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Table 1. The Colorado Model Content Standards and Subcontent Areas

Reading		
Content Standards		
CS	Grades	
1	3-10	Reading Comprehension
4	4-10	Thinking Skills
5	4-10	Use of Literary Information
6	4-10	Literature
Subcontent Areas		
SA	Grades	
1	7-10	Fiction
2	3-10	Nonfiction
3	3-10	Vocabulary
4	7-10	Poetry
1/4	3-6	Fiction and Poetry
Writing		
Content Standards		
CS	Grades	
2	3-10	Write for a Variety of Purposes
3	3-10	Write Using Conventions
Subcontent Areas		
SA	Grades	
5	3-10	Paragraph Writing
6	4-10	Extended Writing
7	3-10	Grammar and Usage
8	3-10	Mechanics
Mathematics		
Content Standards		
CS	Grades	
1	3-6	Number Sense
2	4-10	Algebra, Patterns, and Functions
2/3	3	Algebra, Patterns, and Functions / Statistics and Probability
3	4-10	Statistics and Probability
4/5	3-10	Geometry and Measurement
6	3-6	Computational Techniques
1/6	7-10	Number Sense and Computational Techniques

Table 1. The Colorado Model Content Standards and Subcontent Areas (cont'd)

Mathematics (Continued)		
Subcontent Areas		
SA	Grades	
1	4-6	Number and Operation Sense
1	7	Number Sense
1	8	Linear Pattern Representation
1	9	Multiple Representations of Linear/Nonlinear Functions
1	10	Multiple Representations of Functions
2	4-6	Patterns
2	7	Area and Perimeter Relationships
2	8-9	Proportional Thinking
2	10	Probability and Counting Techniques
3	4	Measurement
3	5	Data Displays
3	6 and 8	Geometry
Science		
Content Standards		
CS	Grades	
1/5	5, 8, and 10	Scientific Investigation and the Nature of Science
2	5, 8, and 10	Physical Science
3	5, 8, and 10	Life Science
4	5, 8, and 10	Earth and Space Science
Subcontent Areas		
SA	Grades	
1	5, 8, and 10	Experimental Design and Investigations
2	5, 8, and 10	Results and Data Analysis
3	8	Physics Concepts
4	10	Chemistry Concepts
5	8 and 10	Life Processes
6	8 and 10	Geology and Astronomy

Table 2. Configuration of 2012 TCAP Assessments

Content Area	Grade	Maximum Possible Points	Total # of Items			Frequency of CR Items with the Given Number of Maximum Points			
			MC	CR	Total	1	2	3	4
Reading	3	52	32	8	40		4	4	
	4 ^{*1}	90	55	14	69		7	7	
	5	91	56	14	70		7	7	
	6	91	56	14	70		7	7	
	7 ^{*2}	90	55	14	69		8	5	1
	8	91	56	14	70		7	7	
	9 ^{*3}	92	54	14	68		4	10	
	10 ^{*4}	94	54	14	68		3	10	1
Writing	3	56	35	18	53	15	3		
	4	69	40	13	53	7	1		5
	5	69	40	13	53	7	1		5
	6	69	40	13	53	7	1		5
	7	69	40	13	53	7	1		5
	8	69	40	13	53	7	1		5
	9	69	40	13	53	7	1		5
	10	69	40	13	53	7	1		5
Mathematics	3	49	32	8	40		7	1	
	4	95	54	15	69		7	5	3
	5	96	54	15	69		6	6	3
	6	87	45	15	60		6	6	3
	7	87	45	15	60		6	6	3
	8 ^{*5}	86	44	15	59		6	6	3
	9	87	45	15	60		6	6	3
	10	87	45	15	60		6	6	3
Science	5	88	57	18	75	5	13		
	8	99	60	23	83	10	11	1	1
	10 ^{*6}	99	59	23	82	9	12	1	1
Reading Spanish	3	52	32	8	40		4	4	
	4	91	56	14	70		7	7	
Writing Spanish	3	56	35	18	53	15	3		
	4	69	40	13	53	7	1		5

*Content area in which item(s) were removed from calibration. Count shown in this table does not include removed items.

1. 1 MC item removed
2. 1 MC item removed
3. 2 MC items removed
4. 2 MC items removed
5. 1 MC item removed
6. 1 MC item removed

Table 3. Configuration of 2012 TCAP Reading Assessments by Grade, Content Standard, Subcontent Area, and Item Type

Grade	Content Area	Item Type	Content Standard								Subcontent Area									
			1		4		5		6		1		1/4		2		3		4	
			No. of Items	Total Pts.	No. of Items	Total Pts.	No. of Items	Total Pts.	No. of Items	Total Pts.	No. of Items	Total Pts.	No. of Items	Total Pts.	No. of Items	Total Pts.	No. of Items	Total Pts.	No. of Items	Total Pts.
3	Reading	MC	32	32									9	9	13	13	10	10		
		CR	8	20									5	13	3	7				
4	Reading ^{*1}	MC	22	22	10	10	13	13	10	10			15	15	15	15	12	12		
		CR	6	15	3	8	2	5	3	7			7	17	5	13				
5	Reading	MC	21	21	13	13	15	15	7	7			18	18	13	13	10	10		
		CR	4	10	3	7	2	5	5	13			7	17	5	13				
6	Reading	MC	26	26	7	7	16	16	7	7			21	21	9	9	10	10		
		CR	2	5	5	13	2	4	5	13			8	21	4	10				
7	Reading ^{*2}	MC	16	16	11	11	12	12	16	16	11	11			12	12	9	9	11	11
		CR	6	14	4	9	3	8	1	4	4	10			5	10			2	7
8	Reading	MC	20	20	13	13	12	12	11	11	12	12			10	10	12	12	10	10
		CR	5	11	3	8	3	7	3	9	3	7			6	15			2	6
9	Reading ^{*3}	MC	20	20	11	11	14	14	9	9	11	11			9	9	12	12	8	8
		CR	5	12	3	9	2	6	4	11	5	13			6	16			1	3
10	Reading ^{*4}	MC	16	16	16	16	15	15	7	7	11	11			8	8	11	11	9	9
		CR	5	16	1	3	2	6	6	15	6	17			5	14			1	3
3	Spanish Reading	MC	32	32									13	13	7	7	12	12		
		CR	8	20									5	11	3	9				
4	Spanish Reading	MC	27	27	11	11	10	10	8	8			18	18	17	17	11	11		
		CR	4	10	3	7	3	8	4	10			8	20	3	7				

* Content area in which item(s) were removed from the calibration. Counts shown in this table do not include removed items.

1. Removed one MC item from calibration in CS6.b G4 SA 1/4 FP

2. Removed one MC item from calibration in CS1.i G7 SA 3V

3. Removed two MC items from calibration one in CS4.a G9 SA 1F and one in CS5.f G9

4. Removed two MC items from calibration one in CS4.a G10 SA 1F and one in CS4.e G10 SA 2F

Table 4. Configuration of 2012 TCAP Writing Assessments by Grade, Content Standard, Subcontent Area, and Item Type

Grade	Content Area	Item Type	Content Standard				Subcontent Area							
			2		3		5		6		7		8	
			No. of Items	Total Pts.	No. of Items	Total Pts.	No. of Items	Total Pts.	No. of Items	Total Pts.	No. of Items	Total Pts.	No. of Items	Total Pts.
3	Writing	MC	12	12	23	23	7	7			15	15	8	8
		CR	9	12	9	9	12	15			3	3	3	3
4	Writing	MC	15	15	25	25	9	9			16	16	9	9
		CR	6	21	7	8	3	12	4	11	3	3	3	3
5	Writing	MC	15	15	25	25	8	8			16	16	14	14
		CR	6	21	7	8	3	12	4	11	3	3	3	3
6	Writing	MC	15	15	25	25	10	10			23	23	7	7
		CR	6	21	7	8	3	12	4	11	2	2	4	4
7	Writing	MC	15	15	25	25	10	10			21	21	7	7
		CR	6	21	7	8	3	12	4	11	3	3	3	3
8	Writing	MC	15	15	25	25	6	6			20	20	8	8
		CR	6	21	7	8	3	12	4	11	2	2	4	4
9	Writing	MC	15	15	25	25	12	12			19	19	7	7
		CR	6	21	7	8	3	12	4	11	3	3	3	3
10	Writing	MC	15	15	25	25	11	11			24	24	4	4
		CR	6	21	7	8	3	12	4	11	2	2	4	4
3	Spanish Writing	MC	12	12	23	23					17	17	7	7
		CR	9	12	9	9	12	15			3	3	3	3
4	Spanish Writing	MC	13	13	27	27	6	6			15	15	12	12
		CR	6	21	7	8	3	12	4	11	4	4	2	2

Table 5. Configuration of 2012 TCAP Mathematics Assessments by Grade, Content Standard, Subcontent Area, and Item Type

Grade		Content Area	Item Type	Content Standard												Subcontent Area							
				1		1/6		2		2/3		3		4/5		6		1		2		3	
				No. of Items	Total Pts.	No. of Items	Total Pts.	No. of Items	Total Pts.	No. of Items	Total Pts.	No. of Items	Total Pts.	No. of Items	Total Pts.	No. of Items	Total Pts.	No. of Items	Total Pts.	No. of Items	Total Pts.	No. of Items	Total Pts.
3	Mathematics	MC	6	6					9	9			12	12	5	5							
		CR	2	4					2	4			2	4	2	5							
4	Mathematics	MC	10	10			6	6			9	9	17	17	12	12	7	7	5	5	6	6	
		CR	4	10			3	8			2	5	4	11	2	7	5	14	3	8	1	2	
5	Mathematics	MC	14	14			8	8			7	7	11	11	14	14	12	12	4	4	2	2	
		CR	2	5			4	11			4	12	3	9	2	5	1	3	4	11	3	9	
6	Mathematics	MC	10	10			7	7			7	7	12	12	9	9	5	5	5	5	5	5	
		CR	2	7			3	10			4	11	4	10	2	4	4	11	3	10	3	7	
7	Mathematics	MC			15	15	9	9			9	9	12	12			5	5	3	3			
		CR			4	11	3	8			3	9	5	14			2	6	5	14			
8	Mathematics ^{*1}	MC			10	10	11	11			9	9	14	14			6	6	4	4	5	5	
		CR			4	11	4	11			3	8	4	12			4	10	2	6	3	10	
9	Mathematics	MC			10	10	12	12			12	12	11	11			4	4	6	6			
		CR			3	7	5	14			3	9	4	12			4	12	3	8			
10	Mathematics	MC			12	12	12	12			11	11	10	10			8	8	2	2			
		CR			2	5	5	14			4	11	4	12			7	22	1	2			

* Content area in which item(s) were removed from the calibration. Counts shown in this table do not include removed items.

1. Removed one MC item from calibration in CS 1/6

Table 6. Configuration of 2012 TCAP Science Assessments by Grade, Content Standard, Subcontent Area, and Item Type

Grade	Content Area	Item Type	Content Standard								Subcontent Area											
			1/5		2		3		4		1		2		3		4		5		6	
			No. of Items	Total Pts.	No. of Items	Total Pts.	No. of Items	Total Pts.	No. of Items	Total Pts.	No. of Items	Total Pts.	No. of Items	Total Pts.	No. of Items	Total Pts.	No. of Items	Total Pts.	No. of Items	Total Pts.	No. of Items	Total Pts.
5	Science	MC	20	20	12	12	12	12	13	13	12	12	4	4								
		CR	10	15	3	6	3	6	2	4	6	9	3	5								
8	Science	MC	23	23	13	13	12	12	12	12	8	8	13	13	9	9			6	6	8	8
		CR	11	20	4	6	5	9	3	4	7	11	4	9	3	4					3	4
10	Science ^{*1}	MC	21	21	12	12	14	14	12	12	6	6	4	4			7	7	6	6	10	10
		CR	12	22	5	8	3	5	3	5	7	13	5	9			1	2			2	3

* Content area in which item(s) were removed from the calibration. Counts shown in this table do not include removed items.

1. Removed one MC item from calibration in CS 4

Table 7. Percentage of Items in Depth of Knowledge Levels

Content Area		Grade		DOK Level						Number of Items in Test
				1		2		3		
				MC	CR	MC	CR	MC	CR	
Reading	3	38%	0%	43%	13%	0%	8%	40		
	4	26%	0%	51%	9%	3%	12%	69		
	5	16%	0%	59%	11%	6%	9%	70		
	6	20%	3%	56%	6%	4%	11%	70		
	7	16%	0%	49%	10%	14%	10%	69		
	8	7%	3%	61%	10%	11%	7%	70		
	9	16%	0%	50%	4%	13%	16%	68		
	10	10%	0%	53%	6%	16%	15%	68		
Writing	3	43%	11%	21%	0%	2%	23%	53		
	4	51%	11%	23%	0%	2%	13%	53		
	5	42%	11%	28%	0%	6%	13%	53		
	6	38%	11%	32%	0%	6%	13%	53		
	7	36%	11%	26%	0%	13%	13%	53		
	8	36%	11%	34%	0%	6%	13%	53		
	9	30%	11%	34%	0%	11%	13%	53		
	10	30%	11%	32%	0%	13%	13%	53		
Mathematics	3	33%	0%	45%	18%	3%	3%	40		
	4	32%	0%	45%	14%	1%	7%	69		
	5	28%	0%	49%	9%	1%	13%	69		
	6	15%	0%	60%	12%	0%	13%	60		
	7	10%	0%	62%	12%	3%	13%	60		
	8	12%	0%	59%	12%	3%	14%	59		
	9	18%	0%	52%	18%	5%	7%	60		
	10	18%	0%	50%	15%	7%	10%	60		
Science	5	24%	3%	45%	13%	7%	8%	75		
	8	18%	1%	47%	16%	7%	11%	83		
	10	13%	0%	48%	15%	11%	13%	82		
Spanish	3	0%	0%	80%	20%	0%	0%	40		
Reading	4	33%	1%	39%	16%	9%	1%	70		
Spanish	3	66%	17%	0%	17%	0%	0%	53		
Writing	4	64%	13%	11%	9%	0%	2%	53		

Table 8. Percentage of Score Points in Depth of Knowledge Levels

Content Area		Grade		DOK Level						Total Number of Points in Test
				1		2		3		
				MC	CR	MC	CR	MC	CR	
Reading	3	29%	0%	33%	25%	0%	13%	52		
	4	20%	0%	39%	16%	2%	23%	90		
	5	12%	0%	45%	22%	4%	16%	91		
	6	15%	7%	43%	9%	3%	23%	91		
	7	12%	0%	38%	19%	11%	20%	90		
	8	5%	4%	47%	19%	9%	15%	91		
	9	12%	0%	37%	9%	10%	33%	92		
	10	7%	0%	38%	14%	12%	29%	94		
Writing	3	41%	11%	20%	0%	2%	27%	56		
	4	39%	9%	17%	0%	1%	33%	69		
	5	32%	9%	22%	0%	4%	33%	69		
	6	29%	9%	25%	0%	4%	33%	69		
	7	28%	9%	20%	0%	10%	33%	69		
	8	28%	9%	26%	0%	4%	33%	69		
	9	23%	9%	26%	0%	9%	33%	69		
	10	23%	9%	25%	0%	10%	33%	69		
Mathematics	3	27%	0%	37%	31%	2%	4%	49		
	4	23%	0%	33%	27%	1%	16%	95		
	5	20%	0%	35%	15%	1%	29%	96		
	6	10%	0%	41%	21%	0%	28%	87		
	7	7%	0%	43%	18%	2%	30%	87		
	8	8%	0%	41%	17%	2%	31%	86		
	9	13%	0%	36%	33%	3%	15%	87		
	10	13%	0%	34%	25%	5%	23%	87		
Science	5	20%	2%	39%	19%	6%	14%	88		
	8	15%	1%	39%	19%	6%	19%	99		
	10	11%	0%	39%	19%	9%	21%	99		
Spanish Reading	3	0%	0%	62%	39%	0%	0%	52		
	4	25%	2%	30%	34%	7%	2%	91		
Spanish Writing	3	63%	16%	0%	21%	0%	0%	56		
	4	49%	12%	9%	29%	0%	1%	69		

Table 9. Previously Administered Items Selected for 2012 Test Forms that were Flagged for DIF or Fit

Language	Content Area	Grade	Item Type	2012 Item	2012 Anchor	Year Flagged	DIF Flag*	Fit Flag*
English	Reading	4	CR	44		2011	E	0
English	Reading	4	CR	108		2010	0	1
English	Reading	4	CR	109		2010	0	1
English	Reading	5	CR	14		2011	E	0
English	Reading	5	CR	40		2010	0	1
English	Reading	5	SR	94		2009	0	1
English	Reading	5	SR	102		2009	0	1
English	Reading	6	CR	11		2011	E	0
English	Reading	6	CR	32		2009	0	1
English	Reading	6	CR	47		2011	E	0
English	Reading	7	CR	20		2011	E	0
English	Reading	7	CR	25		2011	E,G	0
English	Reading	8	CR	10		2011	E	0
English	Reading	8	CR	20		2010	E	0
English	Reading	8	CR	30		2011	E,G	0
English	Reading	8	SR	47		2010	0	1
English	Reading	8	SR	49		2010	G	0
English	Reading	8	CR	54		2010	E	0
English	Reading	9	SR	6	Yes	2010	E	0
English	Reading	9	CR	13		2011	E	0
English	Reading	9	CR	24		2011	E	0
English	Reading	9	CR	27		2011	E,G	0
English	Reading	9	MC	95	Yes	2011	E	1
English	Reading	9	CR	112		2010	E	0
English	Reading	9	CR	115		2010	E	0
English	Reading	10	CR	13		2011	E,G	0
English	Reading	10	CR	30		2010	E	0
English	Reading	10	CR	31		2010	E	0
English	Reading	10	SR	32	Yes	2010	0	1
English	Reading	10	MC	46		2011	E	0
English	Reading	10	CR	51		2011	E	0
English	Reading	10	SR	97	Yes	2011	0	1
English	Reading	10	CR	101		2011	E	0
English	Reading	10	CR	104		2010	E	0
English	Writing	4	ECR	3A		2010	0	1
English	Writing	4	SCR	92		2010	G	0
English	Writing	4	SCR	116		2010	0	1
English	Writing	5	ECR	3A		2010	0	1
English	Writing	5	SCR	93		2010	0	1
English	Writing	6	MC	65		2009	G	0

* 0=No Flag; E=Flagged for Ethnicity; G=Flagged for Gender; 1=Flagged for Fit

Table 9. Previously Administered Items Selected for 2012 Test Forms that were Flagged for DIF or Fit (cont'd)

Language	Content Area	Grade	Item Type	2012 Item	2012 Anchor	Year Flagged	DIF Flag*	Fit Flag*
English	Writing	6	SCR	73		2010	E	1
English	Writing	6	MC	82		2009	0	1
English	Writing	6	SCR	94		2010	G	1
English	Writing	7	CR	2F		2010	0	1
English	Writing	8	ECR	3A		2010	0	1
English	Writing	8	SCR	98		2011	G	0
English	Writing	9	ECR	3A		2011	E	0
English	Writing	9	ECR	3B		2011	E	0
English	Writing	9	SCR	72		2010	E,G	0
English	Writing	9	SCR	94		2011	0	1
English	Writing	10	ECR	3A		2011	0	1
English	Writing	10	ECR	3B		2011	0	1
English	Writing	10	MC	67		2010	E	0
English	Writing	10	SCR	71		2010	E,G	0
English	Writing	10	SCR	116		2011	E	1
English	Mathematics	3	MC	5		2011	E	0
English	Mathematics	5	CR	26		2010	E	0
English	Mathematics	5	CR	59		2010	0	1
English	Mathematics	6	CR	17		2011	0	1
English	Mathematics	6	CR	40		2011	0	1
English	Mathematics	7	CR	11		2011	0	1
English	Mathematics	7	MC	36		2011	0	1
English	Mathematics	8	CR	30		2009	E	0
English	Mathematics	8	CR	40		2011	E	0
English	Mathematics	8	MC	47		2011	0	1
English	Mathematics	8	CR	48		2010	E	1
English	Mathematics	8	CR	60		2011	0	1
English	Mathematics	9	MC	7		2011	E	0
English	Mathematics	10	MC	7		2011	0	1
English	Mathematics	10	MC	16	Yes	2011	E	0
English	Mathematics	10	CR	17		2010	0	1
English	Mathematics	10	MC	51		2011	0	1
English	Mathematics	10	MC	57		2011	0	1
English	Mathematics	10	CR	60		2011	0	1
English	Science	8	MC	24		2010	G,E	0
English	Science	8	MC	59		2011	G	0
English	Science	10	CR	21		2010	G,E	0
English	Science	10	CR	22		2010	E	0
English	Science	10	CR	24		2010	E	0
English	Science	10	CR	32		2009	0	1
English	Science	10	CR	40		2011	E	0

* 0=No Flag; E=Flagged for Ethnicity; G=Flagged for Gender; 1=Flagged for Fit

Table 9. Previously Administered Items Selected for 2012 Test Forms that were Flagged for DIF or Fit (cont'd)

Language	Content Area	Grade	Item Type	2012 Item	2012 Anchor	Year Flagged	DIF Flag*	Fit Flag*
Spanish	Reading	3	CR	1		2007, 2008	0	1
Spanish	Reading	3	MC	7	yes	2004	0	1
Spanish	Reading	3	MC	14		2007	0	1
Spanish	Reading	3	MC	20	yes	2007	0	1
Spanish	Reading	3	MC	24	yes	2008	0	1
Spanish	Reading	3	CR	26		2002, 2003, 2006	0	1
Spanish	Reading	3	CR	32		2008	0	1
Spanish	Reading	3	CR	36		2008	0	1
Spanish	Reading	4	MC	15	yes	2005	0	1
Spanish	Reading	4	MC	19	yes	2008	0	1
Spanish	Reading	4	MC	21	yes	2008	0	1
Spanish	Reading	4	MC	23	yes	2004	0	1
Spanish	Reading	4	MC	26		2003, 2008	0	1
Spanish	Reading	4	MC	28	yes	2005, 2007	0	1
Spanish	Reading	4	MC	32		2008	0	1
Spanish	Reading	4	MC	38		2008	0	1
Spanish	Reading	4	MC	40		2008	0	1
Spanish	Reading	4	CR	42		2008	0	1
Spanish	Reading	4	CR	44		2004, 2008	0	1
Spanish	Reading	4	MC	46		2008	0	1
Spanish	Reading	4	MC	48		2004	0	1
Spanish	Reading	4	MC	92		2003, 2004	0	1
Spanish	Reading	4	MC	93	yes	2008	0	1
Spanish	Reading	4	MC	94		2003	0	1
Spanish	Reading	4	MC	95	yes	2008	0	1
Spanish	Reading	4	MC	102		2008	0	1
Spanish	Reading	4	MC	103		2008	0	1
Spanish	Reading	4	MC	107	yes	2005	0	1
Spanish	Reading	4	MC	110		2008	0	1
Spanish	Reading	4	MC	111		2008	0	1
Spanish	Reading	4	MC	113		2004	0	1
Spanish	Reading	4	MC	114		2008	0	1
Spanish	Writing	3	MC	6		2008	0	1
Spanish	Writing	3	CR	27A		2007	0	1
Spanish	Writing	3	MC	34		2004	0	1

* 0=No Flag; E=Flagged for Ethnicity; G=Flagged for Gender; 1=Flagged for Fit

Table 9. Previously Administered Items Selected for 2012 Test Forms that were Flagged for DIF or Fit (cont'd)

Language	Content Area	Grade	Item Type	2012 Item	2012 Anchor	Year Flagged	DIF Flag*	Fit Flag*
Spanish	Writing	4	CR	2F		2008	0	1
Spanish	Writing	4	CR	3A		2005	0	1
Spanish	Writing	4	MC	52	yes	2005	0	1
Spanish	Writing	4	MC	55	yes	2005	0	1
Spanish	Writing	4	MC	57		2008	0	1
Spanish	Writing	4	MC	58		2008	0	1
Spanish	Writing	4	MC	60		2008	0	1
Spanish	Writing	4	MC	61		2005	0	1
Spanish	Writing	4	MC	65	yes	2005	G	0
Spanish	Writing	4	MC	71	yes	2004	0	1
Spanish	Writing	4	MC	74		2004, 2008	0	1
Spanish	Writing	4	MC	75		2008	0	1
Spanish	Writing	4	MC	76		2005, 2008	0	1
Spanish	Writing	4	MC	79		2004, 2008	0	1
Spanish	Writing	4	MC	83		2008	0	1
Spanish	Writing	4	MC	85		2004	0	1
Spanish	Writing	4	MC	87		2008	0	1
Spanish	Writing	4	MC	89		2008	0	1

* 0=No Flag; E=Flagged for Ethnicity; G=Flagged for Gender; 1=Flagged for Fit

Table 10. Lowest and Highest Obtainable Scale Scores for the TCAP Assessments

Content Area	Grade	LOSS	HOSS
Reading	3	150	795
	4	180	940
	5	220	955
	6	260	970
	7	300	980
	8	330	990
	9	350	995
	10	370	999
Writing	3	150	680
	4	190	730
	5	220	780
	6	230	840
	7	240	890
	8	250	910
	9	260	930
	10	270	950
Mathematics	3	150	700
	4	180	780
	5	220	800
	6	240	830
	7	280	860
	8	310	890
	9	340	920
	10	370	950
Science	5	300	900
	8	300	900
	10	300	900
Reading Spanish	3	300	740
	4	300	790
Writing Spanish	3	250	750
	4	300	790

Table 11. Rater Reliability Statistics – Reading

Grade	Item	N	Max Score	Mean		SD		Weighted Kappa	Agreement		
				Rater 1	Rater 2	Rater 1	Rater 2		Exact	Adjacent	Exact + Adjacent
3	5	3164	3	1.61	1.62	0.78	0.77	0.68	70.39	27.37	97.76
3	15	3150	2	1.23	1.22	0.83	0.83	0.89	88.73	10.96	99.69
3	17	3139	2	1.31	1.30	0.84	0.85	0.77	78.53	19.17	97.70
3	20	3148	3	1.31	1.31	0.85	0.85	0.69	68.53	29.37	97.90
3	23	3141	3	0.83	0.82	0.85	0.86	0.73	72.25	26.22	98.47
3	27	3129	2	0.79	0.80	0.69	0.68	0.68	74.66	24.86	99.52
3	32	3128	3	1.26	1.26	0.84	0.83	0.69	72.42	25.59	98.01
3	39	3093	2	1.09	1.08	0.78	0.79	0.72	75.89	23.07	98.96
4	6	3150	2	1.23	1.22	0.83	0.83	0.89	88.73	10.96	99.69
4	8	3139	2	1.31	1.30	0.84	0.85	0.77	78.53	19.17	97.70
4	18	3079	2	0.95	0.96	0.73	0.73	0.73	77.59	21.83	99.42
4	23	3087	3	1.67	1.68	1.12	1.12	0.79	68.76	27.89	96.65
4	25	3062	3	1.34	1.35	0.88	0.87	0.71	72.76	25.96	98.72
4	29	3105	3	1.25	1.24	0.86	0.86	0.74	71.31	27.37	98.68
4	34	3091	2	0.74	0.74	0.59	0.59	0.79	90.28	9.59	99.87
4	44	3097	3	1.66	1.65	0.93	0.93	0.73	65.88	32.21	98.09
4	47	3087	3	1.29	1.28	0.85	0.85	0.67	65.16	32.86	98.02
4	94	3110	2	1.58	1.59	0.66	0.66	0.82	88.52	11.10	99.62
4	95	3092	2	1.26	1.25	0.64	0.64	0.75	84.03	15.61	99.64
4	108	3050	2	1.37	1.37	0.81	0.81	0.90	97.01	2.99	100.00
4	109	3068	3	1.41	1.40	0.87	0.87	0.73	73.87	24.99	98.86
4	111	3128	3	1.26	1.26	0.84	0.83	0.69	72.42	25.59	98.01
5	4	3112	2	0.57	0.57	0.74	0.73	0.84	87.17	12.31	99.48
5	6	3083	3	1.17	1.17	0.90	0.90	0.78	80.69	17.78	98.47
5	14	3048	3	1.07	1.08	0.97	0.98	0.73	68.89	29.31	98.20
5	21	3079	2	0.95	0.96	0.73	0.73	0.73	77.59	21.83	99.42
5	29	3109	3	1.62	1.60	0.86	0.87	0.74	69.54	29.59	99.13
5	38	3097	3	1.28	1.28	0.84	0.84	0.71	71.69	26.60	98.29
5	39	3113	3	1.42	1.44	1.10	1.09	0.85	75.84	23.07	98.91
5	40	3102	3	1.14	1.14	0.92	0.92	0.75	70.89	27.11	98.00
5	47	3049	2	0.79	0.78	0.70	0.70	0.72	81.03	18.51	99.54
5	51	3036	2	0.91	0.90	0.79	0.79	0.68	74.10	23.66	97.76
5	96	3084	2	0.72	0.73	0.63	0.63	0.66	77.44	22.34	99.78
5	100	3110	2	1.58	1.59	0.66	0.66	0.82	88.52	11.10	99.62
5	101	3092	2	1.26	1.25	0.64	0.64	0.75	84.03	15.61	99.64
5	113	3075	3	0.81	0.82	0.85	0.85	0.70	77.95	18.54	96.49

Table 11. Rater Reliability Statistics – Reading (cont'd)

Grade	Item	N	Max Score	Mean		SD		Weighted Kappa	Agreement		
				Rater 1	Rater 2	Rater 1	Rater 2		Exact	Adjacent	Exact + Adjacent
6	4	3112	2	0.57	0.57	0.74	0.73	0.84	87.17	12.31	99.48
6	6	3083	3	1.17	1.17	0.90	0.90	0.78	80.69	17.78	98.47
6	11	3081	3	1.37	1.38	1.15	1.16	0.79	77.28	17.36	94.64
6	12	3087	3	2.14	2.15	1.12	1.12	0.89	84.39	14.90	99.29
6	18	3060	2	1.14	1.14	0.75	0.76	0.65	68.35	29.86	98.21
6	23	3023	2	0.87	0.87	0.82	0.82	0.65	68.66	28.03	96.69
6	28	3063	3	1.35	1.37	0.98	0.98	0.74	74.92	20.54	95.46
6	32	3059	3	1.37	1.37	1.04	1.03	0.73	72.26	22.54	94.80
6	46	3010	2	1.55	1.55	0.66	0.67	0.79	91.63	7.91	99.54
6	47	2946	2	0.80	0.80	0.80	0.81	0.77	87.59	11.90	99.49
6	99	3078	3	1.29	1.30	0.81	0.81	0.70	72.66	25.52	98.18
6	103	3075	3	0.81	0.82	0.85	0.85	0.70	77.95	18.54	96.49
6	106	3035	2	0.81	0.80	0.80	0.81	0.69	71.89	26.17	98.06
6	107	3053	2	0.93	0.93	0.54	0.53	0.61	80.25	19.62	99.87
7	8	3063	3	1.35	1.37	0.98	0.98	0.74	74.92	20.54	95.46
7	13	2980	3	2.07	2.08	1.13	1.12	0.85	81.64	16.31	97.95
7	14	2986	2	1.61	1.63	0.64	0.62	0.65	79.45	18.84	98.29
7	19	2934	2	1.58	1.57	0.71	0.71	0.64	78.12	18.84	96.96
7	20	2972	3	1.76	1.75	0.91	0.91	0.75	71.52	27.16	98.68
7	25	2934	4	1.39	1.37	0.89	0.90	0.64	75.72	19.77	95.49
7	32	2952	2	0.91	0.92	0.79	0.78	0.76	81.99	16.17	98.16
7	42	2967	3	2.10	2.12	1.05	1.04	0.82	82.63	15.11	97.74
7	44	2926	2	0.69	0.69	0.61	0.62	0.58	74.88	24.23	99.11
7	47	2929	2	1.13	1.13	0.68	0.68	0.57	68.95	29.54	98.49
7	97	2908	3	1.74	1.75	1.04	1.05	0.74	75.63	21.20	96.83
7	106	2940	2	1.11	1.12	0.71	0.72	0.81	88.73	11.06	99.79
7	110	3035	2	0.81	0.80	0.80	0.81	0.69	71.89	26.17	98.06
7	111	3053	2	0.93	0.93	0.54	0.53	0.61	80.25	19.62	99.87
8	6	2956	2	1.33	1.36	0.73	0.72	0.56	64.04	33.19	97.23
8	10	2906	3	1.55	1.54	0.88	0.88	0.64	61.47	37.01	98.48
8	19	2872	2	1.39	1.37	0.70	0.70	0.69	82.16	16.72	98.88
8	20	2878	3	1.43	1.43	0.89	0.88	0.60	68.24	27.23	95.47
8	21	2863	2	1.74	1.75	0.54	0.54	0.63	87.00	12.37	99.37
8	30	2679	3	1.27	1.26	0.90	0.90	0.61	76.55	22.40	98.95
8	38	2952	2	0.91	0.92	0.79	0.78	0.76	81.99	16.17	98.16
8	44	2926	2	0.69	0.69	0.61	0.62	0.58	74.88	24.23	99.11
8	46	2929	3	1.25	1.27	0.85	0.86	0.68	71.10	26.31	97.41
8	48	2929	2	1.13	1.13	0.68	0.68	0.57	68.95	29.54	98.49
8	54	2877	3	0.67	0.68	0.83	0.85	0.61	71.46	25.16	96.62
8	102	2932	3	1.21	1.20	0.85	0.85	0.66	69.00	28.82	97.82
8	108	2801	2	1.58	1.56	0.67	0.70	0.65	83.87	14.59	98.46
8	110	2865	3	1.98	1.97	1.06	1.07	0.72	74.09	22.59	96.68

Table 11. Rater Reliability Statistics – Reading (cont'd)

Grade	Item	N	Max Score	Mean		SD		Weighted Kappa	Agreement		
				Rater 1	Rater 2	Rater 1	Rater 2		Exact	Adjacent	Exact + Adjacent
9	4	2878	3	1.43	1.43	0.89	0.88	0.60	68.24	27.23	95.47
9	7	2863	2	1.74	1.75	0.54	0.54	0.63	87.00	12.37	99.37
9	13	2895	2	1.32	1.34	0.57	0.57	0.51	71.70	27.96	99.66
9	19	2754	2	0.18	0.18	0.48	0.49	0.56	90.42	8.75	99.17
9	22	2780	3	1.08	1.09	0.90	0.90	0.60	66.99	30.52	97.51
9	24	2913	2	1.32	1.33	0.59	0.60	0.54	70.71	29.09	99.80
9	27	2858	3	1.37	1.40	0.85	0.85	0.59	62.39	35.82	98.21
9	31	2880	3	2.10	2.08	1.04	1.04	0.74	76.17	21.92	98.09
9	40	2877	3	0.67	0.68	0.83	0.85	0.61	71.46	25.16	96.62
9	96	2845	3	1.47	1.47	0.81	0.80	0.61	68.91	30.00	98.91
9	99	2882	3	1.98	2.00	0.95	0.95	0.68	70.14	27.32	97.46
9	102	2784	3	2.03	2.03	1.17	1.16	0.69	75.42	19.36	94.78
9	112	2855	3	1.35	1.35	0.79	0.79	0.57	63.73	34.90	98.63
9	115	2857	3	1.52	1.54	0.89	0.89	0.64	68.76	29.49	98.25
10	7	2754	2	0.18	0.18	0.48	0.49	0.56	90.42	8.75	99.17
10	11	2780	3	1.08	1.09	0.90	0.90	0.60	66.99	30.52	97.51
10	13	2729	4	2.72	2.73	1.25	1.23	0.63	57.17	36.15	93.32
10	21	2723	2	1.37	1.37	0.56	0.55	0.49	73.00	26.89	99.89
10	27	2736	3	1.46	1.47	1.07	1.06	0.66	70.72	23.94	94.66
10	30	2758	3	1.61	1.62	0.88	0.88	0.61	62.75	35.48	98.23
10	31	2721	3	1.39	1.39	0.91	0.92	0.58	60.49	36.34	96.83
10	36	2702	3	1.26	1.29	0.85	0.88	0.50	54.81	39.84	94.65
10	42	2698	3	1.76	1.73	0.99	0.99	0.66	74.91	22.79	97.70
10	47	2611	3	2.16	2.15	0.99	0.99	0.62	74.57	22.52	97.09
10	51	2550	3	1.18	1.19	1.07	1.05	0.56	64.93	28.68	93.61
10	101	2731	2	1.04	1.08	0.82	0.82	0.56	70.02	23.63	93.65
10	104	2855	3	1.35	1.35	0.79	0.79	0.57	63.73	34.90	98.63
10	109	2857	3	1.52	1.54	0.89	0.89	0.64	68.76	29.49	98.25

Table 12. Rater Reliability Statistics – Writing

Grade	Item	N	Max Score	Mean		SD		Weighted Kappa	Agreement		
				Rater 1	Rater 2	Rater 1	Rater 2		Exact	Adjacent	Exact + Adjacent
3	1A	3140	1	0.78	0.78	0.41	0.41	0.94	98.06	1.94	100.00
3	1B	3139	1	0.61	0.60	0.49	0.49	0.94	97.42	2.58	100.00
3	1C	3140	1	0.63	0.63	0.48	0.48	0.93	97.16	2.84	100.00
3	1D	3140	1	0.67	0.67	0.47	0.47	0.93	97.13	2.87	100.00
3	1E	3139	1	0.91	0.91	0.29	0.29	0.87	98.12	1.88	100.00
3	1F	3139	1	0.67	0.67	0.47	0.47	0.94	97.87	2.13	100.00
3	10A	3136	2	1.24	1.23	0.44	0.44	0.43	78.24	21.73	99.97
3	10B	3136	1	0.98	0.98	0.14	0.13	0.37	97.57	2.43	100.00
3	10C	3136	1	0.79	0.80	0.41	0.40	0.51	83.95	16.05	100.00
3	10D	3136	1	0.90	0.91	0.30	0.29	0.47	90.75	9.25	100.00
3	28A	3137	2	1.28	1.28	0.46	0.46	0.41	74.40	25.57	99.97
3	28B	3137	1	0.98	0.98	0.15	0.15	0.41	97.29	2.71	100.00
3	28C	3137	1	0.78	0.78	0.41	0.41	0.47	81.77	18.23	100.00
3	28D	3137	1	0.88	0.88	0.32	0.33	0.44	88.24	11.76	100.00
3	39A	3130	2	1.32	1.32	0.49	0.49	0.42	72.30	27.67	99.97
3	39B	3130	1	0.95	0.96	0.21	0.20	0.40	94.79	5.21	100.00
3	39C	3130	1	0.75	0.76	0.43	0.43	0.55	83.64	16.36	100.00
3	39D	3130	1	0.89	0.89	0.32	0.32	0.45	89.01	10.99	100.00
4	1	3139	1	0.99	0.99	0.12	0.12	0.88	99.68	0.32	100.00
4	2A	3120	1	0.76	0.75	0.43	0.43	0.86	95.38	4.62	100.00
4	2B	3120	1	0.79	0.79	0.41	0.40	0.93	98.21	1.79	100.00
4	2C	3119	1	0.47	0.46	0.50	0.50	0.92	96.66	3.34	100.00
4	2D	3119	1	0.66	0.66	0.47	0.47	0.94	97.98	2.02	100.00
4	2E	3120	1	0.41	0.41	0.49	0.49	0.93	97.27	2.73	100.00
4	2F	3120	1	0.84	0.84	0.37	0.37	0.91	98.08	1.92	100.00
4	3A	3121	4	2.59	2.57	0.88	0.88	0.67	60.40	37.07	97.47
4	3B	3121	4	2.53	2.52	0.86	0.86	0.63	57.35	39.73	97.08
4	3C	3121	2	1.88	1.87	0.36	0.37	0.58	89.62	10.25	99.87
4	69	3095	4	2.68	2.67	0.77	0.77	0.66	72.23	27.26	99.49
4	92	2982	4	2.42	2.42	0.77	0.79	0.58	71.73	27.93	99.66
4	116	3061	4	2.47	2.48	0.80	0.82	0.63	69.49	29.56	99.05
5	1	3145	1	0.99	0.99	0.12	0.11	0.89	99.71	0.29	100.00
5	2A	3130	1	0.78	0.78	0.41	0.41	0.90	96.87	3.13	100.00
5	2B	3130	1	0.90	0.90	0.30	0.30	0.91	98.79	1.21	100.00
5	2C	3128	1	0.97	0.97	0.16	0.16	0.69	98.69	1.31	100.00
5	2D	3129	1	0.60	0.60	0.49	0.49	0.96	98.43	1.57	100.00
5	2E	3129	1	0.46	0.46	0.50	0.50	0.94	97.44	2.56	100.00
5	2F	3127	1	0.72	0.72	0.45	0.45	0.95	98.46	1.54	100.00
5	3A	3131	4	2.66	2.66	0.88	0.88	0.64	58.31	38.27	96.58
5	3B	3131	4	2.65	2.65	0.86	0.86	0.61	55.78	40.54	96.32
5	3C	3131	2	1.90	1.89	0.33	0.33	0.49	89.55	10.22	99.77
5	69	3104	4	2.82	2.82	0.74	0.75	0.66	70.32	29.42	99.74
5	93	3061	4	2.47	2.48	0.80	0.82	0.63	69.49	29.56	99.05
5	116	3081	4	2.73	2.72	0.81	0.82	0.65	69.01	30.41	99.42

Table 12. Rater Reliability Statistics – Writing (cont'd)

Grade	Item	N	Max Score	Mean		SD		Weighted Kappa	Agreement		
				Rater 1	Rater 2	Rater 1	Rater 2		Exact	Adjacent	Exact + Adjacent
6	1	3120	1	0.99	0.99	0.11	0.11	0.95	99.87	0.13	100.00
6	2A	3104	1	0.15	0.16	0.36	0.36	0.94	99.07	0.93	100.00
6	2B	3103	1	0.68	0.68	0.47	0.47	0.94	97.90	2.10	100.00
6	2C	3103	1	0.75	0.75	0.43	0.43	0.93	97.94	2.06	100.00
6	2D	3102	1	0.38	0.38	0.48	0.49	0.91	96.26	3.74	100.00
6	2E	3103	1	0.59	0.59	0.49	0.49	0.96	98.77	1.23	100.00
6	2F	3103	1	0.09	0.09	0.29	0.28	0.90	98.77	1.23	100.00
6	3A	3100	4	3.07	3.07	0.83	0.83	0.62	61.55	36.19	97.74
6	3B	3100	4	2.99	2.99	0.87	0.87	0.65	59.77	37.52	97.29
6	3C	3100	2	1.91	1.91	0.32	0.32	0.53	91.10	8.74	99.84
6	73	3066	4	2.85	2.86	0.75	0.76	0.63	68.09	31.45	99.54
6	94	3081	4	2.73	2.72	0.81	0.82	0.65	69.01	30.41	99.42
6	116	3075	4	2.76	2.74	0.84	0.85	0.68	68.54	30.58	99.12
7	1	3028	1	0.99	0.99	0.11	0.12	0.92	99.80	0.20	100.00
7	2A	3013	1	0.93	0.92	0.26	0.27	0.87	98.64	1.36	100.00
7	2B	3013	1	0.87	0.86	0.34	0.34	0.85	96.81	3.19	100.00
7	2C	3013	1	0.45	0.45	0.50	0.50	0.92	96.55	3.45	100.00
7	2D	3012	1	0.21	0.21	0.41	0.41	0.94	98.37	1.63	100.00
7	2E	3011	1	0.91	0.91	0.29	0.29	0.84	97.81	2.19	100.00
7	2F	3012	1	0.44	0.44	0.50	0.50	0.96	98.51	1.49	100.00
7	3A	3013	4	2.17	2.18	1.10	1.10	0.80	65.60	31.94	97.54
7	3B	3012	4	2.45	2.46	0.80	0.79	0.64	62.78	35.23	98.01
7	3C	3012	2	1.87	1.87	0.34	0.35	0.49	88.15	11.82	99.97
7	70	2972	4	2.56	2.56	0.71	0.70	0.63	73.18	26.58	99.76
7	93	3066	4	2.85	2.86	0.75	0.76	0.63	68.09	31.45	99.54
7	116	2975	4	2.51	2.51	0.70	0.72	0.64	74.53	25.24	99.77
8	1	3011	1	0.99	0.99	0.11	0.11	0.96	99.90	0.10	100.00
8	2A	2991	1	0.79	0.80	0.40	0.40	0.87	96.42	3.58	100.00
8	2B	2991	1	0.83	0.83	0.38	0.38	0.85	96.12	3.88	100.00
8	2C	2991	1	0.69	0.69	0.46	0.46	0.97	99.20	0.80	100.00
8	2D	2991	1	0.77	0.77	0.42	0.42	0.92	97.79	2.21	100.00
8	2E	2991	1	0.63	0.64	0.48	0.48	0.92	96.76	3.24	100.00
8	2F	2991	1	0.62	0.62	0.49	0.49	0.91	96.32	3.68	100.00
8	3A	2987	4	2.61	2.63	0.82	0.82	0.60	59.54	37.78	97.32
8	3B	2987	4	2.64	2.66	0.78	0.78	0.59	59.58	38.45	98.03
8	3C	2987	2	1.92	1.93	0.28	0.27	0.42	91.13	8.84	99.97
8	75	2972	4	2.56	2.56	0.71	0.70	0.63	73.18	26.58	99.76
8	98	2891	4	2.50	2.51	0.76	0.74	0.58	72.48	27.13	99.61
8	116	2939	4	2.57	2.58	0.74	0.75	0.65	76.61	23.18	99.79

Table 12. Rater Reliability Statistics – Writing (cont'd)

Grade	Item	N	Max Score	Mean		SD		Weighted Kappa	Agreement		
				Rater 1	Rater 2	Rater 1	Rater 2		Exact	Adjacent	Exact + Adjacent
9	1	3016	1	0.97	0.97	0.16	0.17	0.91	99.54	0.46	100.00
9	2A	2975	1	0.80	0.80	0.40	0.40	0.82	95.09	4.91	100.00
9	2B	2977	1	0.63	0.63	0.48	0.48	0.93	97.82	2.18	100.00
9	2C	2974	1	0.53	0.53	0.50	0.50	0.91	96.97	3.03	100.00
9	2D	2974	1	0.23	0.24	0.42	0.43	0.87	96.53	3.47	100.00
9	2E	2976	1	0.64	0.64	0.48	0.48	0.95	98.96	1.04	100.00
9	2F	2974	1	0.53	0.53	0.50	0.50	0.94	98.49	1.51	100.00
9	3A	2975	4	2.70	2.69	0.78	0.78	0.65	69.39	29.53	98.92
9	3B	2975	4	2.70	2.70	0.76	0.76	0.64	68.38	30.71	99.09
9	3C	2975	2	1.92	1.91	0.29	0.29	0.48	91.39	8.58	99.97
9	72	2903	4	2.71	2.71	0.78	0.78	0.61	73.03	26.46	99.49
9	94	2865	4	2.42	2.42	0.79	0.80	0.60	77.00	22.69	99.69
9	116	2939	4	2.57	2.58	0.74	0.75	0.65	76.61	23.18	99.79
10	1	2930	1	0.95	0.96	0.21	0.21	0.92	99.28	0.72	100.00
10	2A	2855	1	0.67	0.68	0.47	0.47	0.92	99.05	0.95	100.00
10	2B	2855	1	0.69	0.69	0.46	0.46	0.90	98.04	1.96	100.00
10	2C	2855	1	0.76	0.76	0.43	0.43	0.87	97.51	2.49	100.00
10	2D	2854	1	0.78	0.78	0.41	0.41	0.88	98.21	1.79	100.00
10	2E	2849	1	0.38	0.38	0.49	0.48	0.89	97.15	2.85	100.00
10	2F	2853	1	0.82	0.82	0.38	0.38	0.84	97.26	2.74	100.00
10	3A	2850	4	2.69	2.71	0.92	0.93	0.60	55.38	41.84	97.22
10	3B	2849	4	2.67	2.69	0.91	0.92	0.58	53.38	42.79	96.17
10	3C	2849	2	1.79	1.79	0.43	0.42	0.45	80.20	19.73	99.93
10	71	2903	4	2.71	2.71	0.78	0.78	0.61	73.03	26.46	99.49
10	95	2730	4	2.48	2.49	0.79	0.79	0.58	77.14	22.64	99.78
10	116	2746	4	2.62	2.59	0.82	0.81	0.57	74.08	25.30	99.38

Table 13. Rater Reliability Statistics – Mathematics

Grade	Item	N	Max Score	Mean		SD		Weighted Kappa	Agreement		
				Rater 1	Rater 2	Rater 1	Rater 2		Exact	Adjacent	Exact + Adjacent
3	6	3263	2	0.96	0.97	0.63	0.61	0.84	89.43	10.36	99.79
3	9	3257	2	1.08	1.08	0.84	0.84	0.88	88.54	10.41	98.95
3	14	3261	2	1.23	1.23	0.81	0.81	0.91	90.95	8.77	99.72
3	20	3261	2	1.50	1.51	0.69	0.69	0.91	94.08	5.67	99.75
3	25	3257	2	1.06	1.05	0.85	0.86	0.94	93.37	6.54	99.91
3	30	3235	2	0.74	0.75	0.74	0.75	0.91	95.02	4.95	99.97
3	37	3258	2	1.50	1.50	0.66	0.66	0.86	90.18	9.61	99.79
3	40	3261	3	1.94	1.93	0.93	0.93	0.90	87.03	12.63	99.66
4	3	3127	2	1.47	1.47	0.75	0.74	0.94	97.38	2.62	100.00
4	7	3136	3	2.73	2.73	0.56	0.57	0.82	92.92	6.92	99.84
4	14	3133	3	2.21	2.21	0.78	0.79	0.81	83.52	15.87	99.39
4	18	3261	2	1.23	1.23	0.81	0.81	0.91	90.95	8.77	99.72
4	23	3128	4	2.01	2.01	1.19	1.19	0.93	92.04	7.77	99.81
4	27	3135	3	1.93	1.93	1.06	1.06	0.92	89.28	10.14	99.42
4	30	3121	2	0.80	0.80	0.84	0.85	0.89	88.95	10.73	99.68
4	35	3235	2	0.74	0.75	0.74	0.75	0.91	95.02	4.95	99.97
4	41	3261	2	1.50	1.51	0.69	0.69	0.91	94.08	5.67	99.75
4	46	3133	4	2.80	2.82	1.51	1.50	0.90	81.45	14.37	95.82
4	53	3084	2	1.41	1.41	0.84	0.84	0.88	95.04	4.14	99.18
4	58	3127	3	1.72	1.72	1.17	1.17	0.91	85.89	13.02	98.91
4	61	3128	2	1.27	1.26	0.82	0.82	0.90	90.51	9.34	99.85
4	67	3121	3	0.74	0.74	1.02	1.02	0.85	83.85	13.97	97.82
4	69	3136	4	2.23	2.24	1.46	1.45	0.94	89.64	8.96	98.60
5	6	3114	3	2.10	2.09	1.00	1.00	0.88	82.24	16.74	98.98
5	8	3108	2	1.55	1.54	0.72	0.73	0.88	90.09	9.52	99.61
5	11	3100	3	1.22	1.21	1.13	1.15	0.84	71.72	25.79	97.51
5	14	3107	3	1.92	1.93	0.85	0.85	0.78	74.11	25.21	99.32
5	23	3103	4	2.12	2.11	1.11	1.10	0.89	85.78	13.41	99.19
5	26	3121	2	0.80	0.80	0.84	0.85	0.89	88.95	10.73	99.68
5	31	3127	3	1.72	1.72	1.17	1.17	0.91	85.89	13.02	98.91
5	36	3106	2	1.21	1.20	0.76	0.77	0.88	90.37	9.11	99.48
5	43	3105	3	1.00	1.00	1.18	1.18	0.92	87.59	11.41	99.00
5	46	3105	4	2.35	2.35	1.21	1.18	0.82	66.67	30.69	97.36
5	49	3110	2	1.11	1.11	0.93	0.93	0.92	90.12	9.46	99.58
5	54	3103	2	0.96	0.96	0.93	0.93	0.93	91.81	8.02	99.83
5	59	3103	2	1.32	1.32	0.76	0.75	0.85	86.33	13.48	99.81
5	63	3113	3	1.75	1.74	0.96	0.97	0.90	85.74	14.17	99.91
5	69	3136	4	2.23	2.24	1.46	1.45	0.94	89.64	8.96	98.60

Table 13. Rater Reliability Statistics – Mathematics (cont'd)

Grade	Item	N	Max Score	Mean		SD		Weighted Kappa	Agreement		
				Rater 1	Rater 2	Rater 1	Rater 2		Exact	Adjacent	Exact + Adjacent
6	4	3027	2	0.78	0.78	0.69	0.70	0.77	79.68	20.22	99.90
6	11	3020	3	2.39	2.38	0.80	0.79	0.80	82.63	16.57	99.20
6	13	3012	2	0.61	0.62	0.82	0.82	0.86	90.03	8.47	98.50
6	17	2947	3	1.47	1.48	0.99	1.00	0.81	83.80	15.69	99.49
6	20	3016	4	2.53	2.52	1.02	1.02	0.86	83.55	16.08	99.63
6	23	3027	2	1.59	1.60	0.60	0.60	0.84	90.25	9.68	99.93
6	27	3014	3	0.91	0.90	1.02	1.02	0.93	93.39	6.41	99.80
6	33	3021	2	1.24	1.24	0.85	0.85	0.86	92.09	4.40	96.49
6	36	3021	3	2.32	2.30	0.98	0.99	0.85	85.37	11.95	97.32
6	40	3011	4	1.35	1.33	1.02	1.00	0.78	78.52	18.25	96.77
6	46	3020	2	1.34	1.34	0.69	0.70	0.79	82.65	16.99	99.64
6	51	3105	3	1.00	1.00	1.18	1.18	0.92	87.59	11.41	99.00
6	53	3114	3	2.10	2.09	1.00	1.00	0.88	82.24	16.74	98.98
6	57	3110	2	1.11	1.11	0.93	0.93	0.92	90.12	9.46	99.58
6	60	3012	4	2.16	2.17	1.42	1.43	0.90	78.67	19.87	98.54
7	3	3010	2	0.36	0.35	0.60	0.60	0.77	90.53	9.38	99.91
7	6	3077	3	2.00	2.00	0.92	0.92	0.93	92.92	6.76	99.68
7	11	3009	2	0.58	0.58	0.67	0.67	0.81	91.92	7.61	99.53
7	15	3014	3	0.91	0.90	1.02	1.02	0.93	93.39	6.41	99.80
7	20	3003	4	1.29	1.28	1.25	1.25	0.84	89.54	10.00	99.54
7	23	3034	2	0.53	0.54	0.83	0.83	0.90	94.79	4.81	99.60
7	26	3021	3	2.32	2.30	0.98	0.99	0.85	85.37	11.95	97.32
7	30	3021	2	1.24	1.24	0.85	0.85	0.86	92.09	4.40	96.49
7	34	3070	3	1.45	1.44	1.07	1.07	0.95	95.37	4.40	99.77
7	40	3064	4	1.14	1.14	1.56	1.56	0.93	89.88	7.41	97.29
7	43	3016	2	0.64	0.64	0.86	0.86	0.91	96.15	3.82	99.97
7	48	3063	3	2.15	2.17	0.84	0.84	0.89	91.28	8.59	99.87
7	51	3062	2	1.21	1.21	0.66	0.66	0.86	91.28	8.59	99.87
7	56	3053	3	1.12	1.12	0.86	0.86	0.80	81.72	17.27	98.99
7	60	3014	4	1.41	1.41	1.17	1.17	0.80	77.34	21.30	98.64
8	4	3016	2	0.64	0.64	0.86	0.86	0.91	96.15	3.82	99.97
8	9	2964	3	1.50	1.49	0.88	0.87	0.77	78.19	20.36	98.55
8	14	2852	2	0.44	0.44	0.79	0.79	0.79	92.38	6.21	98.59
8	18	2929	3	0.69	0.69	0.84	0.83	0.66	71.54	25.83	97.37
8	20	2802	4	1.06	1.08	1.27	1.28	0.73	79.79	18.32	98.11
8	25	2970	2	0.99	0.99	0.71	0.71	0.88	92.15	7.85	100.00
8	27	3063	3	2.15	2.17	0.84	0.84	0.89	91.28	8.59	99.87
8	30	2944	2	0.92	0.94	0.82	0.83	0.76	78.42	19.74	98.16
8	35	2963	3	1.44	1.44	1.15	1.16	0.84	76.15	21.93	98.08
8	40	2972	4	1.29	1.30	1.31	1.30	0.86	73.65	24.46	98.11
8	44	3010	2	0.36	0.35	0.60	0.60	0.77	90.53	9.38	99.91
8	47	2966	3	1.28	1.27	0.80	0.80	0.78	81.46	17.70	99.16
8	50	2957	2	0.45	0.45	0.70	0.70	0.88	93.94	5.92	99.86
8	53	2953	3	1.73	1.73	1.00	1.00	0.88	90.96	8.71	99.67
8	60	2968	4	2.69	2.70	1.13	1.13	0.85	80.15	18.97	99.12

Table 13. Rater Reliability Statistics – Mathematics (cont'd)

Grade	Item	N	Max Score	Mean		SD		Weighted Kappa	Agreement		
				Rater 1	Rater 2	Rater 1	Rater 2		Exact	Adjacent	Exact + Adjacent
9	2	2970	2	0.99	0.99	0.71	0.71	0.88	92.15	7.85	100.00
9	7	2884	3	1.22	1.21	1.29	1.29	0.85	88.48	9.16	97.64
9	10	2852	2	0.44	0.44	0.79	0.79	0.79	92.38	6.21	98.59
9	14	2923	3	0.64	0.63	0.92	0.91	0.72	81.41	15.06	96.47
9	20	2942	4	1.65	1.65	1.17	1.16	0.76	66.24	30.67	96.91
9	23	2883	2	0.52	0.52	0.75	0.75	0.77	87.28	12.13	99.41
9	28	2913	3	0.60	0.60	0.85	0.85	0.71	76.19	22.81	99.00
9	32	2626	2	0.28	0.28	0.50	0.50	0.56	91.75	8.25	100.00
9	34	2823	3	0.70	0.71	0.87	0.87	0.70	85.49	14.15	99.64
9	40	2921	4	0.90	0.91	1.15	1.15	0.83	90.99	8.26	99.25
9	46	2955	2	0.74	0.74	0.83	0.83	0.92	95.33	4.64	99.97
9	49	2892	3	1.07	1.08	1.24	1.25	0.86	89.62	9.28	98.90
9	51	2922	2	1.23	1.22	0.83	0.83	0.86	90.52	9.31	99.83
9	53	2917	3	0.82	0.83	0.77	0.78	0.57	66.43	29.84	96.27
9	60	2863	4	1.50	1.50	1.42	1.42	0.79	81.88	15.04	96.92
10	4	2626	2	0.28	0.28	0.50	0.50	0.56	91.75	8.25	100.00
10	7	2800	3	0.68	0.68	0.91	0.91	0.75	79.92	19.11	99.03
10	12	2720	2	0.95	0.95	0.81	0.81	0.80	92.57	7.40	99.97
10	17	2791	3	1.05	1.05	1.07	1.06	0.85	93.37	6.02	99.39
10	20	2807	4	2.16	2.19	1.15	1.15	0.74	68.38	28.41	96.79
10	25	2802	2	1.34	1.35	0.67	0.65	0.66	78.14	21.07	99.21
10	29	2796	3	1.17	1.17	0.74	0.74	0.75	91.34	8.52	99.86
10	32	2883	2	0.52	0.52	0.75	0.75	0.77	87.28	12.13	99.41
10	35	2797	3	1.70	1.70	1.01	1.01	0.81	85.12	14.34	99.46
10	40	2768	4	0.89	0.89	0.99	0.97	0.69	76.33	22.55	98.88
10	44	2809	2	0.91	0.91	0.81	0.81	0.89	95.79	4.14	99.93
10	48	2729	3	1.33	1.33	1.18	1.19	0.80	87.79	10.52	98.31
10	52	2714	2	0.65	0.66	0.90	0.90	0.84	96.39	2.99	99.38
10	54	2740	3	1.10	1.09	1.17	1.16	0.81	85.24	14.13	99.37
10	60	2753	4	1.34	1.34	1.40	1.41	0.80	79.46	18.90	98.36

Table 14. Rater Reliability Statistics – Science

Grade	Item	N	Max Score	Mean		SD		Weighted Kappa	Agreement		
				Rater 1	Rater 2	Rater 1	Rater 2		Exact	Adjacent	Exact + Adjacent
5	9	3147	2	0.62	0.64	0.68	0.69	0.79	84.14	15.19	99.33
5	21	3156	1	0.80	0.80	0.40	0.40	0.76	92.55	7.45	100.00
5	22	3138	1	0.52	0.52	0.50	0.50	0.88	94.96	5.04	100.00
5	23	3139	2	1.09	1.10	0.74	0.74	0.87	89.54	10.23	99.77
5	24	3146	2	1.17	1.16	0.75	0.75	0.83	84.55	15.14	99.69
5	25	3138	1	0.66	0.65	0.47	0.48	0.74	88.91	11.09	100.00
5	31	3135	2	1.13	1.12	0.77	0.77	0.75	76.25	22.79	99.04
5	35	3109	2	0.46	0.46	0.64	0.66	0.80	88.32	11.48	99.80
5	38	3137	1	0.60	0.59	0.49	0.49	0.73	87.57	12.43	100.00
5	42	3138	2	1.41	1.39	0.76	0.77	0.79	82.02	16.70	98.72
5	45	3145	2	0.91	0.90	0.73	0.73	0.90	92.97	6.84	99.81
5	47	3136	2	1.29	1.29	0.79	0.79	0.83	83.99	15.40	99.39
5	54	3139	2	1.05	1.04	0.95	0.95	0.93	93.21	6.02	99.23
5	59	3144	2	1.01	1.00	0.78	0.78	0.89	89.03	10.91	99.94
5	62	3141	2	1.24	1.23	0.76	0.77	0.87	88.40	11.28	99.68
5	65	3128	1	0.37	0.36	0.48	0.48	0.82	92.58	7.42	100.00
5	70	3122	2	0.91	0.93	0.78	0.80	0.77	77.06	22.27	99.33
5	75	3140	2	1.49	1.49	0.68	0.68	0.92	95.61	4.39	100.00
8	3	2649	2	0.83	0.86	0.79	0.79	0.67	72.56	24.38	96.94
8	14	2667	1	0.26	0.26	0.44	0.44	0.65	86.99	13.01	100.00
8	20	2648	1	0.55	0.53	0.50	0.50	0.71	86.66	13.34	100.00
8	21	2661	1	0.68	0.68	0.47	0.46	0.58	82.43	17.57	100.00
8	22	2648	2	1.29	1.30	0.78	0.78	0.80	83.98	15.04	99.02
8	23	2653	1	0.67	0.68	0.47	0.47	0.71	88.39	11.61	100.00
8	24	2642	4	2.08	2.08	1.47	1.48	0.85	77.13	19.05	96.18
8	25	2608	2	1.19	1.19	0.81	0.81	0.69	73.84	23.82	97.66
8	29	2626	1	0.26	0.24	0.44	0.43	0.59	85.75	14.25	100.00
8	35	2645	2	0.79	0.78	0.63	0.64	0.72	84.20	15.16	99.36
8	38	2633	1	0.42	0.42	0.49	0.49	0.82	93.54	6.46	100.00
8	43	2661	1	0.54	0.56	0.50	0.50	0.66	83.77	16.23	100.00
8	45	2500	1	0.29	0.29	0.45	0.45	0.82	98.60	1.40	100.00
8	49	2642	2	0.83	0.85	0.60	0.61	0.67	80.72	18.83	99.55
8	55	2611	2	0.71	0.72	0.78	0.77	0.77	83.67	15.71	99.38
8	58	2609	1	0.24	0.23	0.43	0.42	0.68	90.22	9.78	100.00
8	59	2648	3	2.00	2.00	1.00	0.99	0.84	83.67	15.99	99.66
8	64	2641	2	0.63	0.63	0.60	0.60	0.83	94.32	5.68	100.00
8	67	2620	2	1.09	1.08	0.84	0.84	0.76	79.47	18.73	98.20
8	72	2586	2	0.39	0.38	0.61	0.60	0.72	89.86	9.79	99.65
8	75	2660	2	0.83	0.82	0.76	0.76	0.85	88.01	11.88	99.89
8	81	2626	1	0.36	0.36	0.48	0.48	0.83	94.63	5.37	100.00
8	83	2651	2	0.90	0.91	0.50	0.51	0.77	93.13	6.87	100.00

Table 14. Rater Reliability Statistics – Science (cont'd)

Grade	Item	N	Max Score	Mean		SD		Weighted Kappa	Agreement		
				Rater 1	Rater 2	Rater 1	Rater 2		Exact	Adjacent	Exact + Adjacent
10	10	2782	2	0.55	0.56	0.66	0.66	0.73	85.80	13.84	99.64
10	21	2792	4	2.27	2.28	1.27	1.27	0.81	84.30	13.66	97.96
10	22	2755	2	0.93	0.94	0.85	0.85	0.84	92.59	7.12	99.71
10	23	2723	1	0.55	0.55	0.50	0.50	0.72	89.67	10.33	100.00
10	24	2706	3	2.01	1.97	1.00	1.02	0.67	71.73	24.98	96.71
10	25	2734	1	0.35	0.36	0.48	0.48	0.68	88.46	11.54	100.00
10	26	2723	1	0.53	0.53	0.50	0.50	0.59	82.08	17.92	100.00
10	27	2709	1	0.49	0.48	0.50	0.50	0.67	87.46	12.54	100.00
10	32	2720	2	1.07	1.05	0.70	0.70	0.59	73.84	24.65	98.49
10	34	2740	1	0.37	0.38	0.48	0.48	0.77	93.27	6.73	100.00
10	39	2739	1	0.29	0.30	0.45	0.46	0.80	95.83	4.17	100.00
10	40	2553	2	0.55	0.56	0.81	0.81	0.72	95.74	4.06	99.80
10	41	2751	1	0.34	0.34	0.48	0.48	0.64	85.93	14.07	100.00
10	45	2302	2	0.16	0.17	0.38	0.38	0.46	92.10	7.82	99.92
10	48	2613	2	0.36	0.36	0.55	0.55	0.63	93.98	5.86	99.84
10	51	2726	2	0.95	0.96	0.89	0.88	0.74	80.41	17.82	98.23
10	67	2717	1	0.18	0.18	0.39	0.38	0.64	92.08	7.92	100.00
10	68	2626	2	0.49	0.47	0.70	0.69	0.61	78.20	21.41	99.61
10	73	2713	1	0.65	0.65	0.48	0.48	0.73	91.66	8.34	100.00
10	76	2744	2	0.84	0.83	0.77	0.77	0.78	88.23	11.52	99.75
10	81	2700	2	0.58	0.58	0.68	0.67	0.60	77.21	21.31	98.52
10	82	2760	2	1.12	1.12	0.78	0.78	0.83	94.34	5.55	99.89
10	83	2746	2	0.73	0.73	0.64	0.63	0.73	90.08	9.70	99.78

Table 15. Rater Reliability Statistics – Spanish Reading

Grade	Item	N	Max Score	Mean		SD		Weighted Kappa	Agreement		
				Rater 1	Rater 2	Rater 1	Rater 2		Exact	Adjacent	Exact + Adjacent
3	1	236	3	1.81	1.81	1.22	1.21	0.93	96.61	3.39	100.00
3	2	234	3	1.83	1.78	1.33	1.33	0.89	91.45	6.41	97.86
3	8	232	2	1.24	1.23	0.76	0.77	0.83	90.95	9.05	100.00
3	17	230	3	1.84	1.86	1.06	0.98	0.73	70.87	27.83	98.70
3	25	238	2	1.49	1.41	0.75	0.78	0.72	77.22	20.68	97.90
3	26	233	2	0.96	0.89	0.96	0.95	0.79	87.12	7.73	94.85
3	32	236	3	1.17	1.18	0.89	0.90	0.88	96.61	3.39	100.00
3	36	235	2	1.01	1.03	0.81	0.80	0.64	66.95	30.47	97.42
4	13	17	3	1.00	1.00	1.00	1.00	0.60	100.00	0.00	100.00
4	14	17	2	0.35	0.35	0.49	0.49	0.55	100.00	0.00	100.00
4	29	17	3	2.00	1.94	1.12	1.20	0.63	94.12	5.88	100.00
4	31	17	2	0.59	0.59	0.87	0.87	0.67	100.00	0.00	100.00
4	33	17	3	1.06	1.00	1.03	1.00	0.60	94.12	5.88	100.00
4	34	17	3	1.06	1.06	1.20	1.20	0.65	100.00	0.00	100.00
4	42	17	2	0.35	0.35	0.70	0.70	0.62	100.00	0.00	100.00
4	44	17	2	1.18	1.24	0.81	0.75	0.62	94.12	5.88	100.00
4	45	17	3	0.76	0.76	0.83	0.83	0.57	100.00	0.00	100.00
4	97	17	2	0.65	0.71	0.70	0.69	0.59	94.12	5.88	100.00
4	98	17	3	1.12	1.12	1.11	1.11	0.63	100.00	0.00	100.00
4	100	17	2	0.41	0.41	0.51	0.51	0.55	100.00	0.00	100.00
4	108	17	2	1.41	1.41	0.80	0.80	0.65	100.00	0.00	100.00
4	116	17	3	1.12	1.18	0.93	0.88	0.57	94.12	5.88	100.00

Table 16. Rater Reliability Statistics – Spanish Writing

Grade	Item	N	Max Score	Mean		SD		Weighted Kappa	Agreement		
				Rater 1	Rater 2	Rater 1	Rater 2		Exact	Adjacent	Exact + Adjacent
3	4A	237	1	0.79	0.78	0.41	0.42	0.85	97.05	2.95	100.00
3	4B	237	1	0.22	0.23	0.41	0.42	0.85	96.62	3.38	100.00
3	4C	237	1	0.63	0.63	0.48	0.48	0.87	96.20	3.80	100.00
3	4D	237	1	0.62	0.60	0.49	0.49	0.88	96.20	3.80	100.00
3	4E	237	1	0.50	0.50	0.50	0.50	0.92	98.31	1.69	100.00
3	4F	237	1	0.78	0.77	0.41	0.42	0.73	91.98	8.02	100.00
3	16A	236	2	1.18	1.22	0.56	0.55	0.57	78.30	21.28	99.58
3	16B	236	1	0.85	0.89	0.36	0.32	0.48	88.51	11.49	100.00
3	16C	236	1	0.76	0.82	0.43	0.39	0.51	84.26	15.74	100.00
3	16D	236	1	0.91	0.93	0.29	0.26	0.57	94.47	5.53	100.00
3	27A	233	2	1.09	1.12	0.68	0.68	0.64	78.11	20.60	98.71
3	27B	233	1	0.72	0.74	0.45	0.44	0.62	87.12	12.88	100.00
3	27C	233	1	0.65	0.65	0.48	0.48	0.49	78.11	21.89	100.00
3	27D	233	1	0.79	0.78	0.41	0.42	0.67	90.99	9.01	100.00
3	39A	232	2	1.15	1.07	0.68	0.65	0.39	55.46	42.36	97.82
3	39B	232	1	0.72	0.72	0.45	0.45	0.34	74.12	25.88	100.00
3	39C	232	1	0.72	0.75	0.45	0.44	0.45	80.26	19.74	100.00
3	39D	232	1	0.82	0.83	0.38	0.38	0.41	84.21	15.79	100.00
4	1	21	1	0.81	0.90	0.40	0.30	0.62	90.48	9.52	100.00
4	2A	17	1	0.94	0.94	0.24	0.24	0.54	100.00	0.00	100.00
4	2B	17	1	0.65	0.65	0.49	0.49	0.70	100.00	0.00	100.00
4	2C	17	1	0.71	0.71	0.47	0.47	0.69	100.00	0.00	100.00
4	2D	17	1	0.53	0.53	0.51	0.51	0.72	100.00	0.00	100.00
4	2E	17	1	0.47	0.53	0.51	0.51	0.65	94.12	5.88	100.00
4	2F	17	1	0.18	0.18	0.39	0.39	0.64	100.00	0.00	100.00
4	3A	17	4	0.76	0.76	0.97	0.97	0.54	100.00	0.00	100.00
4	3B	17	4	1.35	1.35	0.86	0.86	0.51	88.24	11.76	100.00
4	3C	17	2	0.76	0.88	0.44	0.33	0.46	88.24	11.76	100.00
4	25	17	4	1.24	1.24	1.15	1.20	0.56	88.24	11.76	100.00
4	63	16	4	2.00	2.00	1.32	1.32	0.56	100.00	0.00	100.00
4	90	16	4	1.88	1.81	0.96	0.98	0.50	93.75	6.25	100.00

Table 17. Rater Severity/Leniency Study Results

Content Area	Grade	2010/2011 Item Number	2012 Item Number	Valid N	Mean 2010/2011	Mean 2012	Mean Difference	STD 2010/2011	STD 2012	% Adjacent	% % Exact	% % Discrepant	Corr	Intra Class Corr	Wtd Kappa
Reading	3	20	20	1008	1.18	1.15	0.03	0.78	0.80	29.46	68.45	2.08	0.70	0.85	0.70
Reading	3	27	27	995	0.71	0.83	-0.12	0.64	0.69	29.15	69.85	1.01	0.65	0.81	0.63
Reading	4	15	18	1008	0.88	1.00	-0.12	0.65	0.71	32.34	67.26	0.40	0.66	0.82	0.64
Reading	4	109	109	1048	1.13	1.54	-0.41	0.76	0.88	36.45	57.44	6.11	0.67	0.78	0.59
Reading	5	8	14	1045	1.07	1.09	-0.02	0.93	0.89	32.06	66.51	1.44	0.77	0.88	0.77
Reading	5	23	21	1000	0.78	0.93	-0.15	0.65	0.72	34.70	64.50	0.80	0.63	0.80	0.61
Reading	6	24	18	1042	1.11	0.97	0.14	0.71	0.77	30.42	68.43	1.15	0.70	0.84	0.69
Reading	6	112	99	1052	1.32	1.38	-0.06	0.72	0.87	33.65	64.07	2.28	0.67	0.83	0.66
Reading	7	24	25	978	1.56	1.38	0.18	0.89	0.87	31.08	64.62	4.29	0.69	0.84	0.68
Reading	7	113	106	979	0.94	0.95	-0.01	0.78	0.75	18.18	81.51	0.31	0.84	0.92	0.84
Reading	8	15	30	993	1.64	1.40	0.24	0.88	0.83	33.43	64.05	2.52	0.74	0.85	0.71
Reading	8	109	110	968	1.95	1.89	0.06	1.09	1.09	20.35	74.59	5.06	0.82	0.91	0.82
Reading	9	93	96	973	1.42	1.69	-0.27	0.98	0.80	39.26	56.42	4.32	0.70	0.82	0.66
Reading	9	112	112	921	1.36	1.28	0.08	0.88	0.77	40.07	57.11	2.82	0.63	0.81	0.62
Reading	10	37	47	946	2.33	2.36	-0.03	0.91	0.89	23.04	73.78	3.17	0.77	0.88	0.77
Reading	10	112	104	986	1.52	1.41	0.11	0.91	0.80	42.19	54.87	2.94	0.64	0.82	0.63
Writing	3	27A	39A	1032	1.34	1.24	0.10	0.52	0.45	22.97	76.94	0.10	0.54	0.76	0.52
Writing	3	27B	39B	1032	0.97	0.97	0.00	0.18	0.17	2.91	97.09	0.00	0.53	0.77	0.53
Writing	3	27C	39C	1032	0.77	0.71	0.06	0.42	0.45	14.53	85.47	0.00	0.63	0.81	0.62
Writing	3	27D	39D	1032	0.84	0.84	0.00	0.37	0.37	10.08	89.92	0.00	0.63	0.81	0.63
Writing	4	23	116	998	2.36	2.44	-0.08	0.84	0.87	32.57	65.53	1.90	0.70	0.85	0.70
Writing	5	94	93	1015	2.49	2.51	-0.02	0.78	0.84	29.85	69.26	0.89	0.74	0.87	0.74
Writing	6	92	94	992	2.57	2.60	-0.03	0.77	0.83	31.45	67.84	0.71	0.73	0.86	0.73
Writing	7	89	93	1049	2.51	2.58	-0.07	0.71	0.80	31.36	67.78	0.86	0.69	0.84	0.68
Writing	8	94	98	988	2.50	2.42	0.08	0.72	0.76	26.01	73.68	0.30	0.76	0.88	0.75

* Items from 2011 are in bold.

Table 17. Rater Severity/Leniency Study Results (cont'd)

Content Area	Grade	2010/2011 Item Number	2012 Item Number	Valid N	Mean 2010/ 2011	Mean 2012	Mean Difference	STD 2010/ 2011	STD 2012	% Adjacent	% Exact	% Discrepant	Corr	Intra Class Corr	Wtd Kappa
Writing	9	116	94	976	2.51	2.44	0.07	0.76	0.81	28.69	71.31	0.00	0.77	0.88	0.77
Writing	10	116	116	951	2.62	2.56	0.06	0.76	0.78	25.13	73.71	1.16	0.74	0.87	0.74
Mathematics	3	10	9	977	1.15	1.14	0.01	0.83	0.83	10.44	88.64	0.92	0.90	0.95	0.90
Mathematics	4	23	23	1065	2.07	2.12	-0.05	1.20	1.19	8.64	90.89	0.47	0.96	0.98	0.96
Mathematics	4	33	35	1008	0.82	0.83	-0.01	0.79	0.79	4.07	95.93	0.00	0.97	0.98	0.97
Mathematics	4	65	58	1016	1.65	1.59	0.06	1.22	1.22	13.68	85.24	1.08	0.94	0.97	0.94
Mathematics	5	20	11	1024	0.97	1.21	-0.24	1.06	1.14	27.73	68.36	3.91	0.84	0.91	0.82
Mathematics	5	27	26	1024	0.94	0.91	0.03	0.87	0.85	9.96	89.94	0.10	0.93	0.97	0.93
Mathematics	5	46	46	1006	2.24	2.31	-0.07	1.16	1.12	33.20	64.41	2.39	0.84	0.92	0.83
Mathematics	6	15	17	1023	1.34	1.33	0.01	0.98	0.95	17.60	81.43	0.98	0.89	0.94	0.88
Mathematics	6	33	33	1034	1.31	1.27	0.04	0.80	0.81	8.41	88.39	3.19	0.84	0.92	0.84
Mathematics	6	40	40	1034	1.16	1.26	-0.10	0.99	1.09	18.57	76.89	4.55	0.83	0.91	0.82
Mathematics	7	20	20	1005	1.05	1.07	-0.02	1.12	1.11	12.94	85.87	1.19	0.93	0.96	0.93
Mathematics	7	23	23	1024	0.39	0.38	0.01	0.74	0.72	4.88	94.82	0.29	0.94	0.97	0.94
Mathematics	7	34	34	1039	1.28	1.30	-0.02	1.05	1.06	3.95	95.67	0.38	0.97	0.99	0.97
Mathematics	8	17	14	969	0.29	0.32	-0.03	0.69	0.72	1.96	95.56	2.48	0.88	0.94	0.88
Mathematics	8	48	47	1059	1.23	1.24	-0.01	0.74	0.72	14.54	84.80	0.66	0.84	0.92	0.84
Mathematics	8	60	60	1057	2.66	2.66	0.00	1.15	1.18	19.21	79.47	1.32	0.91	0.95	0.91
Mathematics	9	20	20	1031	1.71	1.68	0.03	1.19	1.20	26.96	70.71	2.33	0.87	0.94	0.87
Mathematics	9	49	49	1006	1.26	1.24	0.02	1.28	1.30	11.43	86.58	1.99	0.94	0.97	0.94
Mathematics	9	51	51	1015	1.28	1.26	0.02	0.82	0.84	11.23	88.67	0.10	0.92	0.96	0.92
Mathematics	10	25	25	1018	1.27	1.33	-0.06	0.67	0.69	21.32	78.19	0.49	0.75	0.87	0.75
Mathematics	10	34	35	1012	1.79	1.81	-0.02	1.04	1.04	14.13	85.08	0.79	0.92	0.96	0.92
Mathematics	10	60	60	989	1.59	1.36	0.23	1.34	1.42	28.72	69.06	2.22	0.92	0.95	0.90
Science	5	25	25	1042	0.70	0.70	0.00	0.46	0.46	11.13	88.87	0.00	0.73	0.87	0.73

* Items from 2011 are in bold.

Table 17. Rater Severity/Leniency Study Results (cont'd)

Content Area	2010/2011		2012	Valid N	Mean		Mean Difference	STD		% Adjacent	% Exact	% Discrepant	Corr	Intra Class Corr	Wtd Kappa
	Grade	Item Number	Item Number		2010/2011	2012		2010/2011	2012						
Science	5	46	62	1038	1.28	1.36	-0.08	0.73	0.74	13.01	86.71	0.29	0.87	0.93	0.87
Science	8	24	24	1024	2.17	2.17	0.00	1.49	1.48	27.15	66.41	6.45	0.86	0.93	0.86
Science	8	44	59	1013	2.03	2.04	-0.01	0.94	0.94	20.73	78.58	0.69	0.87	0.93	0.87
Science	8	83	83	1018	0.94	0.91	0.03	0.50	0.50	8.74	91.26	0.00	0.83	0.91	0.82
Science	10	9	10	1028	0.61	0.57	0.04	0.70	0.67	20.82	78.70	0.49	0.76	0.88	0.76
Science	10	21	21	967	2.25	2.38	-0.13	1.36	1.29	21.72	74.15	4.14	0.89	0.94	0.88
Science	10	23	23	947	0.57	0.61	-0.04	0.50	0.49	10.45	89.55	0.00	0.79	0.89	0.78
Science	10	24	24	945	2.13	1.96	0.17	0.99	1.03	29.31	64.66	6.03	0.73	0.86	0.72

* Items from 2011 are in bold.

Table 18. Tested Population Demographic Distribution – Reading

Subgroup	Grade							
	3	4	5	6	7	8	9	10
No Disability	57340	56810	56090	55915	54961	54222	54207	51982
Disability	5769	6103	6234	5864	5603	5256	4921	4321
No IEP	57332	56808	56085	55915	54964	54214	54197	51981
IEP	5764	6097	6233	5860	5597	5250	4913	4318
No Accommodation	48725	47064	46730	48852	49586	48875	51211	49035
Accommodation	10039	11720	11294	8690	6645	6188	3586	3026
Am. Indian/Alaska Native	476	475	521	520	507	514	489	488
Asian	2109	2108	1995	1922	1860	1860	1841	1802
Black	2919	2886	2845	2949	2966	2980	2850	2738
Hispanic	20121	20658	20214	20079	19228	18405	17840	16125
White	35224	34659	34587	34278	34018	33849	34259	33389
Hawaiian/Pacific Islander	150	113	122	126	154	121	151	133
Two or More Races	2108	2014	2040	1907	1830	1747	1696	1624
Not Free Lunch Eligible	35306	34766	34692	34974	35167	35320	37060	36883
Free Lunch Eligible	23245	23456	22846	22093	20792	19697	18041	15759
Reduced Lunch Eligible	4540	4668	4765	4678	4584	4420	3975	3633
Female	31039	30829	30735	30110	29691	29215	29027	27717
Male	32066	32083	31587	31671	30872	30259	30096	28583
Language Proficiency NA	51633	50580	50409	50416	50044	49320	49524	47855
Language Proficiency NEP	2025	1715	1095	868	657	557	684	671
Language Proficiency LEP	7974	7998	7198	6064	4912	4195	3504	2919
Language Proficiency FEP	1476	2621	3622	4434	4951	5404	5417	4858
Not Migrant Or Immigrant	62174	62168	61564	61121	59888	58795	58429	55592
Migrant	187	178	167	155	147	169	151	127
Immigrant	712	533	566	480	511	485	514	558
Migrant and Immigrant	22	22	20	19	14	12	14	16

Table 19. Tested Population Demographic Distribution – Writing

Subgroup	Grade							
	3	4	5	6	7	8	9	10
No Disability	57347	56762	56269	55879	54930	54060	54100	52051
Disability	5761	6121	6264	5860	5626	5247	4935	4320
No IEP	57341	56760	56264	55879	54933	54052	54090	52050
IEP	5753	6115	6263	5856	5620	5241	4927	4317
No Accommodation	47755	45808	45825	48115	48645	48426	50530	48626
Accommodation	11168	12886	12253	9240	7389	6193	3979	3240
Am. Indian/Alaska Native	471	474	523	520	506	513	489	488
Asian	2118	2104	2006	1923	1857	1855	1823	1806
Black	2945	2879	2867	2957	2971	2981	2853	2750
Hispanic	20079	20648	20311	20065	19233	18370	17855	16155
White	35225	34650	34662	34247	34008	33722	34172	33408
Hawaiian/Pacific Islander	149	113	122	126	154	121	151	135
Two or More Races	2118	2015	2042	1903	1826	1743	1690	1625
Not Free Lunch Eligible	35352	34748	34778	34933	35147	35224	36936	36899
Free Lunch Eligible	23203	23451	22942	22094	20801	19643	18074	15807
Reduced Lunch Eligible	4531	4661	4792	4677	4587	4399	3974	3636
Female	31043	30802	30853	30084	29681	29123	28971	27749
Male	32061	32080	31678	31657	30874	30180	30059	28619
Language Proficiency NA	51651	50553	50538	50375	50035	49153	49420	47885
Language Proficiency NEP	2030	1715	1105	871	658	554	681	684
Language Proficiency LEP	7954	7994	7243	6064	4914	4198	3511	2940
Language Proficiency FEP	1470	2622	3647	4432	4949	5400	5424	4862
Not Migrant Or Immigrant	62176	62141	61771	61081	59879	58627	58335	55652
Migrant	189	178	168	154	146	169	153	130
Immigrant	706	530	567	481	513	483	514	563
Migrant and Immigrant	22	22	20	19	14	11	13	16

Table 20. Tested Population Demographic Distribution – Mathematics

Subgroup	Grade							
	3	4	5	6	7	8	9	10
No Disability	58539	56903	56291	55690	54989	54273	53984	52209
Disability	5891	6138	6270	5882	5641	5269	4926	4342
No IEP	58534	56900	56290	55690	54991	54265	53968	52203
IEP	5882	6132	6267	5881	5636	5263	4922	4340
No Accommodation	48820	47760	47643	49447	49476	48980	50707	49077
Accommodation	11351	10966	10572	8091	6828	6156	3944	3111
Am. Indian/Alaska Native	476	475	519	517	508	516	486	495
Asian	2118	2111	2015	1918	1858	1863	1832	1810
Black	2941	2890	2872	2899	2971	2985	2860	2762
Hispanic	21347	20764	20341	20039	19248	18435	17855	16216
White	35281	34677	34641	34186	34054	33875	34027	33507
Hawaiian/Pacific Islander	150	110	122	126	153	121	152	133
Two or More Races	2116	2013	2050	1892	1836	1745	1693	1624
Not Free Lunch Eligible	35470	34794	34787	34867	35184	35357	36799	36976
Free Lunch Eligible	24330	23557	22962	22044	20835	19720	18085	15889
Reduced Lunch Eligible	4611	4665	4793	4632	4589	4424	3970	3651
Female	31682	30872	30850	29991	29718	29239	28910	27824
Male	32748	32169	31710	31586	30910	30301	29994	28723
Language Proficiency NA	51748	50593	50534	50223	50090	49369	49268	48055
Language Proficiency NEP	2592	1823	1126	884	670	564	694	690
Language Proficiency LEP	8616	8006	7250	6054	4914	4203	3525	2936
Language Proficiency FEP	1474	2618	3651	4415	4955	5405	5422	4869
Not Migrant Or Immigrant	63415	62263	61791	60907	59952	58857	58204	55826
Migrant	193	179	169	156	146	168	154	130
Immigrant	781	564	576	487	515	488	516	562
Migrant and Immigrant	25	22	20	20	14	13	14	16

Table 21. Tested Population Demographic Distribution – Science

Subgroup	Grade		
	5	8	10
No Disability	56317	54184	52177
Disability	6276	5261	4338
No IEP	56315	54180	52177
IEP	6272	5252	4332
No Accommodation	48798	50063	49257
Accommodation	9267	4930	2880
Am. Indian/Alaska Native	521	511	495
Asian	2011	1862	1815
Black	2869	2976	2765
Hispanic	20353	18381	16175
White	34672	33849	33506
Hawaiian/Pacific Islander	122	121	134
Two or More Races	2045	1743	1622
Not Free Lunch Eligible	34805	35320	36974
Free Lunch Eligible	22969	19673	15856
Reduced Lunch Eligible	4799	4411	3654
Female	30875	29209	27808
Male	31715	30233	28704
Language Proficiency NA	50564	49300	48019
Language Proficiency NEP	1120	563	691
Language Proficiency LEP	7254	4183	2937
Language Proficiency FEP	3655	5399	4868
Not Migrant Or Immigrant	61830	58766	55790
Migrant	169	168	133
Immigrant	567	484	564
Migrant and Immigrant	20	12	16

Table 22. Tested Population Demographic Distribution – Spanish Reading and Writing

Subgroup	Reading Grade		Writing Grade	
	3	4	3	4
No Disability	1091	90	1101	90
Disability	98	1	98	1
No IEP	1091	90	1101	90
IEP	98	1	98	1
No Accommodation	963	69	972	67
Accommodation	224	20	223	22
Am. Indian/Alaska Native	3	.	3	.
Asian	.	.	.	.
Black	.	.	.	.
Hispanic	1185	91	1195	91
White	1	.	1	.
Hawaiian/Pacific Islander	.	.	.	.
Two or More Races	.	.	.	.
Not Free Lunch Eligible	54	11	53	11
Free Lunch Eligible	1064	76	1071	76
Reduced Lunch Eligible	71	4	75	4
Female	578	45	582	44
Male	611	46	617	47
Language Proficiency NA	5	2	4	2
Language Proficiency NEP	543	79	550	79
Language Proficiency LEP	637	9	641	9
Language Proficiency FEP	4	1	4	1
Not Migrant Or Immigrant	1110	63	1120	63
Migrant	4	1	4	1
Immigrant	72	27	72	27
Migrant and Immigrant	3	.	3	.

Table 23. Multiple-Choice Item Analyses, Grade 3 ReadingMean Item-Total Corr.: 0.38 Mean *p*-Value: 0.70

Item #	Session	CS	SA	Item-Total Corr.	Omit %	<i>p</i> -Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	<i>p</i> -Value
1	1	1	1/4	0.49	0.44	0.90	21	2	1	1/4	0.22	0.35	0.54
2	1	1	1/4	0.49	0.16	0.76	22	2	1	1/4	0.49	0.11	0.77
3	1	1	1/4	0.37	0.13	0.67	24	2	1	3	0.47	1.39	0.77
4	1	1	1/4	0.39	0.18	0.89	25	2	1	2	0.31	0.16	0.53
6	1	1	1/4	0.24	0.27	0.48	26	2	1	3	0.46	0.15	0.68
7	1	1	3	0.42	0.45	0.76	28	2	1	2	0.36	0.23	0.68
8	1	1	3	0.26	0.54	0.68	29	2	1	2	0.47	0.78	0.71
9	1	1	2	0.24	0.11	0.78	30	2	1	2	0.40	0.84	0.80
10	1	1	2	0.37	0.17	0.42	31	2	1	3	0.40	0.36	0.76
11	1	1	2	0.32	0.18	0.65	33	2	1	2	0.33	0.64	0.40
12	1	1	2	0.42	0.50	0.65	34	2	1	2	0.52	0.89	0.75
13	1	1	1/4	0.45	0.13	0.78	35	2	1	3	0.50	0.90	0.75
14	1	1	3	0.42	0.22	0.73	36	2	1	3	0.39	1.25	0.70
16	1	1	3	0.32	0.43	0.88	37	2	1	2	0.38	1.24	0.70
18	1	1	3	0.39	0.90	0.88	38	2	1	2	0.26	1.31	0.63
19	2	1	1/4	0.38	0.05	0.81	40	2	1	2	0.32	2.58	0.42

Table 24. Constructed-Response Item Analyses, Grade 3 ReadingMean Item-Total Corr.: 0.48 Mean *p*-Value: 0.49

Item #	Part	Session	CS	SA	Item-Total	% Score	% Score	% Score	% Score	% Score	Omit %	<i>p</i> -Value
					Corr.	0	1	2	3	4		
5		1	1	1/4	0.43	8.94	27.44	54.40	8.72		0.51	0.54
15		1	1	1/4	0.56	24.52	25.64	49.02			0.81	0.62
17		1	1	1/4	0.53	24.15	20.29	54.21			1.35	0.64
20		2	1	1/4	0.40	16.49	42.08	31.84	8.87		0.71	0.44
23		2	1	1/4	0.39	42.28	33.90	18.92	3.94		0.97	0.28
27		2	1	2	0.54	33.36	48.78	16.20			1.66	0.41
32		2	1	2	0.47	16.75	45.24	28.91	7.49		1.61	0.42
39		2	1	2	0.54	24.57	37.47	35.25			2.70	0.54

Table 25. Multiple-Choice Item Analyses, Grade 3 Reading (Spanish)Mean Item-Total Corr.: 0.33 Mean *p*-Value: 0.59

Item #	Session	CS	SA	Item-Total Corr.	Omit %	<i>p</i> -Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	<i>p</i> -Value
3	1	1	2	0.28	0.25	0.26	21	2	1	1/4	0.43	0.76	0.93
4	1	1	2	0.26	0.08	0.65	22	2	1	1/4	0.43	0.08	0.66
5	1	1	3	0.19	0.17	0.31	23	2	1	1/4	0.49	0.17	0.85
6	1	1	3	0.24	0.08	0.23	24	2	1	3	0.36	0.08	0.83
7	1	1	1/4	0.30	0.34	0.30	27	2	1	2	0.32	0.93	0.86
9	1	1	3	0.24	0.00	0.38	28	2	1	3	0.47	0.25	0.72
10	1	1	3	0.31	0.59	0.60	29	2	1	3	0.32	0.59	0.75
11	1	1	1/4	0.39	0.00	0.68	30	2	1	2	0.34	0.34	0.52
12	1	1	1/4	0.28	0.17	0.51	31	2	1	2	0.41	0.59	0.60
13	1	1	1/4	0.25	0.50	0.30	33	2	1	2	0.29	0.42	0.56
14	1	1	1/4	0.00	0.59	0.35	34	2	1	2	0.22	0.50	0.47
15	1	1	3	0.45	0.76	0.76	35	2	1	3	0.05	0.42	0.34
16	1	1	1/4	0.39	0.93	0.83	37	2	1	1/4	0.54	0.76	0.70
18	1	1	1/4	0.41	9.25	0.73	38	2	1	3	0.40	1.09	0.64
19	1	1	1/4	0.46	2.52	0.75	39	2	1	1/4	0.39	1.26	0.57
20	1	1	3	0.40	2.78	0.64	40	2	1	3	0.33	1.09	0.59

Table 26. Constructed-Response Item Analyses, Grade 3 Reading (Spanish)Mean Item-Total Corr.: 0.51 Mean *p*-Value: 0.56

Item #	Part	Session	CS	SA	Item-Total	% Score	% Score	% Score	% Score	% Score	Omit %	<i>p</i> -Value
					Corr.	0	1	2	3	4		
1		1	1	2	0.43	28.68	9.17	24.05	37.34		0.76	0.56
2		1	1	2	0.62	29.60	6.73	8.16	53.99		1.51	0.62
8		1	1	1/4	0.55	25.06	29.27	44.41			1.26	0.59
17		1	1	1/4	0.51	10.60	19.60	32.21	34.40		3.20	0.62
25		2	1	1/4	0.50	15.14	24.22	59.88			0.76	0.72
26		2	1	1/4	0.42	48.70	9.59	39.95			1.77	0.45
32		2	1	2	0.49	25.32	37.34	30.78	5.63		0.93	0.39
36		2	1	1/4	0.55	29.10	35.24	34.23			1.43	0.52

Table 27. Multiple-Choice Item Analyses, Grade 3 WritingMean Item-Total Corr.: 0.38 Mean *p*-Value: 0.75

Item #	Session	CS	SA	Item-Total Corr.	Omit %	<i>p</i> -Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	<i>p</i> -Value
2	1	2		0.47	0.08	0.76	21	2	3	7	0.43	0.03	0.91
3	1	2		0.28	0.17	0.69	22	2	3	7	0.39	0.07	0.81
4	1	3	7	0.49	0.28	0.82	23	2	3	7	0.25	0.11	0.90
5	1	3	7	0.42	0.56	0.81	24	2	3	7	0.43	0.09	0.79
6	1	3	7	0.47	0.13	0.91	25	2	3	7	0.40	0.37	0.89
7	1	3	7	0.28	0.24	0.95	26	2	3	7	0.47	0.32	0.67
8	1	3	8	0.30	0.26	0.59	27	2	3	8	0.38	0.59	0.77
9	1	3	8	0.31	0.40	0.80	29	2	3	8	0.33	0.27	0.59
11	1	2	5	0.24	0.31	0.56	30	2	3	8	0.35	0.35	0.87
12	1	3	7	0.39	0.71	0.87	31	2	2		0.21	6.32	0.36
13	1	2		0.28	8.79	0.48	32	2	3	7	0.49	0.26	0.72
14	1	2		0.38	2.98	0.81	33	2	2	5	0.34	0.32	0.84
15	1	3	7	0.43	0.83	0.74	34	2	2	5	0.27	0.19	0.58
16	1	3	7	0.37	1.21	0.74	35	2	3	8	0.45	0.51	0.66
17	1	2	5	0.41	0.24	0.63	36	2	3	8	0.40	0.16	0.90
18	1	2	5	0.42	0.29	0.78	37	2	3	8	0.49	0.51	0.80
19	1	2	5	0.37	0.35	0.78	38	2	3	7	0.35	0.89	0.64
20	1	2	5	0.43	0.39	0.88							

Table 28. Constructed-Response Item Analyses, Grade 3 WritingMean Item-Total Corr.: 0.42 Mean *p*-Value: 0.78

Item #	Part	Session	CS	SA	Item-Total	% Score					Omit %	<i>p</i> -Value
					Corr.	0	1	2	3	4		
1	A	1	3	8	0.38	22.60	77.30				0.10	0.77
1	B	1	3	7	0.50	38.54	61.36				0.11	0.61
1	C	1	3	8	0.47	36.35	63.53				0.12	0.64
1	D	1	3	8	0.43	33.13	66.75				0.12	0.67
1	E	1	3	7	0.19	9.37	90.51				0.12	0.91
1	F	1	3	7	0.48	32.45	67.44				0.11	0.67
10	A	1	2	5	0.36	0.94	74.83	23.91			0.32	0.61
10	B	1	2	5	0.32	2.08	97.60				0.32	0.98
10	C	1	2	5	0.52	21.30	78.38				0.32	0.78
10	D	1	3	5	0.49	10.39	89.29				0.32	0.89
28	A	2	2	5	0.37	0.90	70.47	28.23			0.40	0.63
28	B	2	2	5	0.30	2.29	97.31				0.40	0.97
28	C	2	2	5	0.53	22.65	76.94				0.40	0.77
28	D	2	3	5	0.48	11.30	88.29				0.40	0.88
39	A	2	2	5	0.39	1.17	65.84	32.33			0.66	0.65
39	B	2	2	5	0.33	4.26	95.08				0.66	0.95
39	C	2	2	5	0.53	25.26	74.08				0.66	0.74
39	D	2	3	5	0.48	11.68	87.66				0.66	0.88

Table 29. Multiple-Choice Item Analyses, Grade 3 Writing (Spanish)Mean Item-Total Corr.: 0.35 Mean *p*-Value: 0.72

Item #	Session	CS	SA	Item-Total Corr.	Omit %	<i>p</i> -Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	<i>p</i> -Value
1	1	3	7	0.29	0.00	0.87	21	2	3	8	0.30	0.08	0.75
2	1	3	7	0.36	0.00	0.86	22	2	3	8	0.43	0.17	0.60
3	1	3	7	0.34	0.00	0.90	23	2	3	8	0.35	0.17	0.76
5	1	3	7	0.35	0.33	0.63	24	2	3	8	0.27	0.17	0.67
6	1	3	7	0.32	0.00	0.83	25	2	3	8	0.39	0.08	0.81
7	1	3	7	0.32	0.58	0.70	26	2	3	8	0.35	0.25	0.41
8	1	3	7	0.35	1.00	0.54	28	2	3	7	0.35	0.17	0.68
9	1	3	7	0.34	1.25	0.55	29	2	3	7	0.41	0.25	0.90
10	1	3	7	0.31	0.00	0.93	30	2	3	7	0.39	0.50	0.85
11	1	3	7	0.31	0.25	0.85	31	2	3	7	0.42	0.58	0.74
12	1	3	7	0.45	0.33	0.91	32	2	3	7	0.34	1.08	0.59
13	1	2		0.39	0.33	0.75	33	2	2		0.34	1.25	0.67
14	1	2		0.35	0.33	0.81	34	2	2		0.39	0.33	0.92
15	1	2	7	0.39	0.42	0.81	35	2	2		0.38	0.42	0.92
17	1	2		0.42	1.00	0.78	36	2	2		0.40	0.75	0.71
18	1	2		0.20	1.17	0.22	37	2	2		0.27	0.75	0.52
19	1	2		0.20	1.17	0.26	38	2	2		0.28	0.75	0.78
20	2	3	8	0.41	0.08	0.70							

Table 30. Constructed-Response Item Analyses, Grade 3 Writing (Spanish)Mean Item-Total Corr.: 0.47 Mean *p*-Value: 0.69

Item #	Part	Session	CS	SA	Item-Total	% Score	% Score	% Score	% Score	% Score	Omit %	<i>p</i> -Value
					Corr.	0	1	2	3	4		
4	A	1	3	8	0.39	18.10	80.98				0.92	0.81
4	B	1	3	7	0.34	75.73	23.35				0.92	0.23
4	C	1	3	8	0.41	34.11	65.05				0.83	0.65
4	D	1	3	8	0.43	38.03	61.05				0.92	0.61
4	E	1	3	7	0.40	44.95	54.13				0.92	0.54
4	F	1	3	7	0.34	22.52	76.56				0.92	0.77
16	A	1	2	5	0.48	7.26	63.22	28.52			1.00	0.60
16	B	1	2	5	0.44	12.26	86.74				1.00	0.87
16	C	1	2	5	0.50	19.43	79.57				1.00	0.80
16	D	1	3	5	0.46	7.76	91.24				1.00	0.91
27	A	2	2	5	0.53	17.68	52.04	28.86			1.42	0.55
27	B	2	2	5	0.58	24.60	73.98				1.42	0.74
27	C	2	2	5	0.58	31.28	67.31				1.42	0.67
27	D	2	3	5	0.55	19.43	79.23				1.33	0.79
39	A	2	2	5	0.51	15.68	54.30	28.36			1.67	0.56
39	B	2	2	5	0.51	26.94	71.39				1.67	0.71
39	C	2	2	5	0.54	28.36	69.97				1.67	0.70
39	D	2	3	5	0.49	16.85	81.57				1.58	0.82

Table 31. Multiple-Choice Item Analyses, Grade 3 MathematicsMean Item-Total Corr.: 0.42 Mean *p*-Value: 0.69

Item #	Session	CS	SA	Item-Total Corr.	Omit %	<i>p</i> -Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	<i>p</i> -Value
1	1	4/5		0.32	0.14	0.29	21	2	4/5		0.34	0.23	0.88
2	1	2/3		0.48	0.22	0.51	22	2	2/3		0.56	0.16	0.66
3	1	1		0.39	0.47	0.64	23	2	4/5		0.35	0.28	0.86
4	1	4/5		0.37	0.21	0.51	24	2	1		0.45	0.32	0.58
5	1	1		0.32	0.31	0.73	26	2	4/5		0.38	2.06	0.68
7	1	1		0.34	0.18	0.90	27	2	4/5		0.43	0.33	0.82
8	1	2/3		0.45	0.16	0.62	28	2	4/5		0.45	0.50	0.63
10	1	2/3		0.48	0.18	0.54	29	2	2/3		0.26	0.35	0.87
11	1	4/5		0.34	0.18	0.77	31	2	2/3		0.52	0.56	0.75
12	1	6		0.39	0.43	0.89	32	2	6		0.42	1.09	0.64
13	1	6		0.43	0.27	0.76	33	2	4/5		0.55	0.29	0.53
15	1	4/5		0.40	0.29	0.75	34	2	6		0.41	1.29	0.72
16	1	2/3		0.46	0.50	0.85	35	2	4/5		0.56	0.31	0.66
17	1	2/3		0.30	0.36	0.76	36	2	4/5		0.57	0.31	0.64
18	1	6		0.50	0.67	0.65	38	2	1		0.54	0.32	0.69
19	1	1		0.46	0.41	0.65	39	2	2/3		0.36	0.37	0.64

Table 32. Constructed-Response Item Analyses, Grade 3 MathematicsMean Item-Total Corr.: 0.59 Mean *p*-Value: 0.58

Item #	Part	Session	CS	SA	Item-Total	% Score	% Score	% Score	% Score	% Score	Omit %	<i>p</i> -Value
					Corr.	0	1	2	3	4		
6		1	6		0.60	21.70	60.17	17.97			0.16	0.48
9		1	1		0.58	32.69	28.71	38.26			0.34	0.53
14		1	2/3		0.65	25.40	29.25	45.15			0.21	0.60
20		1	4/5		0.50	11.94	26.57	61.20			0.29	0.74
25		2	2/3		0.66	34.44	27.19	38.09			0.27	0.52
30		2	1		0.65	44.16	38.49	16.60			0.75	0.36
37		2	4/5		0.51	9.48	32.00	58.33			0.19	0.74
40		2	6		0.57	3.50	36.78	23.16	36.37		0.20	0.64

Table 33. Multiple-Choice Item Analyses, Grade 4 ReadingMean Item-Total Corr.: 0.40 Mean *p*-Value: 0.69

Item #	Session	CS	SA	Item-Total Corr.	Omit %	<i>p</i> -Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	<i>p</i> -Value
4	3	1	1/4	0.39	0.05	0.88	39	4	1	3	0.53	0.22	0.83
5	3	1	3	0.39	0.04	0.80	40	4	5		0.50	0.26	0.62
7	3	1	3	0.30	0.14	0.93	41	4	4	2	0.41	0.16	0.56
9	3	1	3	0.32	0.57	0.94	42	4	5		0.45	0.26	0.77
10	3	4	2	0.35	0.15	0.60	43	4	6	2	0.52	0.41	0.73
11	3	5		0.46	0.17	0.59	45	4	1	2	0.54	0.35	0.85
12	3	1	3	0.47	0.32	0.87	46	4	4	2	0.46	0.60	0.72
13	3	5		0.34	0.13	0.89	48	4	5		0.35	0.45	0.64
14	3	5		0.34	0.24	0.57	49	4	5		0.28	0.92	0.68
15	3	1	2	0.39	0.19	0.58	50	4	5		0.39	0.83	0.86
16	3	1	3	0.43	0.19	0.68	93	6	4	1/4	0.42	0.70	0.83
17	3	6	2	0.41	0.35	0.48	96	6	1	1/4	0.30	0.14	0.78
19	3	1	2	0.54	0.43	0.69	97	6	6	1/4	0.29	0.43	0.73
20	3	5		0.18	0.41	0.42	98	6	1	3	0.36	0.39	0.81
21	3	6	1/4	0.30	0.42	0.41	99	6	6	1/4	0.31	0.14	0.93
22	3	6	1/4	0.25	0.61	0.20	100	6	5		0.38	0.36	0.50
24	3	1	3	0.38	1.10	0.47	101	6	5		0.48	0.48	0.78
26	4	4	1/4	0.28	0.08	0.40	102	6	6	1/4	0.25	0.15	0.77
27	4	6	1/4	0.34	0.11	0.81	103	6	6	1/4	0.47	0.31	0.78
28	4	1	1/4	0.43	0.10	0.70	104	6	6	1/4	0.49	0.37	0.72
30	4	4	1/4	0.35	0.23	0.58	105	6	4	1/4	0.53	0.49	0.77
31	4	5		0.39	0.34	0.76	106	6	6	1/4	0.52	0.56	0.87
32	4	1	2	0.36	0.09	0.77	107	6	1	3	0.28	0.75	0.42
33	4	4	2	0.35	0.21	0.49	110	6	1	3	0.40	0.55	0.79
35	4	4	2	0.56	0.20	0.82	112	6	1	2	0.43	0.69	0.49
36	4	4	2	0.47	0.42	0.71	113	6	1	2	0.56	0.97	0.79
37	4	1	2	0.49	0.35	0.70	114	6	1	3	0.52	0.94	0.80
38	4	5		0.44	1.20	0.47	115	6	1	3	0.41	1.28	0.73

Table 34. Constructed-Response Item Analyses, Grade 4 ReadingMean Item-Total Corr.: 0.50 Mean *p*-Value: 0.55

Item #	Part	Session	CS	SA	Item-Total	% Score	% Score	% Score	% Score	% Score	Omit %	<i>p</i> -Value
					Corr.	0	1	2	3	4		
6		3	1	1/4	0.48	13.17	19.09	67.25			0.49	0.77
8		3	1	1/4	0.49	13.50	18.75	66.84			0.91	0.76
18		3	4	2	0.37	27.28	46.47	24.47			1.78	0.48
23		3	5		0.55	21.44	18.51	29.75	28.83		1.47	0.55
25		3	1	1/4	0.54	18.04	35.51	36.40	7.81		2.24	0.44
29		4	4	1/4	0.33	17.13	50.03	22.91	9.21		0.72	0.41
34		4	1	2	0.43	34.25	57.21	7.51			1.03	0.36
44		4	4	2	0.52	9.86	36.10	32.86	20.22		0.96	0.54
47		4	1	2	0.55	16.31	44.98	29.52	7.83		1.36	0.43
94		6	6	1/4	0.61	10.16	21.81	67.54			0.48	0.78
95		6	6	1/4	0.50	10.80	51.92	36.25			1.04	0.62
108		6	5		0.55	19.73	19.87	57.96			2.43	0.68
109		6	6	1/4	0.57	14.05	39.40	34.59	10.10		1.85	0.46
111		6	1	2	0.46	12.72	41.21	33.07	10.98		2.01	0.47

Table 35. Multiple-Choice Item Analyses, Grade 4 Reading (Spanish)Mean Item-Total Corr.: 0.37 Mean *p*-Value: 0.56

Item #	Session	CS	SA	Item-Total Corr.	Omit %	<i>p</i> -Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	<i>p</i> -Value
4	3	1	2	0.31	0.00	0.38	39	4	5		0.24	4.40	0.63
5	3	5		0.49	1.10	0.43	40	4	1	1/4	0.45	2.20	0.66
6	3	6	2	0.04	1.10	0.67	41	4	1	1/4	0.45	2.20	0.47
7	3	5		0.35	0.00	0.36	43	4	1	1/4	0.30	3.30	0.40
8	3	6	2	0.06	0.00	0.29	46	4	1	3	0.48	3.30	0.77
9	3	4	2	0.56	0.00	0.63	47	4	6	3	0.19	4.40	0.43
10	3	4	2	0.46	0.00	0.56	48	4	5		0.16	3.30	0.32
11	3	1	3	0.15	0.00	0.74	91	6	1	2	0.25	0.00	0.85
12	3	6	2	0.00	2.20	0.36	92	6	1	3	0.29	0.00	0.71
15	3	4	1/4	0.19	1.10	0.69	93	6	1	3	0.53	0.00	0.41
16	3	1	1/4	0.56	1.10	0.65	94	6	1	2	0.42	0.00	0.70
17	3	4	1/4	0.32	1.10	0.77	95	6	1	2	0.45	0.00	0.75
18	3	1	1/4	0.54	1.10	0.68	96	6	1	2	0.27	0.00	0.52
19	3	6	1/4	0.27	2.20	0.87	99	6	6	1/4	0.39	1.10	0.57
20	3	1	1/4	0.15	1.10	0.53	101	6	4	1/4	0.59	1.10	0.51
21	3	1	1/4	0.53	1.10	0.51	102	6	4	1/4	0.53	1.10	0.36
22	3	1	1/4	0.53	1.10	0.56	103	6	1	3	0.47	2.20	0.67
23	3	6	1/4	0.31	1.10	0.53	104	6	1	3	0.38	2.20	0.64
24	3	6	1/4	0.31	2.20	0.66	105	6	5		0.32	2.20	0.64
26	4	1	2	0.33	0.00	0.46	106	6	5		0.37	1.10	0.32
27	4	1	3	0.51	0.00	0.70	107	6	5		0.25	1.10	0.49
28	4	4	2	0.26	0.00	0.65	109	6	1	2	0.50	1.10	0.66
30	4	4	2	0.29	0.00	0.35	110	6	1	2	0.47	2.20	0.49
32	4	4	2	0.38	1.10	0.32	111	6	4	2	0.55	1.10	0.59
35	4	4	1/4	0.49	2.20	0.68	112	6	1	3	0.39	1.10	0.57
36	4	1	1/4	0.45	1.10	0.44	113	6	1	3	0.44	2.20	0.65
37	4	1	3	0.55	2.20	0.67	114	6	5		0.41	2.20	0.67
38	4	5		0.44	4.40	0.48	115	6	5		0.44	1.10	0.41

Table 36. Constructed-Response Item Analyses, Grade 4 Reading (Spanish)Mean Item-Total Corr.: 0.54 Mean *p*-Value: 0.37

Item #	Part	Session	CS	SA	Item-Total	% Score	% Score	% Score	% Score	% Score	Omit %	<i>p</i> -Value
					Corr.	0	1	2	3	4		
13		3	1	2	0.73	35.16	27.47	25.27	9.89		2.20	0.36
14		3	5		0.50	58.24	35.16	3.30			3.30	0.21
29		4	5		0.76	14.29	27.47	13.19	45.05		0.00	0.63
31		4	4	2	0.59	73.63	14.29	10.99			1.10	0.18
33		4	6	1/4	0.52	40.66	28.57	24.18	5.49		1.10	0.31
34		4	1	1/4	0.69	30.77	29.67	16.48	20.88		2.20	0.42
42		4	1	1/4	0.49	60.44	23.08	13.19			3.30	0.25
44		4	6	1/4	0.54	23.08	31.87	39.56			5.49	0.55
45		4	4	1/4	0.41	36.26	32.97	21.98	4.40		4.40	0.30
97		6	4	1/4	0.16	49.45	35.16	13.19			2.20	0.31
98		6	6	1/4	0.67	45.05	27.47	8.79	16.48		2.20	0.32
100		6	6	1/4	0.48	59.34	30.77	7.69			2.20	0.23
108		6	1	2	0.55	27.47	19.78	51.65			1.10	0.62
116		6	5		0.45	26.37	13.19	52.75	5.49		2.20	0.45

Table 37. Multiple-Choice Item Analyses, Grade 4 WritingMean Item-Total Corr.: 0.37 Mean *p*-Value: 0.72

Item #	Session	CS	SA	Item-Total Corr.	Omit %	<i>p</i> -Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	<i>p</i> -Value
51	5	3	7	0.37	0.54	0.81	72	5	3	8	0.35	1.18	0.57
52	5	3	7	0.32	0.23	0.89	73	5	3	8	0.36	1.58	0.69
53	5	3	7	0.33	0.61	0.90	74	5	3	8	0.38	0.57	0.79
54	5	3	7	0.25	0.13	0.94	75	5	2		0.33	0.62	0.86
55	5	3	7	0.32	0.30	0.52	76	5	2		0.37	2.57	0.55
56	5	2		0.38	0.51	0.69	77	5	2		0.34	2.99	0.57
57	5	2		0.43	0.77	0.82	78	5	3	7	0.46	0.97	0.79
58	5	2		0.34	0.31	0.74	79	5	3	7	0.44	1.39	0.73
59	5	3	7	0.28	0.81	0.91	80	5	3	7	0.48	2.15	0.83
60	5	3	7	0.30	0.90	0.88	81	5	3	7	0.45	0.95	0.86
61	5	3	8	0.28	0.84	0.44	82	5	3	7	0.44	1.30	0.80
62	5	2	5	0.34	0.26	0.79	83	5	3	8	0.47	1.14	0.84
63	5	3	7	0.46	0.73	0.81	84	5	3	8	0.48	1.44	0.69
64	5	3	7	0.43	0.42	0.88	85	5	3	8	0.50	1.21	0.83
65	5	3	7	0.38	0.96	0.60	86	5	3	8	0.40	1.73	0.51
66	5	2	5	0.28	0.41	0.78	87	5	3	7	0.46	2.02	0.81
67	5	2	5	0.34	0.31	0.86	88	5	2	5	0.24	1.41	0.35
68	5	2	5	0.34	0.46	0.57	89	5	2	5	0.43	1.55	0.71
70	5	3	8	0.39	0.39	0.59	90	5	2	5	0.25	1.76	0.53
71	5	2	5	0.23	0.52	0.47	91	5	2	5	0.49	2.33	0.72

Table 38. Constructed-Response Item Analyses, Grade 4 WritingMean Item-Total Corr.: 0.42 Mean *p*-Value: 0.69

Item #	Part	Session	CS	SA	Item-Total Corr.	% Score 0	% Score 1	% Score 2	% Score 3	% Score 4	Omit %	<i>p</i> -Value
1		1	2	6	0.12	1.54	98.46				0.00	0.98
2	A	2	3	7	0.32	24.55	75.23				0.22	0.75
2	B	2	3	8	0.45	20.86	78.91				0.23	0.79
2	C	2	3	7	0.16	53.55	46.19				0.26	0.46
2	D	2	3	8	0.34	33.95	65.81				0.24	0.66
2	E	2	3	8	0.41	57.50	42.24				0.26	0.42
2	F	2	3	7	0.45	16.27	83.47				0.26	0.83
3	A	2	2	6	0.61	2.31	4.87	39.39	39.00	14.24	0.20	0.64
3	B	2	2	6	0.65	0.96	7.55	42.28	35.80	13.22	0.20	0.63
3	C	2	3	6	0.51	1.21	10.20	88.38			0.20	0.93
69		5	2	5	0.47	0.30	4.67	31.70	49.06	13.35	0.93	0.67
92		5	2	5	0.48	0.62	9.35	41.71	36.36	7.60	4.35	0.58
116		5	2	5	0.52	0.86	8.12	38.41	42.56	8.18	1.88	0.61

Table 39. Multiple-Choice Item Analyses, Grade 4 Writing (Spanish)Mean Item-Total Corr.: 0.31 Mean *p*-Value: 0.50

Item #	Session	CS	SA	Item-Total Corr.	Omit %	<i>p</i> -Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	<i>p</i> -Value
49	5	3	7	0.32	0.00	0.77	70	5	3	7	0.28	1.10	0.37
50	5	3	7	0.47	0.00	0.74	71	5	3	7	0.10	3.30	0.54
51	5	2		0.34	0.00	0.86	72	5	3	8	0.07	1.10	0.38
52	5	2		0.38	0.00	0.55	73	5	3	8	-0.06	1.10	0.40
53	5	2		0.03	0.00	0.96	74	5	3	8	0.28	1.10	0.63
54	5	3	7	0.38	0.00	0.63	75	5	3	8	0.31	1.10	0.43
55	5	2		0.40	0.00	0.82	76	5	3	7	0.17	1.10	0.41
56	5	3	7	0.33	0.00	0.84	77	5	3	7	0.26	2.20	0.36
57	5	2	5	0.30	0.00	0.41	78	5	3	7	0.29	6.59	0.22
58	5	2	5	0.28	0.00	0.43	79	5	3	8	0.14	2.20	0.55
59	5	2	5	0.09	0.00	0.35	80	5	3	8	0.27	2.20	0.40
60	5	2	5	0.38	1.10	0.46	81	5	3	8	0.36	2.20	0.35
61	5	2	5	0.41	0.00	0.52	82	5	3	8	0.41	2.20	0.37
62	5	2	5	0.17	0.00	0.36	83	5	3	8	0.47	2.20	0.44
64	5	3	7	0.46	1.10	0.31	84	5	3	8	0.40	2.20	0.41
65	5	3	7	0.51	1.10	0.70	85	5	3	8	0.31	2.20	0.43
66	5	3	7	0.31	1.10	0.56	86	5	3	8	0.16	2.20	0.36
67	5	3	7	0.43	1.10	0.42	87	5	2		0.35	3.30	0.32
68	5	3	7	0.37	1.10	0.63	88	5	2		0.54	3.30	0.66
69	5	3	7	0.46	1.10	0.41	89	5	2		0.35	3.30	0.43

Table 40. Constructed-Response Item Analyses, Grade 4 Writing (Spanish)Mean Item-Total Corr.: 0.38 Mean *p*-Value: 0.54

Item #	Part	Session	CS	SA	Item-Total	% Score	% Score	% Score	% Score	% Score	Omit %	<i>p</i> -Value
					Corr.	0	1	2	3	4		
1		1	2	6	0.06	7.69	92.31				0.00	0.92
2	A	2	3	7	0.27	12.09	86.81				1.10	0.87
2	B	2	3	7	0.47	31.87	67.03				1.10	0.67
2	C	2	3	7	0.32	19.78	79.12				1.10	0.79
2	D	2	3	8	0.17	27.47	71.43				1.10	0.71
2	E	2	3	7	0.32	62.64	36.26				1.10	0.36
2	F	2	3	8	0.12	91.21	7.69				1.10	0.08
3	A	2	2	6	0.53	31.87	14.29	41.76	7.69	2.20	2.20	0.32
3	B	2	2	6	0.55	7.69	31.87	43.96	12.09	2.20	2.20	0.41
3	C	2	3	6	0.59	9.89	67.03	20.88			2.20	0.54
25		5	2	5	0.50	17.58	39.56	9.89	12.09	14.29	6.59	0.38
63		5	2	5	0.52	8.79	25.27	35.16	14.29	13.19	3.30	0.48
90		5	2	5	0.50	4.40	24.18	42.86	18.68	4.40	5.49	0.46

Table 41. Multiple-Choice Item Analyses, Grade 4 MathematicsMean Item-Total Corr.: 0.42 Mean *p*-Value: 0.74

Item #	Session	CS	SA	Item-Total Corr.	Omit %	<i>p</i> -Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	<i>p</i> -Value
1	1	2	2	0.50	0.04	0.59	36	2	1	1	0.31	0.46	0.64
2	1	1		0.33	0.36	0.53	37	2	3		0.55	0.20	0.69
4	1	3		0.50	1.05	0.65	38	2	1		0.44	0.13	0.84
5	1	2	2	0.52	0.20	0.66	39	2	4/5		0.32	0.33	0.56
6	1	6		0.52	0.25	0.77	40	2	4/5		0.22	0.24	0.84
8	1	1	1	0.35	0.53	0.89	42	2	1	1	0.23	0.12	0.96
9	1	6		0.43	0.80	0.77	43	2	4/5		0.45	0.26	0.70
10	1	3		0.43	0.12	0.74	44	2	4/5		0.37	0.97	0.76
11	1	3		0.44	0.30	0.73	45	2	4/5		0.43	0.37	0.67
12	1	4/5		0.44	0.19	0.76	47	3	4/5	3	0.55	0.13	0.60
13	1	6		0.56	0.72	0.65	48	3	1	1	0.35	0.07	0.87
15	1	3		0.35	0.31	0.27	49	3	6		0.55	0.12	0.83
16	1	4/5		0.47	0.23	0.65	50	3	1		0.37	0.44	0.72
17	1	6		0.42	0.91	0.73	51	3	2		0.47	0.77	0.56
19	1	2	2	0.41	0.53	0.85	52	3	6		0.37	0.25	0.90
20	1	1	1	0.46	0.50	0.57	54	3	4/5	3	0.26	0.19	0.87
21	1	6		0.42	1.01	0.78	55	3	6	1	0.46	0.50	0.80
22	1	4/5	3	0.45	0.36	0.63	56	3	4/5		0.33	0.52	0.90
24	2	3		0.51	0.11	0.61	57	3	2	2	0.43	0.59	0.71
25	2	6		0.33	0.36	0.88	59	3	4/5	3	0.32	0.31	0.94
26	2	2	2	0.44	0.10	0.77	60	3	4/5		0.40	0.91	0.62
28	2	4/5		0.53	0.15	0.71	62	3	3		0.35	0.20	0.73
29	2	4/5	3	0.52	0.20	0.75	63	3	1		0.58	0.27	0.68
31	2	4/5	3	0.29	0.89	0.87	64	3	6		0.44	0.92	0.68
32	2	6		0.32	0.85	0.87	65	3	4/5		0.48	0.28	0.66
33	2	1	1	0.44	0.34	0.86	66	3	6		0.31	0.71	0.86
34	2	3		0.50	0.47	0.84	68	3	3		0.37	0.36	0.90

Table 42. Constructed-Response Item Analyses, Grade 4 MathematicsMean Item-Total Corr.: 0.58 Mean *p*-Value: 0.62

Item #	Part	Session	CS	SA	Item-Total	% Score	% Score	% Score	% Score	% Score	Omit %	<i>p</i> -Value
					Corr.	0	1	2	3	4		
3		1	4/5		0.54	15.28	22.97	61.42			0.33	0.73
7		1	1	1	0.42	0.85	3.52	17.10	78.39		0.14	0.91
14		1	4/5		0.40	2.75	13.76	42.01	41.38		0.11	0.74
18		1	3		0.65	17.36	24.32	58.12			0.19	0.70
23		1	6	1	0.66	7.23	33.39	23.45	20.95	14.63	0.35	0.50
27		2	6	1	0.67	13.61	18.33	28.91	39.02		0.13	0.64
30		2	2	2	0.52	46.56	24.97	27.96			0.50	0.40
35		2	1	1	0.67	35.94	38.81	24.88			0.37	0.44
41		2	4/5	3	0.47	6.95	18.67	74.26			0.12	0.84
46		2	2	2	0.60	13.70	9.80	12.40	9.38	54.44	0.28	0.70
53		3	1	1	0.63	22.48	11.35	64.76			1.41	0.70
58		3	3		0.64	22.15	19.78	21.72	36.05		0.30	0.57
61		3	2	2	0.62	23.70	25.68	50.33			0.29	0.63
67		3	1		0.52	57.44	23.26	7.46	11.40		0.43	0.24
69		3	4/5		0.60	15.75	17.58	21.67	13.94	30.79	0.26	0.56

Table 43. Multiple-Choice Item Analyses, Grade 5 Reading

Mean Item-Total Corr.: 0.39 Mean p-Value: 0.68

Item #	Session	CS	SA	Item-Total Corr.	Omit %	p-Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	p-Value
5	3	4	1/4	0.37	0.53	0.85	37	4	4	1/4	0.27	0.28	0.35
7	3	1	3	0.47	0.12	0.64	41	4	4	2	0.42	0.30	0.64
8	3	1	1/4	0.20	0.23	0.29	42	4	1	3	0.39	0.27	0.84
9	3	5		0.30	0.15	0.51	43	4	5		0.43	0.29	0.69
10	3	1	2	0.38	0.13	0.53	44	4	5		0.31	0.28	0.59
11	3	1	2	0.39	0.17	0.62	45	4	1	3	0.30	0.54	0.51
12	3	1	3	0.43	0.13	0.87	46	4	1	2	0.50	0.61	0.71
13	3	4	2	0.42	0.30	0.59	48	4	1	3	0.52	0.85	0.82
15	3	5		0.33	0.46	0.54	49	4	5		0.39	0.92	0.58
16	3	5		0.21	0.27	0.53	50	4	4	2	0.32	1.57	0.54
17	3	5		0.21	0.23	0.52	94	6	4	1/4	0.26	0.07	0.62
18	3	1	2	0.46	0.31	0.62	95	6	1	3	0.43	0.07	0.92
19	3	1	3	0.46	0.35	0.75	97	6	1	1/4	0.40	0.16	0.77
20	3	6	2	0.46	0.49	0.54	98	6	1	3	0.27	0.52	0.60
22	3	1	2	0.56	0.69	0.72	99	6	4	1/4	0.40	0.64	0.85
23	3	5		0.22	0.76	0.48	102	6	4	1/4	0.41	0.27	0.76
24	3	5		0.43	0.95	0.75	103	6	1	3	0.33	0.23	0.87
25	3	5		0.50	1.14	0.83	104	6	6	1/4	0.33	0.32	0.93
26	3	5		0.48	1.15	0.78	105	6	5		0.42	0.42	0.61
27	4	1	2	0.39	0.03	0.87	106	6	5		0.46	0.30	0.85
28	4	1	2	0.33	0.13	0.41	107	6	1	1/4	0.33	0.56	0.91
30	4	4	2	0.26	0.13	0.40	108	6	6	1/4	0.44	0.61	0.76
31	4	4	2	0.51	0.21	0.80	109	6	1	1/4	0.53	0.31	0.79
32	4	5		0.35	0.22	0.60	110	6	6	1/4	0.50	0.40	0.72
33	4	4	1/4	0.32	0.12	0.53	111	6	1	3	0.53	0.34	0.77
34	4	4	1/4	0.37	0.26	0.76	112	6	4	1/4	0.49	0.53	0.68
35	4	6	1/4	0.46	0.31	0.76	114	6	6	1/4	0.56	0.48	0.66
36	4	6	1/4	0.32	0.39	0.93	115	6	5		0.44	0.51	0.78

Table 44. Constructed-Response Item Analyses, Grade 5 ReadingMean Item-Total Corr.: 0.50 Mean *p*-Value: 0.45

Item #	Part	Session	CS	SA	Item-Total	% Score	% Score	% Score	% Score	% Score	Omit %	<i>p</i> -Value
					Corr.	0	1	2	3	4		
4		3	1	1/4	0.44	55.78	27.91	15.40			0.90	0.29
6		3	6	1/4	0.40	23.21	47.34	17.36	10.57		1.51	0.38
14		3	6	2	0.59	32.09	35.78	19.07	10.22		2.84	0.35
21		3	4	2	0.33	26.04	46.98	24.82			2.16	0.48
29		4	1	2	0.57	12.99	27.12	45.76	13.24		0.88	0.53
38		4	1	1/4	0.50	19.21	39.98	33.65	5.93		1.22	0.42
39		4	4	2	0.62	29.70	17.05	34.30	17.85		1.10	0.46
40		4	5		0.54	28.77	35.43	26.17	8.31		1.32	0.38
47		4	1	2	0.55	37.11	45.24	15.31			2.35	0.38
51		4	5		0.49	36.32	36.10	24.73			2.85	0.43
96		6	4	1/4	0.33	37.25	51.73	9.52			1.50	0.35
100		6	6	1/4	0.54	7.02	16.88	75.54			0.56	0.84
101		6	6	1/4	0.49	7.69	46.15	44.97			1.19	0.68
113		6	6	1/4	0.56	44.82	29.95	21.13	2.08		2.02	0.26

Table 45. Multiple-Choice Item Analyses, Grade 5 WritingMean Item-Total Corr.: 0.40 Mean *p*-Value: 0.72

Item #	Session	CS	SA	Item-Total Corr.	Omit %	<i>p</i> -Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	<i>p</i> -Value
52	5	3	8	0.43	0.04	0.74	73	5	2	8	0.49	0.58	0.74
53	5	3	8	0.43	0.10	0.69	74	5	3	8	0.51	0.85	0.82
54	5	3	8	0.37	0.34	0.65	75	5	3	8	0.41	0.62	0.89
55	5	2	7	0.45	0.07	0.74	76	5	2	7	0.18	0.69	0.38
56	5	3	8	0.36	0.49	0.77	77	5	2	5	0.48	0.78	0.84
57	5	3	8	0.44	0.61	0.90	78	5	3	8	0.36	0.71	0.67
58	5	3	8	0.28	1.11	0.45	79	5	2	5	0.22	0.77	0.49
59	5	3	8	0.41	0.29	0.67	80	5	3	7	0.51	0.87	0.73
60	5	3	8	0.49	0.60	0.82	81	5	3	7	0.47	1.60	0.74
61	5	2	7	0.40	0.30	0.83	82	5	2	5	0.39	0.96	0.62
62	5	3	7	0.37	0.72	0.85	83	5	3	7	0.31	1.06	0.41
63	5	3	8	0.42	0.23	0.87	84	5	3	7	0.45	1.51	0.86
64	5	2	5	0.36	0.26	0.56	85	5	3	7	0.49	1.42	0.71
65	5	2		0.40	0.18	0.81	86	5	2	5	0.34	1.06	0.66
66	5	2		0.27	0.20	0.92	87	5	3	7	0.51	1.27	0.74
67	5	3	7	0.47	0.36	0.72	88	5	3	7	0.38	1.60	0.60
68	5	3	7	0.40	0.60	0.64	89	5	3	7	0.42	1.47	0.91
70	5	2	5	0.43	0.33	0.73	90	5	3	7	0.41	1.67	0.66
71	5	2	5	0.23	0.40	0.58	91	5	2	5	0.38	1.69	0.60
72	5	2	8	0.50	0.42	0.83	92	5	3	7	0.46	2.04	0.86

Table 46. Constructed-Response Item Analyses, Grade 5 WritingMean Item-Total Corr.: 0.43 Mean *p*-Value: 0.74

Item #	Part	Session	CS	SA	Item-Total Corr.	% Score 0	% Score 1	% Score 2	% Score 3	% Score 4	Omit %	<i>p</i> -Value
1		1	2	6	0.11	1.03	98.97				0.00	0.99
2	A	2	3	8	0.36	21.66	78.17				0.17	0.78
2	B	2	3	7	0.32	9.47	90.37				0.17	0.90
2	C	2	3	7	0.20	2.62	97.20				0.18	0.97
2	D	2	3	7	0.47	39.62	60.20				0.18	0.60
2	E	2	3	8	0.45	53.81	46.02				0.17	0.46
2	F	2	3	8	0.48	28.77	71.04				0.19	0.71
3	A	2	2	6	0.60	2.14	3.81	38.91	37.70	17.32	0.12	0.66
3	B	2	2	6	0.62	0.58	6.18	39.65	36.01	17.45	0.12	0.66
3	C	2	3	6	0.46	0.78	8.78	90.33			0.12	0.95
69		5	2	5	0.50	0.27	3.54	25.91	53.51	15.90	0.87	0.70
93		5	2	5	0.46	0.42	5.79	35.52	43.30	11.38	3.59	0.63
116		5	2	5	0.55	0.60	4.93	32.07	43.89	17.17	1.35	0.67

Table 47. Multiple-Choice Item Analyses, Grade 5 MathematicsMean Item-Total Corr.: 0.39 Mean *p*-Value: 0.68

Item #	Session	CS	SA	Item-Total Corr.	Omit %	<i>p</i> -Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	<i>p</i> -Value
1	1	4/5	1	0.35	0.03	0.73	35	2	1	1	0.34	0.67	0.75
2	1	1	1	0.50	1.18	0.51	37	2	2	2	0.40	0.25	0.84
3	1	4/5		0.39	0.03	0.88	38	2	2		0.31	0.59	0.37
4	1	3		0.47	0.16	0.54	39	2	6		0.50	0.39	0.75
5	1	6		0.44	0.71	0.79	40	2	4/5		0.48	0.27	0.74
7	1	4/5		0.29	0.31	0.92	41	2	1		0.57	0.31	0.74
9	1	2		0.30	0.42	0.35	42	2	2	2	0.55	0.26	0.58
10	1	1	1	0.47	0.14	0.70	44	2	3	3	0.34	0.18	0.73
12	1	1	1	0.48	0.10	0.58	45	2	1		0.27	0.44	0.52
13	1	1		0.42	0.25	0.85	47	3	4/5		0.44	0.06	0.56
15	1	1	1	0.48	0.29	0.74	48	3	6		0.48	0.22	0.77
16	1	2		0.50	0.29	0.71	50	3	2	2	0.33	0.08	0.89
17	1	6		0.32	0.35	0.89	51	3	6		0.24	0.42	0.92
18	1	1	1	0.29	0.18	0.89	52	3	4/5		0.17	0.13	0.25
19	1	4/5		0.28	0.42	0.59	53	3	1		0.32	0.39	0.52
20	1	6		0.38	0.71	0.83	55	3	6		0.52	0.25	0.64
21	1	2		0.49	0.30	0.70	56	3	6		0.38	0.89	0.87
22	1	1	1	0.20	0.51	0.46	57	3	3		0.32	0.18	0.48
24	2	1	1	0.33	0.40	0.49	58	3	1	1	0.35	0.15	0.53
25	2	4/5		0.46	0.04	0.82	60	3	6		0.46	1.08	0.72
27	2	6		0.26	0.21	0.89	61	3	3		0.38	0.34	0.76
28	2	6		0.41	0.42	0.84	62	3	6	1	0.30	0.17	0.89
29	2	3		0.45	0.16	0.61	64	3	2	2	0.41	0.36	0.73
30	2	1	1	0.36	0.25	0.49	65	3	4/5		0.41	0.18	0.79
32	2	3		0.38	1.45	0.64	66	3	6		0.39	0.39	0.72
33	2	4/5		0.32	0.12	0.88	67	3	4/5		0.34	0.23	0.52
34	2	6		0.48	0.30	0.49	68	3	3	3	0.38	1.21	0.49

Table 48. Constructed-Response Item Analyses, Grade 5 MathematicsMean Item-Total Corr.: 0.61 Mean *p*-Value: 0.58

Item #	Part	Session	CS	SA	Item-Total	% Score	% Score	% Score	% Score	% Score	Omit %	<i>p</i> -Value
					Corr.	0	1	2	3	4		
6		1	2	2	0.64	9.26	17.20	28.52	44.94		0.08	0.70
8		1	2	2	0.56	13.31	17.23	69.25			0.21	0.78
11		1	6		0.67	36.58	23.92	19.99	19.04		0.46	0.40
14		1	1	1	0.54	5.85	21.92	46.17	25.82		0.24	0.64
23		1	2	2	0.62	8.53	17.00	37.76	25.05	11.15	0.51	0.53
26		2	2	2	0.58	36.18	22.27	41.31			0.25	0.52
31		2	3	3	0.60	15.91	17.06	23.04	43.84		0.15	0.65
36		2	4/5		0.52	19.99	38.21	41.30			0.50	0.60
43		2	4/5		0.68	50.91	12.99	17.94	17.72		0.44	0.34
46		2	3	3	0.70	8.83	13.91	31.79	23.95	21.29	0.23	0.59
49		3	6		0.63	38.27	12.54	48.93			0.25	0.55
54		3	1		0.65	44.18	12.84	42.60			0.39	0.49
59		3	3	3	0.53	17.74	32.85	49.02			0.39	0.65
63		3	3		0.60	11.88	25.79	36.75	25.40		0.19	0.58
69		3	4/5		0.63	14.25	14.41	19.55	13.99	37.69	0.11	0.62

Table 49. Multiple-Choice Item Analyses, Grade 5 ScienceMean Item-Total Corr.: 0.33 Mean *p*-Value: 0.62

Item #	Session	CS	SA	Item-Total Corr.	Omit %	<i>p</i> -Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	<i>p</i> -Value
1	1	1/5	1	0.16	0.02	0.79	39	2	3		0.37	0.40	0.48
2	1	4		0.32	0.04	0.66	40	2	2		0.37	0.27	0.80
3	1	3		0.29	0.12	0.78	41	2	3		0.37	0.17	0.76
4	1	1/5	1	0.48	0.03	0.85	43	2	1/5		0.42	0.13	0.71
5	1	1/5		0.33	0.05	0.59	44	2	1/5	1	0.58	0.40	0.68
6	1	4		0.29	0.09	0.53	46	2	3		0.32	0.14	0.68
7	1	3		0.47	0.18	0.60	48	2	4		0.12	0.14	0.84
8	1	1/5	1	0.51	0.11	0.79	49	2	3		0.21	0.33	0.85
10	1	2		0.32	0.07	0.83	50	2	1/5	1	0.48	0.66	0.54
11	1	1/5	1	0.19	0.55	0.53	51	3	4		0.31	0.03	0.87
12	1	1/5	1	0.35	0.36	0.27	52	3	2		0.25	0.07	0.82
13	1	3		0.18	0.15	0.62	53	3	4		0.45	0.07	0.69
14	1	4		0.20	0.23	0.26	55	3	4		0.31	0.39	0.61
15	1	1/5	2	0.35	0.10	0.68	56	3	1/5	2	0.44	0.11	0.77
16	1	1/5	1	0.34	0.11	0.38	57	3	3		0.26	0.27	0.31
17	1	1/5		0.51	0.15	0.65	58	3	3		0.38	0.70	0.76
18	1	4		0.46	0.20	0.85	60	3	2		0.19	0.22	0.35
19	1	3		0.29	0.28	0.36	61	3	4		0.41	0.91	0.70
20	1	4		0.16	0.09	0.45	63	3	1/5	1	0.42	0.15	0.64
26	2	4		0.39	0.04	0.55	64	3	1/5	1	0.37	0.32	0.49
27	2	2		0.34	0.06	0.86	66	3	1/5	1	0.41	0.28	0.64
28	2	4		0.29	0.85	0.58	67	3	2		0.34	0.15	0.61
29	2	3		0.36	1.42	0.58	68	3	2		0.28	0.27	0.29
30	2	2		0.36	0.09	0.80	69	3	2		0.30	0.19	0.71
32	2	1/5		0.40	0.14	0.61	71	3	2		0.36	0.22	0.47
33	2	2		0.29	0.13	0.61	72	3	3		0.26	0.50	0.33
34	2	1/5	1	0.18	0.39	0.39	73	3	1/5	2	0.19	0.20	0.32
36	2	1/5	2	0.29	0.12	0.48	74	3	2		0.37	0.24	0.79
37	2	4		0.36	0.24	0.63							

Table 50. Constructed-Response Item Analyses, Grade 5 ScienceMean Item-Total Corr.: 0.47 Mean *p*-Value: 0.54

Item #	Part	Session	CS	SA	Item-Total	% Score	% Score	% Score	% Score	% Score	Omit %	<i>p</i> -Value
					Corr.	0	1	2	3	4		
9		1	2		0.31	50.22	38.36	11.12			0.30	0.30
21		1	1/5	1	0.18	19.89	80.01				0.10	0.80
22		1	1/5	1	0.41	48.05	51.46				0.49	0.51
23		1	1/5	1	0.53	23.23	43.74	32.46			0.56	0.54
24		1	1/5	2	0.57	20.66	40.81	38.10			0.43	0.59
25		1	1/5	2	0.42	33.64	65.79				0.57	0.66
31		2	3		0.55	23.04	38.70	37.61			0.66	0.57
35		2	3		0.48	62.57	27.77	8.48			1.19	0.22
38		2	1/5		0.34	41.35	57.96				0.69	0.58
42		2	1/5	1	0.55	17.20	26.49	55.77			0.54	0.69
45		2	2		0.50	31.81	44.72	23.18			0.29	0.46
47		2	4		0.40	21.13	28.80	49.62			0.45	0.64
54		3	1/5	1	0.58	42.44	10.32	46.65			0.59	0.52
59		3	4		0.47	30.66	38.74	30.20			0.41	0.50
62		3	2		0.60	20.12	35.10	44.38			0.39	0.62
65		3	1/5	1	0.53	63.34	35.86				0.81	0.36
70		3	3		0.50	35.09	38.33	25.66			0.92	0.45
75		3	1/5	2	0.47	10.63	30.07	58.88			0.42	0.74

Table 51. Multiple-Choice Item Analyses, Grade 6 ReadingMean Item-Total Corr.: 0.40 Mean *p*-Value: 0.72

Item #	Session	CS	SA	Item-Total Corr.	Omit %	<i>p</i> -Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	<i>p</i> -Value
5	3	4	1/4	0.36	0.56	0.88	40	4	4	1/4	0.42	0.47	0.79
7	3	1	3	0.49	0.11	0.72	41	4	5		0.35	0.53	0.61
8	3	1	1/4	0.23	0.19	0.32	42	4	1	2	0.16	0.46	0.35
9	3	6	1/4	0.21	0.26	0.57	43	4	5		0.30	0.70	0.68
10	3	5		0.32	0.09	0.57	44	4	5		0.31	0.64	0.60
13	3	1	2	0.38	0.39	0.54	45	4	6	2	0.25	0.78	0.32
14	3	1	2	0.42	1.11	0.60	48	4	5		0.34	2.63	0.68
15	3	1	2	0.47	0.23	0.77	49	4	5		0.36	2.23	0.62
16	3	1	3	0.34	0.34	0.80	50	4	5		0.31	2.37	0.50
17	3	1	3	0.37	0.47	0.91	51	4	5		0.35	2.47	0.73
19	3	1	1/4	0.47	0.53	0.82	52	4	1	2	0.39	2.71	0.50
20	3	4	1/4	0.36	0.45	0.80	95	6	1	3	0.37	0.04	0.61
21	3	1	1/4	0.36	0.60	0.84	96	6	1	3	0.44	0.12	0.69
22	3	1	1/4	0.38	0.57	0.61	97	6	6	1/4	0.38	0.10	0.94
24	3	5		0.57	1.12	0.67	98	6	4	1/4	0.35	0.27	0.84
25	3	1	3	0.44	1.18	0.92	100	6	6	1/4	0.49	0.08	0.80
26	4	6	1/4	0.52	0.12	0.75	101	6	1	3	0.50	0.09	0.84
27	4	5		0.35	0.13	0.67	102	6	4	1/4	0.50	0.21	0.79
29	4	1	1/4	0.44	0.42	0.71	104	6	6	1/4	0.55	0.38	0.76
30	4	1	1/4	0.41	0.29	0.88	105	6	5		0.43	0.20	0.80
31	4	5		0.29	0.26	0.71	108	6	1	2	0.44	0.29	0.80
33	4	1	1/4	0.44	0.19	0.83	109	6	4	2	0.42	0.50	0.59
34	4	1	3	0.28	0.47	0.60	110	6	1	2	0.56	0.66	0.74
35	4	1	1/4	0.52	0.24	0.85	111	6	1	3	0.36	0.24	0.63
36	4	6	1/4	0.50	0.29	0.75	112	6	1	3	0.45	0.23	0.91
37	4	5		0.43	0.35	0.83	113	6	5		0.41	0.16	0.84
38	4	1	1/4	0.45	0.28	0.78	114	6	5		0.52	0.15	0.88
39	4	4	1/4	0.54	0.40	0.84	115	6	5		0.47	0.15	0.90

Table 52. Constructed-Response Item Analyses, Grade 6 ReadingMean Item-Total Corr.: 0.49 Mean *p*-Value: 0.47

Item #	Part	Session	CS	SA	Item-Total	% Score	% Score	% Score	% Score	% Score	Omit %	<i>p</i> -Value
					Corr.	0	1	2	3	4		
4		3	1	1/4	0.43	48.77	31.43	18.76			1.03	0.34
6		3	6	1/4	0.40	18.49	43.27	19.88	16.48		1.88	0.44
11		3	4	2	0.44	32.16	19.99	24.80	22.24		0.81	0.45
12		3	4	2	0.51	16.09	3.78	26.30	53.21		0.61	0.72
18		3	6	1/4	0.52	21.13	40.48	36.94			1.45	0.57
23		3	6	1/4	0.49	38.59	30.85	27.96			2.61	0.43
28		4	4	1/4	0.62	24.39	24.58	37.84	12.13		1.06	0.46
32		4	1	1/4	0.56	22.52	35.84	21.01	19.28		1.36	0.45
46		4	5		0.54	9.56	24.13	63.77			2.54	0.76
47		4	5		0.42	41.06	30.36	23.66			4.92	0.39
99		6	6	1/4	0.48	16.12	44.21	31.66	7.22		0.79	0.43
103		6	6	1/4	0.57	34.85	33.26	29.03	1.57		1.28	0.32
106		6	4	2	0.54	41.81	30.33	25.67			2.19	0.41
107		6	4	2	0.39	18.52	69.00	11.04			1.44	0.46

Table 53. Multiple-Choice Item Analyses, Grade 6 WritingMean Item-Total Corr.: 0.39 Mean *p*-Value: 0.69

Item #	Session	CS	SA	Item-Total Corr.	Omit %	p-Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	p-Value
53	5	3	7	0.42	0.10	0.82	74	5	3	7	0.52	0.51	0.76
54	5	2	8	0.38	0.11	0.92	75	5	3	8	0.48	0.57	0.89
55	5	2	8	0.43	0.08	0.85	76	5	3	7	0.44	0.82	0.74
56	5	3	7	0.40	0.32	0.77	77	5	3	7	0.33	0.57	0.58
57	5	2	5	0.39	0.23	0.72	78	5	3	7	0.31	1.36	0.64
58	5	2	5	0.46	0.23	0.83	79	5	3	7	0.33	0.91	0.49
59	5	3	7	0.46	0.61	0.74	80	5	3	7	0.23	1.28	0.69
60	5	2	5	0.29	0.33	0.44	81	5	3	7	0.37	1.44	0.52
61	5	3	7	0.47	0.37	0.78	82	5	2	8	0.39	0.94	0.71
62	5	3	7	0.38	0.50	0.88	83	5	2	5	0.30	0.96	0.42
63	5	2	5	0.42	0.40	0.90	84	5	3	8	0.33	1.39	0.58
64	5	3	7	0.36	0.73	0.67	85	5	2	5	0.22	1.17	0.61
65	5	3	7	0.41	0.43	0.63	86	5	3	8	0.49	1.34	0.85
66	5	3	7	0.48	0.71	0.82	87	5	2	5	0.37	1.33	0.60
67	5	3	7	0.27	0.63	0.43	88	5	2	5	0.41	1.68	0.60
68	5	3	7	0.46	0.52	0.83	89	5	2	5	0.32	1.46	0.61
69	5	2	5	0.22	0.46	0.48	90	5	3	7	0.50	1.86	0.77
70	5	2	7	0.25	0.36	0.43	91	5	3	7	0.49	1.92	0.63
71	5	3	8	0.49	0.52	0.85	92	5	3	7	0.47	2.35	0.68
72	5	3	7	0.50	0.64	0.80	93	5	2	7	0.44	2.14	0.55

Table 54. Constructed-Response Item Analyses, Grade 6 WritingMean Item-Total Corr.: 0.41 Mean *p*-Value: 0.63

Item #	Part	Session	CS	SA	Item-Total Corr.	% Score 0	% Score 1	% Score 2	% Score 3	% Score 4	Omit %	<i>p</i> -Value
1		1	2	6	0.11	0.69	99.31				0.00	0.99
2	A	2	3	7	0.31	84.57	15.32				0.11	0.15
2	B	2	3	8	0.26	31.17	68.73				0.10	0.69
2	C	2	3	8	0.43	23.92	75.98				0.10	0.76
2	D	2	3	8	0.35	61.32	38.58				0.10	0.39
2	E	2	3	7	0.52	38.48	61.42				0.10	0.61
2	F	2	3	8	0.17	90.73	9.17				0.10	0.09
3	A	2	2	6	0.58	0.92	1.51	19.97	42.21	35.21	0.17	0.77
3	B	2	2	6	0.63	0.50	3.38	23.03	38.93	33.98	0.17	0.76
3	C	2	3	6	0.42	1.21	6.64	91.98			0.17	0.95
73		5	2	5	0.50	0.18	2.88	25.61	50.84	19.28	1.21	0.71
94		5	2	5	0.46	0.56	4.00	40.02	40.64	9.85	4.93	0.61
116		5	2	5	0.54	0.61	4.92	29.06	45.13	19.27	1.01	0.69

Table 55. Multiple-Choice Item Analyses, Grade 6 MathematicsMean Item-Total Corr.: 0.40 Mean *p*-Value: 0.59

Item #	Session	CS	SA	Item-Total Corr.	Omit %	<i>p</i> -Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	<i>p</i> -Value
1	1	1		0.41	0.18	0.63	31	2	3		0.44	0.12	0.70
2	1	2		0.36	0.09	0.90	32	2	3		0.51	0.30	0.62
3	1	2		0.45	0.24	0.57	34	2	1		0.30	0.23	0.58
5	1	1		0.33	0.13	0.49	35	2	2	2	0.41	0.37	0.32
6	1	6		0.35	0.71	0.85	37	2	4/5		0.28	0.48	0.86
7	1	1	1	0.40	0.16	0.57	38	2	2	2	0.37	0.30	0.59
8	1	6	1	0.30	0.15	0.59	39	2	6		0.41	0.71	0.77
9	1	4/5		0.37	0.12	0.80	41	3	4/5		0.47	0.07	0.61
10	1	6	1	0.53	0.24	0.62	42	3	4/5	3	0.17	0.13	0.55
12	1	2	2	0.39	0.50	0.51	43	3	1		0.46	0.15	0.39
14	1	4/5		0.45	0.24	0.44	44	3	6		0.43	0.32	0.62
15	1	6		0.49	0.59	0.40	45	3	1	1	0.34	0.30	0.48
16	1	3		0.34	0.36	0.57	47	3	1	1	0.52	0.19	0.67
18	1	4/5	3	0.46	0.63	0.25	48	3	4/5		0.39	0.15	0.51
19	1	1		0.61	0.49	0.55	49	3	6		0.61	0.83	0.51
21	2	4/5	3	0.46	0.07	0.66	50	3	1		0.55	0.46	0.53
22	2	6		0.44	0.24	0.83	52	3	6		0.35	0.91	0.89
24	2	3		0.43	1.42	0.59	54	3	4/5		0.26	0.17	0.59
25	2	3		0.46	0.09	0.74	55	3	4/5	3	0.33	0.26	0.58
26	2	2	2	0.45	0.16	0.53	56	3	2	2	0.38	0.36	0.46
28	2	1		0.24	0.98	0.43	58	3	4/5		0.29	0.37	0.46
29	2	4/5	3	0.13	0.38	0.31	59	3	3		0.39	0.33	0.64
30	2	3		0.46	0.32	0.63							

Table 56. Constructed-Response Item Analyses, Grade 6 MathematicsMean Item-Total Corr.: 0.58 Mean *p*-Value: 0.55

Item #	Part	Session	CS	SA	Item-Total	% Score	% Score	% Score	% Score	% Score	Omit %	<i>p</i> -Value
					Corr.	0	1	2	3	4		
4		1	4/5	3	0.54	38.16	46.47	15.16			0.21	0.38
11		1	3		0.49	3.29	11.01	30.00	55.26		0.43	0.79
13		1	4/5	3	0.60	60.08	17.90	21.39			0.63	0.30
17		1	1	1	0.68	19.79	26.87	35.15	15.77		2.42	0.48
20		1	2	2	0.67	5.32	12.22	20.24	49.79	11.77	0.66	0.62
23		2	3		0.40	5.24	29.85	64.77			0.14	0.80
27		2	4/5	3	0.69	47.16	25.12	16.41	10.77		0.54	0.30
33		2	6	1	0.52	27.36	22.60	49.77			0.27	0.61
36		2	2	2	0.51	7.89	13.32	17.97	60.36		0.47	0.77
40		2	3		0.56	18.63	47.16	22.16	6.70	4.87	0.48	0.33
46		3	3		0.46	13.85	39.32	46.49			0.35	0.66
51		3	4/5		0.71	46.25	12.65	20.26	19.50		1.34	0.37
53		3	2	2	0.58	7.87	16.78	27.27	47.82		0.26	0.72
57		3	6	1	0.62	32.55	10.33	56.67			0.44	0.62
60		3	1	1	0.72	18.98	16.08	18.57	22.93	22.92	0.53	0.53

Table 57. Multiple-Choice Item Analyses, Grade 7 ReadingMean Item-Total Corr.: 0.37 Mean *p*-Value: 0.71

Item #	Session	CS	SA	Item-Total Corr.	Omit %	<i>p</i> -Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	<i>p</i> -Value
4	3	1	3	0.41	0.06	0.70	39	4	6	4	0.34	0.32	0.82
5	3	4	1	0.20	0.12	0.41	40	4	6	4	0.31	0.23	0.63
6	3	6	1	0.50	0.11	0.81	41	4	5		0.39	0.20	0.71
7	3	5		0.31	0.15	0.72	43	4	5		0.49	0.51	0.78
9	3	5		0.41	0.08	0.82	45	4	5		0.50	0.31	0.75
10	3	1	1	0.43	0.20	0.79	46	4	4	2	0.47	0.47	0.87
11	3	1	1	0.39	0.54	0.91	48	4	1	3	0.49	0.40	0.85
12	3	5		0.25	0.14	0.73	49	4	4	2	0.23	0.80	0.62
15	3	6	1	0.32	0.20	0.74	50	4	1	3	0.12	0.51	0.34
16	3	1	1	0.48	0.21	0.82	51	4	5		0.43	0.54	0.77
17	3	1	3	0.49	0.22	0.91	94	6	1	3	0.47	0.05	0.89
18	3	5		0.46	0.18	0.90	95	6	4	2	0.41	0.11	0.82
21	3	4	4	0.48	0.49	0.75	96	6	5		0.27	0.07	0.85
22	3	6	4	0.27	0.58	0.57	98	6	5		0.33	0.52	0.61
23	3	6	4	0.35	0.54	0.67	99	6	1	2	0.26	0.20	0.50
24	3	6	4	0.10	0.61	0.52	100	6	4	2	0.26	0.38	0.60
26	3	6	4	0.27	4.01	0.35	101	6	1	2	0.50	0.36	0.73
27	3	4	4	0.47	3.99	0.81	102	6	1	3	0.47	0.31	0.81
28	3	4	4	0.28	4.02	0.57	103	6	4	2	0.45	0.20	0.70
29	4	1	3	0.30	0.05	0.83	104	6	1	2	0.38	0.49	0.60
30	4	6	1	0.34	0.08	0.76	105	6	4	2	0.36	0.43	0.83
31	4	6	1	0.41	0.17	0.68	107	6	6	2	0.17	0.33	0.51
33	4	5		0.37	0.14	0.76	108	6	1	3	0.27	0.27	0.53
34	4	6	1	0.22	0.24	0.39	109	6	5		0.41	0.29	0.82
35	4	6	1	0.41	0.33	0.48	112	6	1	2	0.42	0.70	0.82
36	4	6	1	0.35	0.33	0.71	113	6	4	2	0.42	0.31	0.61
37	4	6	4	0.42	0.12	0.65	114	6	1	3	0.41	0.38	0.69
38	4	6	4	0.41	0.15	0.89	115	6	1	3	0.46	0.46	0.91

Table 58. Constructed-Response Item Analyses, Grade 7 ReadingMean Item-Total Corr.: 0.52 Mean *p*-Value: 0.56

Item #	Part	Session	CS	SA	Item-Total	% Score	% Score	% Score	% Score	% Score	Omit %	<i>p</i> -Value
					Corr.	0	1	2	3	4		
8		3	4	1	0.59	19.14	21.28	43.30	15.43		0.85	0.51
13		3	1	1	0.61	15.55	11.02	19.42	52.51		1.50	0.69
14		3	1	1	0.40	8.03	21.99	68.87			1.11	0.80
19		3	5		0.52	13.08	16.31	67.89			2.72	0.76
20		3	5		0.55	9.43	29.40	36.89	23.00		1.28	0.57
25		3	6	4	0.50	9.43	57.51	18.17	8.98	3.36	2.55	0.34
32		4	4	1	0.58	34.96	36.45	26.60			1.98	0.45
42		4	1	4	0.60	12.10	12.47	26.97	46.85		1.60	0.69
44		4	1	2	0.38	38.63	50.65	8.03			2.70	0.33
47		4	1	2	0.45	17.35	50.76	29.51			2.38	0.55
97		6	5		0.44	16.62	19.17	33.79	27.17		3.25	0.56
106		6	1	2	0.65	20.94	45.45	31.48			2.13	0.54
110		6	4	2	0.57	29.57	36.78	31.10			2.55	0.49
111		6	4	2	0.40	12.29	68.24	17.59			1.88	0.52

Table 59. Multiple-Choice Item Analyses, Grade 7 WritingMean Item-Total Corr.: 0.41 Mean *p*-Value: 0.74

Item #	Session	CS	SA	Item-Total Corr.	Omit %	<i>p</i> -Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	<i>p</i> -Value
52	5	3	7	0.39	0.09	0.86	73	5	3	7	0.49	0.69	0.73
53	5	3	7	0.29	0.21	0.81	74	5	2	5	0.33	0.39	0.68
54	5	3	7	0.23	0.32	0.65	75	5	3	7	0.51	0.61	0.72
55	5	2	5	0.30	0.11	0.75	76	5	3	7	0.30	1.42	0.52
56	5	3	7	0.34	0.55	0.73	77	5	3	7	0.53	0.61	0.67
57	5	2	5	0.32	0.17	0.72	78	5	3	7	0.47	0.42	0.91
58	5	3	7	0.42	0.65	0.88	79	5	3	8	0.38	0.50	0.65
59	5	3	7	0.40	0.25	0.78	80	5	3	8	0.51	0.55	0.88
60	5	3	7	0.44	0.56	0.72	81	5	2	5	0.36	0.66	0.61
61	5	3	8	0.45	0.38	0.79	82	5	2	5	0.48	0.63	0.76
62	5	2	8	0.20	0.43	0.82	83	5	3	7	0.53	0.74	0.79
63	5	2	5	0.38	0.23	0.76	84	5	2	5	0.56	0.59	0.77
64	5	2	5	0.24	0.26	0.54	85	5	2		0.47	0.86	0.80
65	5	3	8	0.39	1.14	0.75	86	5	2	5	0.45	0.81	0.73
66	5	2	7	0.34	0.32	0.85	87	5	3	7	0.42	0.93	0.74
67	5	2	7	0.49	0.32	0.84	88	5	3	7	0.56	1.11	0.81
68	5	2	5	0.24	0.19	0.64	89	5	3	8	0.53	1.80	0.83
69	5	3	7	0.51	1.58	0.74	90	5	3	8	0.19	1.14	0.27
71	5	3	7	0.45	0.24	0.83	91	5	2		0.47	1.10	0.70
72	5	3	7	0.48	0.52	0.83	92	5	3	7	0.57	1.18	0.71

Table 60. Constructed-Response Item Analyses, Grade 7 WritingMean Item-Total Corr.: 0.39 Mean *p*-Value: 0.68

Item #	Part	Session	CS	SA	Item-Total	% Score	% Score	% Score	% Score	% Score	Omit %	<i>p</i> -Value
					Corr.	0	1	2	3	4		
1		1	2	6	0.11	0.83	99.17				0.00	0.99
2	A	2	3	7	0.31	7.70	92.21				0.09	0.92
2	B	2	3	7	0.37	12.58	87.33				0.08	0.87
2	C	2	3	8	0.37	54.71	45.20				0.09	0.45
2	D	2	3	8	0.30	78.94	20.95				0.11	0.21
2	E	2	3	7	0.19	9.06	90.83				0.11	0.91
2	F	2	3	8	0.31	54.71	45.20				0.09	0.45
3	A	2	2	6	0.58	10.80	10.53	35.63	33.81	9.12	0.11	0.55
3	B	2	2	6	0.60	0.11	9.05	44.79	36.46	9.46	0.12	0.61
3	C	2	3	6	0.47	0.20	11.74	87.94			0.12	0.94
70		5	2	5	0.49	0.26	4.15	40.60	46.62	7.28	1.09	0.64
93		5	2	5	0.51	0.25	4.97	37.25	42.19	11.78	3.56	0.63
116		5	2	5	0.50	0.20	4.25	46.53	39.49	8.44	1.10	0.62

Table 61. Multiple-Choice Item Analyses, Grade 7 MathematicsMean Item-Total Corr.: 0.39 Mean *p*-Value: 0.51

Item #	Session	CS	SA	Item-Total Corr.	Omit %	<i>p</i> -Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	<i>p</i> -Value
1	1	2		0.48	0.23	0.51	32	2	3		0.46	0.35	0.45
2	1	4/5		0.51	0.21	0.65	33	2	2		0.45	0.63	0.37
4	1	1/6	1	0.45	0.22	0.60	35	2	2		0.48	0.32	0.46
5	1	1/6		0.35	0.22	0.51	36	2	4/5		0.36	0.17	0.41
7	1	3		0.39	0.28	0.76	37	2	1/6		0.44	0.19	0.58
8	1	1/6	1	0.43	0.27	0.70	38	2	4/5	2	0.14	0.35	0.47
9	1	2		0.18	0.30	0.34	39	2	2		0.56	0.27	0.41
10	1	4/5		0.51	0.26	0.51	41	3	2		0.30	0.06	0.55
12	1	3		0.43	0.22	0.59	42	3	1/6		0.42	0.10	0.68
13	1	4/5		0.24	0.29	0.27	44	3	1/6		0.47	0.38	0.55
14	1	4/5		0.23	0.55	0.38	45	3	1/6		0.35	0.23	0.53
16	1	4/5		0.41	0.56	0.44	46	3	2		0.28	0.38	0.28
17	1	3		0.39	0.60	0.64	47	3	1/6		0.45	0.47	0.47
18	1	4/5	2	0.46	0.79	0.38	49	3	3		0.46	0.27	0.78
19	1	1/6	1	0.44	1.01	0.53	50	3	1/6		0.29	0.48	0.66
21	2	3		0.36	0.10	0.48	52	3	3		0.29	0.33	0.49
22	2	1/6		0.27	0.28	0.48	53	3	4/5		0.34	0.42	0.53
24	2	3		0.49	0.24	0.61	54	3	1/6	1	0.48	0.65	0.44
25	2	1/6		0.45	0.24	0.37	55	3	4/5		0.45	0.66	0.57
27	2	4/5	2	0.60	0.24	0.38	57	3	2		0.32	0.17	0.31
28	2	2		0.46	0.49	0.54	58	3	4/5		0.51	0.44	0.60
29	2	1/6	1	0.35	0.32	0.39	59	3	3		0.21	0.49	0.28
31	2	1/6		0.26	2.19	0.87							

Table 62. Constructed-Response Item Analyses, Grade 7 MathematicsMean Item-Total Corr.: 0.56 Mean *p*-Value: 0.44

Item #	Part	Session	CS	SA	Item-Total	% Score	% Score	% Score	% Score	% Score	Omit %	<i>p</i> -Value
					Corr.	0	1	2	3	4		
3		1	1/6	1	0.43	70.41	22.07	5.51			2.01	0.17
6		1	2		0.64	8.17	16.22	42.21	33.28		0.12	0.67
11		1	4/5	2	0.45	50.71	36.97	9.97			2.35	0.28
15		1	4/5	2	0.71	31.23	28.00	21.18	18.78		0.81	0.42
20		1	1/6	1	0.68	28.98	36.85	14.76	7.08	9.56	2.78	0.31
23		2	4/5	2	0.60	67.96	9.34	21.29			1.42	0.26
26		2	2		0.42	5.32	9.93	14.13	70.36		0.27	0.83
30		2	1/6		0.44	27.05	19.69	52.69			0.57	0.63
34		2	3		0.70	23.85	26.27	29.52	20.14		0.22	0.49
40		2	4/5	2	0.73	58.47	9.19	9.16	5.90	16.78	0.50	0.28
43		3	2		0.65	62.69	12.53	22.94			1.85	0.29
48		3	1/6		0.60	5.15	10.91	44.57	38.98		0.39	0.72
51		3	3		0.31	12.81	53.37	33.28			0.54	0.60
56		3	4/5	2	0.52	24.70	43.61	24.89	6.03		0.78	0.37
60		3	3		0.57	28.48	25.15	23.59	18.17	2.75	1.85	0.34

Table 63. Multiple-Choice Item Analyses, Grade 8 ReadingMean Item-Total Corr.: 0.35 Mean *p*-Value: 0.68

Item #	Session	CS	SA	Item-Total Corr.	Omit %	<i>p</i> -Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	<i>p</i> -Value
4	3	1	3	0.21	0.11	0.81	39	4	5		0.36	0.07	0.79
5	3	6	1	0.37	0.06	0.87	40	4	6	1	0.27	0.25	0.42
7	3	1	3	0.41	0.08	0.68	41	4	6	1	0.48	0.25	0.57
8	3	5		0.36	0.11	0.76	42	4	1	3	0.41	0.06	0.87
9	3	1	1	0.41	0.38	0.64	43	4	4	2	0.17	0.28	0.58
11	3	6	1	0.44	0.13	0.90	45	4	1	3	0.43	0.23	0.90
12	3	1	1	0.25	0.15	0.80	47	4	5		0.39	0.31	0.79
13	3	4	1	0.23	0.30	0.76	49	4	1	3	0.23	0.48	0.38
14	3	1	3	0.44	0.17	0.81	50	4	4	4	0.48	0.32	0.75
15	3	1	3	0.47	0.22	0.75	51	4	4	4	0.22	0.48	0.52
16	3	1	1	0.42	0.24	0.83	52	4	1	4	0.45	0.39	0.71
17	3	4	1	0.31	0.25	0.37	53	4	4	4	0.38	0.86	0.63
18	3	4	1	0.33	0.37	0.76	55	4	6	4	0.22	0.68	0.42
22	3	1	2	0.31	2.19	0.83	56	4	6	4	0.41	0.61	0.53
23	3	4	2	0.28	2.35	0.37	99	6	5		0.33	0.08	0.61
24	3	4	2	0.26	2.47	0.60	100	6	5		0.12	0.10	0.56
25	3	4	2	0.44	2.68	0.77	101	6	5		0.35	0.16	0.52
26	3	1	2	0.44	3.02	0.85	103	6	6	2	0.25	0.10	0.75
27	3	1	3	0.50	3.90	0.73	104	6	1	2	0.41	0.26	0.75
28	3	6	4	0.33	4.13	0.52	105	6	5		0.19	0.14	0.42
29	3	1	3	0.37	4.52	0.49	106	6	1	3	0.43	0.21	0.88
31	3	1	4	0.47	6.55	0.78	107	6	5		0.25	0.33	0.66
32	3	5		0.37	6.66	0.75	109	6	5		0.29	1.04	0.50
33	3	4	4	0.50	7.22	0.70	111	6	4	2	0.37	0.42	0.68
34	3	6	4	0.41	7.25	0.61	112	6	4	2	0.37	0.55	0.72
35	4	1	3	0.28	0.04	0.86	113	6	1	3	0.49	0.37	0.81
36	4	6	1	0.32	0.07	0.77	114	6	5		0.32	0.54	0.62
37	4	6	1	0.41	0.26	0.70	115	6	5		0.44	0.56	0.68

Table 64. Constructed-Response Item Analyses, Grade 8 ReadingMean Item-Total Corr.: 0.49 Mean *p*-Value: 0.53

Item #	Part	Session	CS	SA	Item-Total	% Score	% Score	% Score	% Score	% Score	Omit %	<i>p</i> -Value
					Corr.	0	1	2	3	4		
6		3	1	1	0.46	15.76	35.21	47.96			1.07	0.66
10		3	6	1	0.55	11.22	35.56	35.79	14.06		3.37	0.50
19		3	5		0.54	12.31	34.92	48.84			3.93	0.66
20		3	1	2	0.49	13.32	40.55	29.31	13.27		3.56	0.46
21		3	1	2	0.46	4.50	14.75	76.60			4.14	0.84
30		3	6	4	0.61	17.20	39.57	23.70	9.03		10.51	0.38
38		4	4	1	0.58	28.48	38.27	31.10			2.15	0.50
44		4	1	2	0.35	36.60	52.61	8.49			2.30	0.35
46		4	4	2	0.56	17.50	48.53	21.90	10.08		1.99	0.41
48		4	1	2	0.43	12.69	49.47	35.23			2.60	0.60
54		4	6	4	0.44	50.59	32.14	8.15	5.15		3.97	0.21
102		6	4	2	0.36	18.00	48.83	21.61	9.32		2.24	0.40
108		6	5		0.41	9.60	18.45	65.70			6.25	0.75
110		6	5		0.60	12.45	15.33	26.56	41.46		4.20	0.64

Table 65. Multiple-Choice Item Analyses, Grade 8 WritingMean Item-Total Corr.: 0.38 Mean *p*-Value: 0.71

Item #	Session	CS	SA	Item-Total Corr.	Omit %	<i>p</i> -Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	<i>p</i> -Value
57	5	2		0.44	0.08	0.72	78	5	3	7	0.39	0.29	0.60
58	5	3	8	0.45	0.12	0.76	79	5	3	8	0.37	0.28	0.39
59	5	2		0.10	0.48	0.90	80	5	2		0.38	0.19	0.90
60	5	3	7	0.33	0.10	0.93	81	5	2	5	0.28	0.42	0.38
61	5	2		0.42	0.21	0.71	82	5	2	7	0.36	0.31	0.53
62	5	3	7	0.31	0.22	0.81	83	5	2		0.38	0.66	0.64
63	5	3	7	0.38	0.47	0.67	84	5	3	7	0.33	0.34	0.72
64	5	3	7	0.24	0.54	0.53	85	5	3	7	0.51	0.69	0.78
65	5	3	7	0.36	0.53	0.63	86	5	3	7	0.38	1.05	0.61
66	5	3	7	0.38	0.28	0.85	87	5	3	7	0.51	0.56	0.71
67	5	3	8	0.35	0.26	0.62	88	5	3	8	0.51	0.66	0.86
68	5	2	5	0.35	0.25	0.74	89	5	3	7	0.51	0.59	0.70
69	5	2	7	0.33	0.17	0.48	90	5	2	5	0.26	0.53	0.38
70	5	3	8	0.42	0.28	0.77	91	5	2		0.31	0.43	0.48
71	5	3	7	0.46	0.34	0.89	92	5	2	7	0.51	0.45	0.81
72	5	3	8	0.12	0.31	0.68	93	5	3	7	0.51	0.64	0.84
73	5	3	8	0.36	0.26	0.80	94	5	3	7	0.51	0.66	0.71
74	5	3	8	0.40	0.46	0.78	95	5	3	7	0.52	0.62	0.86
76	5	3	7	0.38	0.22	0.94	96	5	2	5	0.49	0.72	0.69
77	5	2	5	0.34	0.27	0.92	97	5	2	5	0.42	0.69	0.70

Table 66. Constructed-Response Item Analyses, Grade 8 WritingMean Item-Total Corr.: 0.41 Mean *p*-Value: 0.74

Item #	Part	Session	CS	SA	Item-Total	% Score	% Score	% Score	% Score	% Score	Omit %	<i>p</i> -Value
					Corr.	0	1	2	3	4		
1		1	2	6	0.10	0.77	99.23				0.00	0.99
2	A	2	3	8	0.30	20.42	79.52				0.07	0.80
2	B	2	3	7	0.42	17.35	82.58				0.07	0.83
2	C	2	3	7	0.35	29.29	70.64				0.06	0.71
2	D	2	3	8	0.25	22.23	77.70				0.07	0.78
2	E	2	3	8	0.43	34.55	65.38				0.07	0.65
2	F	2	3	8	0.42	38.21	61.72				0.07	0.62
3	A	2	2	6	0.59	0.98	4.92	38.65	41.42	13.89	0.13	0.66
3	B	2	2	6	0.61	0.14	4.79	39.27	41.32	14.34	0.14	0.66
3	C	2	3	6	0.40	0.18	7.37	92.31			0.13	0.96
75		5	2	5	0.49	0.15	3.50	31.77	52.99	10.48	1.10	0.67
98		5	2	5	0.51	0.32	7.42	41.25	38.84	8.62	3.55	0.60
116		5	2	5	0.48	0.13	5.88	39.35	42.69	10.08	1.86	0.63

Table 67. Multiple-Choice Item Analyses, Grade 8 MathematicsMean Item-Total Corr.: 0.39 Mean *p*-Value: 0.50

Item #	Session	CS	SA	Item-Total Corr.	Omit %	<i>p</i> -Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	<i>p</i> -Value
1	1	4/5		0.17	0.24	0.45	32	2	1/6		0.36	0.62	0.46
2	1	4/5		0.41	0.24	0.46	33	2	4/5	3	0.54	0.28	0.60
3	1	3		0.43	0.26	0.37	34	2	1/6		0.51	0.39	0.37
5	1	3		0.50	0.18	0.52	36	2	3		0.27	0.21	0.67
6	1	2		0.36	0.34	0.57	37	2	2		0.26	0.29	0.42
7	1	3		0.48	0.42	0.64	38	2	1/6		0.50	0.24	0.45
8	1	1/6	2	0.44	0.29	0.41	39	2	2	1	0.56	0.34	0.39
10	1	2	1	0.56	0.24	0.67	41	3	4/5	3	0.14	0.15	0.35
11	1	3		0.24	0.22	0.46	42	3	4/5		0.40	0.10	0.52
12	1	2		0.40	0.32	0.54	43	3	2		0.60	0.18	0.43
13	1	4/5	2	0.59	0.47	0.41	45	3	4/5		0.37	0.14	0.49
15	1	4/5		0.15	0.69	0.42	46	3	4/5	3	0.42	0.49	0.59
16	1	2	1	0.42	0.53	0.40	48	3	3		0.40	0.27	0.62
17	1	4/5	2	0.43	0.69	0.29	49	3	1/6		0.40	0.27	0.58
19	1	3		0.13	2.10	0.14	51	3	2	1	0.43	0.29	0.43
21	2	1/6		0.27	0.30	0.73	52	3	4/5		0.42	0.35	0.58
22	2	2	1	0.23	0.13	0.82	54	3	1/6		0.48	0.37	0.65
23	2	1/6		0.27	0.31	0.51	55	3	3		0.42	0.22	0.77
24	2	3		0.52	0.14	0.57	56	3	4/5		0.11	0.35	0.46
26	2	2	1	0.47	0.08	0.50	57	3	1/6		0.38	0.33	0.17
28	2	2		0.51	0.31	0.32	58	3	1/6		0.56	0.34	0.49
29	2	1/6	3	0.40	0.21	0.67	59	3	4/5	3	0.31	0.31	0.51
31	2	4/5	2	0.29	0.31	0.57							

Table 68. Constructed-Response Item Analyses, Grade 8 MathematicsMean Item-Total Corr.: 0.60 Mean *p*-Value: 0.41

Item #	Part	Session	CS	SA	Item-Total	% Score	% Score	% Score	% Score	% Score	Omit %	<i>p</i> -Value
					Corr.	0	1	2	3	4		
4		1	2	1	0.64	48.00	16.87	32.90			2.23	0.41
9		1	3		0.58	15.20	26.54	46.64	10.61		1.00	0.51
14		1	1/6		0.53	70.74	6.77	17.85			4.65	0.21
18		1	4/5	3	0.51	52.02	24.21	20.12	1.42		2.22	0.23
20		1	1/6	2	0.68	46.26	16.17	14.02	12.13	5.16	6.26	0.25
25		2	2	1	0.65	26.31	48.78	24.24			0.67	0.49
27		2	1/6		0.58	3.60	8.41	40.17	47.35		0.47	0.77
30		2	4/5	2	0.63	37.32	30.77	30.65			1.26	0.46
35		2	2		0.60	24.02	36.51	9.18	29.22		1.07	0.48
40		2	4/5	3	0.71	36.03	27.60	16.57	10.07	9.03	0.69	0.32
44		3	1/6		0.44	65.78	25.10	6.93			2.19	0.19
47		3	4/5	3	0.55	13.59	53.70	23.00	9.05		0.67	0.42
50		3	3	1	0.63	64.92	21.31	12.56			1.20	0.23
53		3	3		0.58	15.78	16.87	43.51	22.85		0.99	0.57
60		3	2	1	0.67	5.60	9.26	25.78	28.79	29.99	0.59	0.67

Table 69. Multiple-Choice Item Analyses, Grade 8 ScienceMean Item-Total Corr.: 0.34 Mean *p*-Value: 0.58

Item #	Session	CS	SA	Item-Total Corr.	Omit %	<i>p</i> -Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	<i>p</i> -Value
1	1	2	3	0.28	0.08	0.71	42	2	1/5	1	0.30	0.40	0.58
2	1	4	6	0.42	0.07	0.76	44	2	1/5	1	0.21	0.37	0.54
4	1	3		0.45	0.06	0.74	46	2	3	5	0.34	0.21	0.43
5	1	3	5	0.19	0.19	0.31	47	2	4	6	0.27	0.50	0.58
6	1	1/5	2	0.37	0.12	0.52	48	2	2		0.44	0.56	0.47
7	1	4		0.38	0.08	0.59	50	2	2	3	0.22	0.20	0.57
8	1	1/5		0.33	0.22	0.43	51	2	2	3	0.37	0.21	0.59
9	1	1/5	1	0.40	0.15	0.46	52	2	1/5	1	0.38	0.21	0.59
10	1	1/5	2	0.36	0.17	0.63	53	2	1/5		0.51	0.29	0.76
11	1	4		0.14	0.14	0.55	54	2	4	6	0.45	0.31	0.66
12	1	2		0.21	0.56	0.44	56	3	4	6	0.26	0.09	0.76
13	1	3		0.27	0.12	0.34	57	3	2	3	0.28	0.14	0.48
15	1	1/5	2	0.45	0.08	0.66	60	3	1/5	2	0.38	0.17	0.71
16	1	3		0.25	0.28	0.55	61	3	4		0.35	0.23	0.78
17	1	3	5	0.35	0.22	0.66	62	3	2		0.45	0.17	0.48
18	1	1/5	1	0.43	0.16	0.47	63	3	4	6	0.36	0.21	0.79
19	1	3	5	0.26	0.21	0.45	65	3	1/5	1	0.44	0.22	0.61
26	2	2	3	0.31	0.16	0.80	66	3	1/5	2	0.32	0.40	0.68
27	2	3	5	0.37	0.02	0.65	68	3	1/5	2	0.19	0.23	0.40
28	2	1/5	2	0.23	0.04	0.62	69	3	4	6	0.27	0.12	0.30
30	2	1/5	1	0.47	0.85	0.64	70	3	2		0.44	0.28	0.63
31	2	3		0.19	0.11	0.35	71	3	4	6	0.39	0.31	0.59
32	2	4	6	0.19	0.31	0.70	73	3	3		0.46	0.14	0.78
33	2	2	3	0.17	0.27	0.40	74	3	1/5	2	0.44	0.18	0.78
34	2	3		0.37	0.14	0.57	76	3	1/5	2	0.44	0.19	0.52
36	2	1/5	2	0.40	0.35	0.62	77	3	2	3	0.35	0.49	0.70
37	2	4		0.31	0.57	0.50	78	3	1/5	2	0.21	0.23	0.60
39	2	3	5	0.17	0.40	0.54	79	3	2	3	0.44	0.36	0.41
40	2	1/5	2	0.51	0.16	0.71	80	3	2	3	0.13	0.27	0.40
41	2	1/5	2	0.56	0.16	0.52	82	3	1/5	1	0.32	0.46	0.70

Table 70. Constructed-Response Item Analyses, Grade 8 ScienceMean Item-Total Corr.: 0.45 Mean *p*-Value: 0.43

Item #	Part	Session	CS	SA	Item-Total Corr.	% Score 0	% Score 1	% Score 2	% Score 3	% Score 4	Omit %	<i>p</i> -Value
3		1	2		0.46	42.02	34.80	21.49			1.69	0.39
14		1	2	3	0.33	73.53	25.94				0.52	0.26
20		1	1/5	1	0.47	47.32	51.84				0.84	0.52
21		1	1/5	1	0.34	30.42	68.95				0.63	0.69
22		1	1/5	1	0.48	21.20	29.76	47.77			1.27	0.63
23		1	1/5	1	0.42	33.33	65.44				1.22	0.65
24		1	1/5	2	0.59	20.68	18.83	14.38	22.09	22.62	1.40	0.51
25		1	1/5	2	0.62	24.88	28.49	44.12			2.51	0.58
29		2	1/5	1	0.20	72.79	25.41				1.80	0.25
35		2	3		0.41	33.34	54.21	11.43			1.02	0.39
38		2	1/5	2	0.41	58.83	39.46				1.70	0.39
43		2	3		0.37	50.93	48.43				0.64	0.48
45		2	2	3	0.27	66.89	26.79				6.32	0.27
49		2	3		0.45	27.86	59.79	11.11			1.23	0.41
55		2	2	3	0.60	48.03	30.65	18.84			2.48	0.34
58		3	4	6	0.28	75.67	21.57				2.76	0.22
59		3	1/5	1	0.69	11.02	18.46	31.62	37.49		1.40	0.65
64		3	1/5	1	0.57	43.01	49.83	5.64			1.51	0.31
67		3	1/5	2	0.55	30.74	27.86	38.98			2.42	0.53
72		3	4	6	0.43	66.22	24.85	5.56			3.37	0.18
75		3	3		0.62	39.37	38.96	20.79			0.87	0.40
81		3	4	6	0.43	62.56	35.11				2.34	0.35
83		3	3		0.37	19.21	72.21	7.56			1.02	0.44

Table 71. Multiple-Choice Item Analyses, Grade 9 ReadingMean Item-Total Corr.: 0.33 Mean *p*-Value: 0.66

Item #	Session	CS	SA	Item-Total Corr.	Omit %	<i>p</i> -Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	<i>p</i> -Value
5	3	1	2	0.17	0.09	0.85	41	4	6	4	0.44	0.39	0.62
6	3	4	2	0.37	0.23	0.49	42	4	6	4	0.23	0.55	0.41
8	3	4	2	0.35	0.16	0.85	43	4	4	4	0.42	0.74	0.68
9	3	1	2	0.33	0.10	0.92	44	4	1	2	0.27	1.54	0.49
10	3	1	3	0.32	0.13	0.85	45	4	1	3	0.25	1.09	0.76
11	3	1	3	0.35	0.19	0.48	46	4	1	3	0.33	1.12	0.59
12	3	6	1	0.27	0.34	0.67	47	4	5		0.42	1.28	0.65
14	3	1	1	0.49	0.17	0.81	48	4	5		0.45	1.35	0.70
15	3	5		0.18	0.15	0.75	49	4	5		0.44	1.74	0.65
16	3	6	1	0.28	0.39	0.30	50	4	1	3	0.31	1.75	0.66
17	3	5		0.36	0.23	0.59	51	4	5		0.21	2.25	0.29
18	3	6	1	0.32	0.42	0.47	52	4	1	2	0.40	2.11	0.48
20	3	4	1	0.39	0.49	0.67	95	6	1	3	0.26	0.17	0.69
21	3	4	1	0.03	1.15	0.39	97	6	1	3	0.37	0.12	0.90
23	3	4	1	0.39	0.74	0.48	98	6	4	2	0.38	0.26	0.67
25	4	5		0.51	0.11	0.79	100	6	5		0.28	0.09	0.98
26	4	5		0.18	0.19	0.42	101	6	5		0.33	0.14	0.97
28	4	1	2	0.38	0.24	0.91	103	6	1	3	0.45	1.23	0.86
29	4	5		0.32	0.17	0.83	104	6	4	4	0.32	0.12	0.80
30	4	1	2	0.36	0.25	0.58	105	6	5		-0.04	0.08	0.12
32	4	1	3	0.33	0.12	0.59	106	6	6	4	0.13	0.14	0.32
33	4	6	1	0.32	0.17	0.83	107	6	1	4	0.40	0.21	0.59
34	4	5		0.45	0.19	0.81	108	6	1	3	0.33	2.47	0.80
35	4	6	1	0.41	0.22	0.48	109	6	1	3	0.36	0.27	0.72
36	4	1	3	0.47	0.15	0.78	110	6	5		0.31	0.27	0.53
37	4	6	1	0.37	0.28	0.57	111	6	4	1	0.36	0.62	0.64
38	4	4	4	0.47	0.25	0.75	113	6	4	1	0.39	0.46	0.85
39	4	4	4	0.26	0.43	0.60	114	6	5		0.48	0.29	0.81

Table 72. Constructed-Response Item Analyses, Grade 9 ReadingMean Item-Total Corr.: 0.52 Mean *p*-Value: 0.52

Item #	Part	Session	CS	SA	Item-Total	% Score	% Score	% Score	% Score	% Score	Omit %	<i>p</i> -Value
					Corr.	0	1	2	3	4		
4		3	1	2	0.41	8.51	38.11	34.33	18.21		0.84	0.54
7		3	1	2	0.35	2.60	12.37	84.06			0.97	0.90
13		3	1	1	0.54	5.00	54.06	38.16			2.79	0.65
19		3	6	1	0.37	79.47	8.42	4.47			7.64	0.09
22		3	4	1	0.57	27.93	35.43	23.95	5.95		6.75	0.34
24		4	1	2	0.45	5.99	52.41	39.76			1.84	0.66
27		4	4	2	0.52	12.12	43.14	29.90	11.29		3.55	0.46
31		4	5		0.60	10.51	14.29	24.55	47.64		3.01	0.69
40		4	6	4	0.49	45.55	33.11	9.92	6.68		4.73	0.24
96		6	1	2	0.61	11.39	35.12	40.37	8.97		4.15	0.48
99		6	4	2	0.58	8.00	19.10	34.97	34.90		3.03	0.65
102		6	5		0.62	18.43	7.12	22.53	45.76		6.16	0.63
112		6	6	1	0.52	12.50	41.90	35.17	6.14		4.29	0.44
115		6	6	1	0.60	9.25	41.24	28.56	17.19		3.76	0.50

Table 73. Multiple-Choice Item Analyses, Grade 9 WritingMean Item-Total Corr.: 0.42 Mean *p*-Value: 0.70

Item #	Session	CS	SA	Item-Total Corr.	Omit %	<i>p</i> -Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	<i>p</i> -Value
53	5	3	7	0.28	0.07	0.77	74	5	2	7	0.53	0.39	0.70
54	5	2		0.26	0.13	0.68	75	5	2	5	0.42	0.35	0.77
55	5	2		0.45	0.20	0.81	76	5	2	5	0.19	0.35	0.47
56	5	3	7	0.34	0.19	0.62	77	5	3	7	0.53	0.39	0.67
57	5	3	7	0.30	0.23	0.79	78	5	3	7	0.39	0.61	0.63
58	5	3	8	0.36	0.24	0.90	79	5	3	7	0.51	0.56	0.80
59	5	3	8	0.37	0.17	0.81	80	5	3	8	0.44	0.39	0.78
60	5	3	8	0.43	0.28	0.87	81	5	3	7	0.55	0.84	0.80
61	5	3	7	0.32	0.24	0.61	82	5	3	7	0.52	0.66	0.63
62	5	3	8	0.34	0.18	0.65	83	5	2	5	0.43	0.53	0.69
63	5	3	8	0.31	0.38	0.64	84	5	2	5	0.38	0.56	0.56
64	5	3	7	0.57	0.55	0.83	85	5	2	5	0.25	0.56	0.43
65	5	2	5	0.27	0.23	0.41	86	5	3	7	0.47	0.63	0.64
66	5	2	5	0.34	0.20	0.52	87	5	3	7	0.58	0.65	0.70
67	5	3	7	0.51	0.30	0.88	88	5	3	7	0.53	0.90	0.86
68	5	3	8	0.47	0.36	0.83	89	5	3	7	0.54	0.75	0.75
69	5	3	7	0.49	0.79	0.83	90	5	2	5	0.22	0.61	0.74
70	5	2	5	0.40	0.23	0.56	91	5	3	7	0.51	0.74	0.73
71	5	2	5	0.53	0.30	0.69	92	5	2	5	0.49	0.87	0.58
73	5	2	5	0.26	0.35	0.62	93	5	3	7	0.56	0.93	0.71

Table 74. Constructed-Response Item Analyses, Grade 9 WritingMean Item-Total Corr.: 0.42 Mean *p*-Value: 0.66

Item #	Part	Session	CS	SA	Item-Total Corr.	% Score 0	% Score 1	% Score 2	% Score 3	% Score 4	Omit %	<i>p</i> -Value
1		1	2	6	0.15	1.58	98.42				0.00	0.98
2	A	2	3	8	0.38	20.35	79.50				0.15	0.79
2	B	2	3	7	0.47	35.81	64.04				0.15	0.64
2	C	2	3	7	0.18	48.08	51.70				0.23	0.52
2	D	2	3	8	0.29	77.95	21.83				0.21	0.22
2	E	2	3	7	0.47	33.84	65.99				0.17	0.66
2	F	2	3	8	0.41	47.13	52.67				0.20	0.53
3	A	2	2	6	0.64	0.85	4.95	28.08	53.60	12.29	0.23	0.68
3	B	2	2	6	0.65	0.19	5.41	28.29	53.30	12.58	0.23	0.68
3	C	2	3	6	0.43	0.23	7.34	92.21			0.23	0.96
72		5	2	5	0.44	0.46	4.76	29.58	48.46	14.49	2.25	0.67
94		5	2	5	0.52	0.39	8.71	40.93	39.15	7.36	3.47	0.59
116		5	2	5	0.46	0.21	5.33	41.49	41.91	7.34	3.72	0.61

Table 75. Multiple-Choice Item Analyses, Grade 9 MathematicsMean Item-Total Corr.: 0.36 Mean *p*-Value: 0.49

Item #	Session	CS	SA	Item-Total Corr.	Omit %	<i>p</i> -Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	<i>p</i> -Value
1	1	4/5	1	0.38	0.10	0.80	31	2	3		0.25	0.30	0.66
3	1	4/5		0.32	0.20	0.58	33	2	2		0.61	0.34	0.43
4	1	2		0.48	0.22	0.44	35	2	3		0.40	0.17	0.60
5	1	1/6		0.44	0.27	0.18	36	2	2		0.52	0.52	0.25
6	1	1/6		0.48	0.26	0.59	37	2	1/6		0.40	0.54	0.48
8	1	2	1	0.44	0.35	0.56	38	2	3		0.32	0.28	0.37
9	1	4/5	2	0.44	0.40	0.38	39	2	3		0.21	0.45	0.17
11	1	1/6		0.39	0.39	0.56	41	3	1/6		0.40	0.10	0.58
12	1	1/6		0.45	0.51	0.47	42	3	3	2	0.36	0.12	0.67
13	1	2		0.22	0.13	0.88	43	3	3	2	0.31	0.21	0.65
15	1	4/5		0.37	0.51	0.34	44	3	2	2	0.27	0.29	0.32
16	1	4/5		0.23	0.33	0.63	45	3	3		0.35	0.42	0.64
17	1	4/5		0.17	0.36	0.33	47	3	2		0.17	0.11	0.78
18	1	2		0.23	0.71	0.40	48	3	4/5		0.61	0.36	0.45
19	1	4/5	2	0.47	0.60	0.30	50	3	3		0.34	0.48	0.74
21	2	3		0.36	0.19	0.45	52	3	2		0.40	0.36	0.32
22	2	2	1	0.33	0.07	0.40	54	3	1/6		0.24	0.44	0.33
24	2	3		0.53	0.15	0.35	55	3	4/5		0.47	0.46	0.39
25	2	1/6		0.24	0.62	0.42	56	3	4/5		0.14	0.37	0.39
26	2	3		0.45	0.13	0.40	57	3	3		0.32	0.27	0.37
27	2	2	1	0.50	0.20	0.33	58	3	2		0.52	0.58	0.38
29	2	1/6		0.17	0.29	0.62	59	3	4/5		0.32	0.53	0.85
30	2	1/6	2	0.36	0.24	0.69							

Table 76. Constructed-Response Item Analyses, Grade 9 MathematicsMean Item-Total Corr.: 0.61 Mean *p*-Value: 0.32

Item #	Part	Session	CS	SA	Item-Total	% Score	% Score	% Score	% Score	% Score	Omit %	<i>p</i> -Value
					Corr.	0	1	2	3	4		
2		1	2	1	0.61	22.34	52.48	24.59			0.58	0.51
7		1	2		0.70	43.24	18.35	6.15	29.41		2.85	0.40
10		1	1/6	2	0.54	67.49	6.56	22.51			3.44	0.26
14		1	1/6	2	0.61	55.71	28.87	4.30	9.21		1.91	0.22
20		1	3	1	0.62	17.42	27.20	31.47	15.54	7.19	1.18	0.41
23		2	1/6		0.61	60.69	20.11	16.26			2.93	0.26
28		2	4/5	2	0.63	57.84	25.16	9.68	5.18		2.14	0.20
32		2	4/5		0.44	64.69	20.56	2.80			11.95	0.13
34		2	2		0.66	48.92	27.91	13.39	4.64		5.14	0.23
40		2	4/5		0.72	47.89	25.86	15.67	1.99	6.51	2.09	0.22
46		3	3		0.47	50.60	23.46	25.06			0.87	0.37
49		3	4/5		0.74	49.16	12.07	11.88	24.36		2.53	0.36
51		3	2	1	0.64	24.49	25.84	48.13			1.53	0.61
53		3	3		0.48	34.89	46.87	12.58	3.84		1.82	0.28
60		3	2	1	0.64	33.48	16.70	24.11	7.79	14.76	3.17	0.37

Table 77. Multiple-Choice Item Analyses, Grade 10 ReadingMean Item-Total Corr.: 0.35 Mean *p*-Value: 0.67

Item #	Session	CS	SA	Item-Total Corr.	Omit %	<i>p</i> -Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	<i>p</i> -Value
4	3	6	1	0.28	0.16	0.33	40	4	5		0.29	0.25	0.44
5	3	5		0.35	0.06	0.66	41	4	4	2	0.31	0.32	0.66
6	3	6	1	0.33	0.15	0.52	43	4	5		0.47	0.82	0.80
8	3	4	1	0.39	0.18	0.73	44	4	5		0.37	0.39	0.95
9	3	4	1	0.07	0.36	0.36	45	4	5		0.41	0.56	0.62
10	3	4	1	0.22	0.16	0.64	46	4	1	3	0.43	0.85	0.60
12	3	1	3	0.36	0.25	0.53	48	4	6	4	0.51	1.08	0.70
14	3	6	1	0.25	0.37	0.52	49	4	4	4	0.32	1.70	0.48
15	3	1	1	0.38	0.17	0.78	50	4	5		0.41	1.30	0.77
16	3	1	3	0.24	0.19	0.71	52	4	5		0.41	1.69	0.92
17	3	1	3	0.45	0.21	0.88	53	4	4	4	0.17	1.81	0.35
18	3	1	3	0.37	0.20	0.88	96	6	4	1	0.39	0.09	0.82
19	3	5		0.51	0.25	0.81	97	6	5		0.38	0.10	0.62
20	3	4	2	0.04	0.77	0.37	98	6	4	1	0.48	0.15	0.82
22	3	5		0.41	0.35	0.50	99	6	4	1	0.52	0.22	0.91
23	3	5		0.32	0.47	0.84	100	6	1	3	0.28	0.27	0.51
24	3	4	2	0.41	0.50	0.82	102	6	1	3	0.33	0.46	0.84
25	3	1	2	0.27	0.58	0.60	103	6	5		0.48	0.08	0.82
26	3	5		0.45	0.59	0.92	105	6	1	3	0.36	0.14	0.77
28	4	4	2	0.33	0.16	0.75	106	6	4	1	0.36	0.33	0.70
29	4	4	2	0.44	0.13	0.76	107	6	4	1	0.41	0.29	0.88
32	4	6	2	0.13	0.14	0.51	108	6	5		0.32	0.20	0.59
33	4	1	3	0.20	0.20	0.53	110	6	4	4	0.38	0.25	0.69
34	4	5		0.21	0.14	0.29	111	6	6	4	0.40	0.31	0.70
35	4	4	2	0.43	0.20	0.76	112	6	4	4	0.42	0.47	0.60
37	4	1	2	0.56	0.22	0.62	113	6	1	4	0.25	0.31	0.61
38	4	1	3	0.47	0.17	0.91	114	6	1	4	0.17	0.33	0.41
39	4	1	3	0.13	0.26	0.50	115	6	6	4	0.32	0.44	0.64

Table 78. Constructed-Response Item Analyses, Grade 10 ReadingMean Item-Total Corr.: 0.55 Mean *p*-Value: 0.49

Item #	Part	Session	CS	SA	Item-Total	% Score	% Score	% Score	% Score	% Score	Omit %	<i>p</i> -Value
					Corr.	0	1	2	3	4		
7		3	6	1	0.38	74.73	11.63	6.48			7.16	0.12
11		3	4	1	0.54	25.46	34.20	27.13	7.86		5.34	0.37
13		3	1	1	0.63	5.83	12.01	16.47	30.28	31.82	3.58	0.66
21		3	6	2	0.53	2.99	53.05	39.84			4.12	0.66
27		3	5		0.41	23.56	23.26	29.82	19.86		3.50	0.47
30		4	1	2	0.51	9.68	32.84	39.10	16.03		2.34	0.53
31		4	6	2	0.59	16.39	33.45	35.01	11.05		4.10	0.46
36		4	1	2	0.48	17.67	41.94	26.82	8.40		5.17	0.40
42		4	1	2	0.67	14.54	18.68	38.11	24.22		4.46	0.56
47		4	5		0.59	8.74	11.90	25.32	45.72		8.32	0.67
51		4	1	4	0.58	26.20	33.97	13.02	16.09		10.72	0.36
101		6	6	1	0.57	29.28	31.39	35.94			3.39	0.52
104		6	6	1	0.54	8.94	34.36	44.84	8.36		3.50	0.50
109		6	6	1	0.62	6.26	37.67	29.86	22.00		4.21	0.54

Table 79. Multiple-Choice Item Analyses, Grade 10 WritingMean Item-Total Corr.: 0.41 Mean *p*-Value: 0.72

Item #	Session	CS	SA	Item-Total Corr.	Omit %	<i>p</i> -Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	<i>p</i> -Value
54	5	3	8	0.30	0.08	0.59	75	5	2	5	0.43	0.19	0.74
55	5	3	7	0.43	0.09	0.94	76	5	3	7	0.55	0.33	0.86
56	5	3	7	0.44	0.31	0.91	77	5	2	5	0.39	0.25	0.56
57	5	3	7	0.22	0.11	0.76	78	5	2	5	0.56	0.35	0.69
58	5	3	7	0.46	0.25	0.81	79	5	2	7	0.49	0.21	0.88
59	5	3	7	0.45	0.34	0.84	80	5	3	7	0.47	0.51	0.87
60	5	3	7	0.48	0.15	0.77	81	5	3	7	0.52	0.69	0.90
61	5	3	7	0.22	0.26	0.39	82	5	3	8	0.32	0.77	0.33
62	5	3	7	0.32	0.20	0.47	83	5	3	7	0.53	0.35	0.90
63	5	3	7	0.43	0.22	0.86	84	5	3	7	0.50	0.45	0.92
64	5	3	8	0.29	0.27	0.51	85	5	2	7	0.50	0.33	0.80
65	5	2	7	0.50	0.33	0.82	86	5	2	5	0.26	0.32	0.59
66	5	2	5	0.36	0.17	0.83	87	5	3	7	0.52	0.59	0.80
67	5	2	5	0.18	0.19	0.49	88	5	2	5	0.43	0.38	0.71
68	5	3	7	0.51	0.26	0.69	89	5	2	5	0.40	0.43	0.60
69	5	3	7	0.34	0.42	0.80	90	5	2		0.50	0.33	0.89
70	5	3	7	0.50	0.37	0.83	91	5	3	7	0.53	0.58	0.87
72	5	3	7	0.52	0.15	0.83	92	5	3	8	0.28	0.48	0.43
73	5	2	5	0.30	0.22	0.44	93	5	2	5	0.31	0.52	0.59
74	5	2	5	0.27	0.20	0.58	94	5	3	7	0.47	0.56	0.70

Table 80. Constructed-Response Item Analyses, Grade 10 WritingMean Item-Total Corr.: 0.41 Mean *p*-Value: 0.71

Item #	Part	Session	CS	SA	Item-Total	% Score	% Score	% Score	% Score	% Score	Omit %	<i>p</i> -Value
					Corr.	0	1	2	3	4		
1		1	2	6	0.17	1.80	98.20				0.00	0.98
2	A	2	3	7	0.42	32.34	67.50				0.16	0.68
2	B	2	3	8	0.14	29.77	70.06				0.17	0.70
2	C	2	3	8	0.27	24.51	75.33				0.16	0.75
2	D	2	3	8	0.21	20.24	79.58				0.18	0.80
2	E	2	3	8	0.39	61.53	38.21				0.26	0.38
2	F	2	3	7	0.27	17.02	82.81				0.17	0.83
3	A	2	2	6	0.66	0.83	6.98	33.10	37.28	21.60	0.21	0.68
3	B	2	2	6	0.66	0.29	8.09	34.21	36.04	21.15	0.22	0.67
3	C	2	3	6	0.53	0.55	18.87	80.37			0.22	0.90
71		5	2	5	0.50	0.48	5.91	32.30	46.19	12.59	2.54	0.65
95		5	2	5	0.57	0.60	6.96	41.10	39.29	8.16	3.89	0.60
116		5	2	5	0.55	0.61	6.62	35.35	41.86	12.73	2.83	0.63

Table 81. Multiple-Choice Item Analyses, Grade 10 MathematicsMean Item-Total Corr.: 0.37 Mean *p*-Value: 0.48

Item #	Session	CS	SA	Item-Total Corr.	Omit %	<i>p</i> -Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	<i>p</i> -Value
1	1	1/6		0.48	0.15	0.35	31	2	3	1	0.36	0.27	0.74
2	1	4/5		0.25	0.12	0.30	33	2	3		0.33	0.39	0.61
3	1	3		0.27	0.13	0.43	34	2	1/6		0.23	0.42	0.24
5	1	1/6		0.30	0.34	0.40	36	2	4/5		0.45	0.40	0.34
6	1	4/5	1	0.28	0.16	0.30	37	2	2	1	0.46	0.16	0.43
8	1	2	1	0.37	0.40	0.25	38	2	2		0.41	0.16	0.62
9	1	4/5		0.43	0.19	0.44	39	2	2	1	0.57	0.23	0.58
10	1	4/5		0.46	0.33	0.31	41	3	2		0.39	0.14	0.51
11	1	4/5		0.53	0.16	0.40	42	3	3		0.36	0.14	0.69
13	1	1/6		0.41	0.17	0.59	43	3	4/5		0.21	0.16	0.33
14	1	3		0.33	0.31	0.60	45	3	1/6		0.46	0.15	0.68
15	1	1/6		0.25	0.28	0.37	46	3	4/5		0.58	0.34	0.36
16	1	2	1	0.40	0.22	0.48	47	3	2		0.28	0.37	0.37
18	1	2		0.57	0.43	0.32	49	3	3	2	0.28	0.64	0.87
19	1	1/6		0.55	0.70	0.34	50	3	1/6		0.56	0.52	0.52
21	2	4/5		0.41	0.37	0.28	51	3	2	1	0.19	0.22	0.80
22	2	3		0.35	0.08	0.74	53	3	3		0.38	0.35	0.51
23	2	3	1	0.44	0.06	0.70	55	3	2		0.38	0.39	0.59
24	2	1/6		0.26	0.49	0.41	56	3	3		0.39	0.34	0.54
26	2	1/6		0.40	0.30	0.62	57	3	3	2	0.33	0.18	0.53
27	2	4/5		0.40	0.28	0.33	58	3	1/6		0.29	0.46	0.35
28	2	1/6		0.23	0.29	0.55	59	3	2		0.41	0.18	0.72
30	2	2		0.14	0.60	0.35							

Table 82. Constructed-Response Item Analyses, Grade 10 MathematicsMean Item-Total Corr.: 0.60 Mean *p*-Value: 0.38

Item #	Part	Session	CS	SA	Item-Total	% Score	% Score	% Score	% Score	% Score	Omit %	<i>p</i> -Value
					Corr.	0	1	2	3	4		
4		1	4/5		0.45	59.01	25.46	4.26			11.26	0.17
7		1	4/5	1	0.59	54.00	30.40	5.73	8.20		1.68	0.22
12		1	2	1	0.67	34.10	33.38	28.91			3.62	0.46
17		1	2	1	0.59	46.47	11.96	32.00	8.10		1.47	0.33
20		1	3	1	0.57	8.81	18.10	31.48	28.69	11.77	1.16	0.54
25		2	3		0.32	11.58	44.05	43.26			1.11	0.65
29		2	3		0.61	18.28	48.83	29.25	2.46		1.18	0.38
32		2	1/6		0.62	51.06	25.77	19.00			4.16	0.32
35		2	2	1	0.57	16.18	20.03	37.78	24.56		1.45	0.56
40		2	2	1	0.71	41.64	34.27	13.00	7.06	1.69	2.33	0.22
44		3	3	2	0.57	37.15	33.08	28.84			0.93	0.45
48		3	1/6		0.71	36.46	13.68	24.47	21.70		3.69	0.43
52		3	2		0.66	60.96	6.13	28.67			4.25	0.32
54		3	4/5	1	0.72	42.22	22.72	12.32	19.19		3.54	0.35
60		3	4/5		0.71	39.98	19.99	13.66	13.45	10.29	2.64	0.32

Table 83. Multiple-Choice Item Analyses, Grade 10 ScienceMean Item-Total Corr.: 0.30 Mean *p*-Value: 0.55

Item #	Session	CS	SA	Item-Total Corr.	Omit %	<i>p</i> -Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	<i>p</i> -Value
1	1	3		0.22	0.07	0.75	44	2	3		0.41	0.12	0.82
2	1	3	5	0.33	0.05	0.86	46	2	3	5	0.42	0.20	0.66
3	1	3	5	0.23	0.13	0.28	47	2	4	6	0.46	0.24	0.77
4	1	1/5	1	0.39	0.05	0.44	49	2	3		0.22	0.25	0.47
5	1	1/5	2	0.38	0.12	0.65	50	2	1/5		0.37	0.50	0.73
6	1	2		0.36	0.07	0.78	52	2	2		0.44	0.30	0.37
7	1	2	4	0.17	0.09	0.37	53	2	2	4	0.37	0.27	0.76
8	1	2	4	0.21	0.12	0.35	54	2	1/5		0.38	0.35	0.46
9	1	3	5	0.36	0.10	0.43	55	3	1/5		0.39	0.05	0.84
11	1	1/5		0.41	0.17	0.65	56	3	3		0.34	0.10	0.49
12	1	1/5		0.32	0.13	0.56	57	3	4	6	0.41	0.09	0.71
13	1	4	6	0.29	0.20	0.57	58	3	1/5	1	0.29	0.08	0.29
14	1	2		-0.01	0.19	0.18	59	3	1/5		0.17	0.17	0.29
15	1	3		0.25	0.14	0.64	60	3	4		0.01	0.21	0.25
16	1	1/5	2	0.50	0.10	0.72	61	3	1/5		0.21	0.31	0.44
17	1	2	4	0.23	0.09	0.43	62	3	1/5		0.45	0.22	0.73
18	1	1/5	1	0.45	0.09	0.84	63	3	1/5		0.10	0.30	0.24
19	1	1/5	1	0.29	0.15	0.61	64	3	1/5		0.29	0.34	0.52
20	1	4	6	0.17	0.19	0.60	65	3	4	6	0.24	0.34	0.55
28	2	1/5	1	0.31	0.03	0.85	66	3	4	6	0.36	0.17	0.81
29	2	3	5	0.31	0.15	0.54	69	3	2		0.36	0.39	0.75
30	2	3		0.34	0.16	0.56	70	3	4	6	0.32	0.18	0.87
31	2	4	6	0.34	0.08	0.58	71	3	1/5	2	0.30	0.14	0.73
33	2	1/5	2	0.22	0.72	0.44	72	3	4		0.27	0.13	0.51
35	2	2		0.18	0.11	0.33	74	3	2	4	0.31	0.16	0.62
36	2	1/5	1	0.22	0.12	0.47	75	3	4		0.33	0.19	0.39
37	2	4	6	0.16	0.18	0.45	77	3	3		0.48	0.25	0.61
38	2	3		0.23	0.51	0.39	78	3	3	5	0.29	0.47	0.39
42	2	1/5		0.21	0.17	0.31	79	3	2	4	0.32	0.20	0.33
43	2	4	6	0.12	0.14	0.38	80	3	2	4	0.38	0.28	0.67

Table 84. Constructed-Response Item Analyses, Grade 10 ScienceMean Item-Total Corr.: 0.39 Mean *p*-Value: 0.38

Item #	Part	Session	CS	SA	Item-Total	% Score	% Score	% Score	% Score	% Score	Omit %	<i>p</i> -Value
					Corr.	0	1	2	3	4		
10		1	4	6	0.44	52.23	36.87	9.21			1.69	0.28
21		1	1/5	2	0.48	13.71	10.23	31.67	22.86	20.35	1.18	0.56
22		1	1/5	1	0.43	39.78	26.54	31.08			2.60	0.44
23		1	1/5	2	0.47	43.76	52.62				3.61	0.53
24		1	1/5	1	0.43	11.60	17.46	30.62	36.37		3.95	0.63
25		1	1/5	2	0.40	64.02	32.98				3.00	0.33
26		1	1/5	1	0.37	45.66	50.49				3.84	0.50
27		1	1/5	1	0.46	49.44	46.59				3.97	0.47
32		2	1/5	1	0.39	21.00	50.59	24.90			3.52	0.50
34		2	1/5	2	0.32	61.67	35.63				2.70	0.36
39		2	4	6	0.37	69.13	28.00				2.88	0.28
40		2	2	4	0.50	60.55	12.39	17.39			9.67	0.24
41		2	3		0.11	63.71	33.90				2.39	0.34
45		2	4		0.13	69.30	11.71	0.27			18.72	0.06
48		2	2		0.38	63.68	26.25	3.00			7.07	0.16
51		2	1/5	1	0.47	42.05	19.76	34.99			3.20	0.45
67		3	2		0.37	79.55	16.92				3.54	0.17
68		3	3		0.41	60.29	22.91	9.78			7.01	0.21
73		3	2		0.44	34.40	61.86				3.74	0.62
76		3	2		0.53	38.90	37.03	21.62			2.45	0.40
81		3	3		0.44	51.61	35.01	9.24			4.15	0.27
82		3	1/5	2	0.25	24.34	36.65	37.05			1.96	0.55
83		3	1/5	1	0.40	36.73	50.15	10.49			2.64	0.36

Table 85. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 3 Reading

Item	a	b	c	Fit-Z	Item	a	b	c	Fit-Z
1	1.32812	-1.7591	0.1539	24.02	21	0.34638	0.3799	0.2000	19.65
2	0.89565	-1.1066	0.0867	3.32	22	0.84386	-1.2974	0.0276	3.24
3	0.56843	-0.8543	0.0838	4.18	24	0.81136	-1.2608	0.0405	10.74
4	0.83662	-1.8835	0.2000	5.63	25	0.48713	0.1799	0.1539	37.35
6	0.57287	0.8444	0.2459	8.87	26	0.92088	-0.5040	0.1847	11.75
7	0.67464	-1.3626	0.0461	14.28	28	0.98842	-0.0312	0.3857	12.70
8	0.40436	-0.8299	0.2000	4.55	29	0.92123	-0.7374	0.1549	11.25
9	0.37459	-1.7589	0.2000	0.75	30	1.03576	-0.7176	0.4032	9.11
10	0.64726	0.4158	0.0519	20.03	31	0.65713	-1.1792	0.1539	50.32
11	0.53901	-0.5170	0.1737	0.77	33	0.67513	0.6803	0.1127	13.91
12	0.86962	-0.3257	0.2236	14.84	34	1.17087	-0.8152	0.1886	7.48
13	0.96263	-0.9125	0.2621	4.32	35	1.15617	-0.7545	0.2177	8.08
14	0.69031	-1.0612	0.1127	5.86	36	0.63884	-0.9018	0.1377	9.14
16	0.65203	-2.0778	0.2000	39.78	37	0.72254	-0.5594	0.2527	9.30
18	0.79326	-1.9851	0.1539	12.99	38	0.39046	-0.3641	0.2000	22.77
19	0.67153	-1.4525	0.2000	8.62	40	1.0332	0.7730	0.2029	30.27

N=52141 M1=58.7619 M2=572.3633 Critical Z=139.04**Table 86. Item Parameter and Fit Summary, Constructed-Response Items, Grade 3 Reading**

Item	Part	f	g1	g2	g3	g4	Fit-Z
5		0.67912	-1.6435	-0.7920	2.1045		14.85
15		0.95942	-0.6530	-0.5787			34.33
17		0.84888	-0.3143	-0.9699			26.87
20		0.56617	-1.2126	0.2534	1.5142		42.49
23		0.58051	0.0561	0.7115	2.0047		30.58
27		1.17875	-0.7743	1.6560			100.80
32		0.73737	-1.3580	0.4892	1.7855		88.28
39		0.97451	-0.8376	0.2254			44.99

N=52141 M1=58.7619 M2=572.3633 Critical Z=139.04

Table 87. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 3 Reading (Spanish)

Item	a	b	c	Fit-Z	Item	a	b	c	Fit-Z
3	0.93745	1.2845	0.1122	0.46	21	1.54670	-1.9758	0.2000	-0.41
4	0.34006	-0.7786	0.2000	2.84	22	0.91119	-0.1558	0.3626	-0.72
5	0.46652	1.8242	0.1691	1.76	23	1.41577	-1.4183	0.2000	-0.52
6	0.97645	1.6655	0.1508	-0.78	24	0.68224	-1.4662	0.2000	-0.18
7	0.67079	1.5778	0.1390	-0.65	27	0.67958	-1.9677	0.2000	1.36
9	0.69928	0.4300	0.2000	-0.37	28	0.85301	-0.8690	0.1528	0.09
10	0.50358	-0.1872	0.2000	2.94	29	0.59387	-1.1204	0.2000	1.68
11	0.68534	-0.4401	0.2000	0.21	30	1.06614	0.3737	0.2521	0.60
12	0.53662	0.2077	0.1659	0.37	31	1.01174	0.0811	0.2791	1.86
13	0.91829	1.1092	0.1724	-0.13	33	0.64071	-0.1927	0.2000	-0.03
14	0.18065	3.9038	0.2000	0.93	34	1.01441	0.9990	0.3235	0.35
15	0.98753	-0.9296	0.2000	-0.94	35	0.27636	3.5401	0.2294	-0.83
16	0.89134	-1.3004	0.2000	-0.73	37	1.28936	-0.8824	0.1173	-0.10
18	0.64552	-0.8697	0.2000	1.11	38	0.73287	-0.3789	0.2000	-0.77
19	1.00044	-0.8954	0.2000	-1.03	39	0.89423	-0.1471	0.2177	0.46
20	0.91870	-0.5557	0.2000	1.11	40	0.69073	-0.0368	0.1881	-0.03

Pre-Equated N=1349 M1=39.2941 M2=528.4950 Critical Z=3.60

Table 88. Item Parameter and Fit Summary, Constructed-Response Items, Grade 3 Reading (Spanish)

Item	Part	f	g1	g2	g3	g4	Fit-Z
1		0.50984	0.7846	-1.0093	-0.3516		6.00
2		0.75468	0.6805	-0.4074	-1.5945		-0.71
8		0.96815	-0.6878	-0.3734			1.66
17		0.65207	-0.5415	-0.4347	0.1401		0.52
25		1.11052	-1.7454	-0.9812			-0.05
26		0.54739	0.6116	0.0062			3.42
32		0.71939	-0.5830	0.3039	1.8817		1.12
36		1.14170	-1.0634	-0.3895			0.98

Pre-Equated N=1349 M1=39.2941 M2=528.4950 Critical Z=3.60

Table 89. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 3 Writing

Item	a	b	c	Fit-Z	Item	a	b	c	Fit-Z
2	0.95777	-0.7643	0.1809	18.05	21	1.24937	-1.3703	0.3558	3.91
3	1.13070	0.4037	0.4993	16.47	22	0.96862	-0.6948	0.3838	14.38
4	1.12885	-1.0015	0.2002	4.32	23	0.52046	-2.5736	0.2000	17.33
5	0.92221	-0.9161	0.2660	9.75	24	1.02498	-0.6763	0.3118	6.82
6	1.36924	-1.4353	0.2743	7.23	25	0.89916	-1.6376	0.2000	1.55
7	0.73156	-2.6655	0.2000	29.38	26	1.19000	-0.2195	0.2264	12.85
8	0.56275	0.0729	0.1920	2.43	27	0.68663	-0.9929	0.1912	0.50
9	0.56041	-1.2797	0.2424	0.65	29	0.55543	-0.1471	0.1264	2.06
11	0.43778	0.3502	0.2000	3.34	30	0.68096	-1.7831	0.2000	0.47
12	0.77780	-1.7395	0.1289	4.71	31	1.16284	1.3876	0.2474	38.88
13	0.77078	0.7934	0.2386	8.11	32	1.17882	-0.4691	0.2218	10.51
14	0.79363	-0.9560	0.2842	13.63	33	0.67146	-1.2858	0.2968	7.14
15	0.81204	-0.7728	0.1596	9.03	34	0.52558	0.2959	0.2359	1.12
16	0.91995	-0.3136	0.3718	15.03	35	0.92495	-0.3100	0.1726	5.27
17	0.89645	-0.0988	0.2091	6.98	36	0.92586	-1.7509	0.2070	24.02
18	0.91863	-0.7642	0.2751	2.46	37	1.07172	-0.8951	0.1934	8.42
19	0.80698	-0.6917	0.3408	3.37	38	0.68981	-0.1529	0.2186	4.74
20	1.25869	-0.9728	0.4319	9.24					

N=62934 M1=43.1415 M2=465.1753 Critical Z=167.82

Table 90. Item Parameter and Fit Summary, Constructed-Response Items, Grade 3 Writing

Item	Part	f	g1	g2	g3	g4	Fit-Z
1	A	1.03880	-1.4716				19.57
1	B	1.44208	-0.6107				7.03
1	C	1.36001	-0.7216				11.30
1	D	1.16380	-0.8628				17.05
1	E	0.64063	-2.4207				45.75
1	F	1.34810	-0.9505				133.17
10	A	1.11676	-4.9151	1.4321			98.68
10	B	2.12203	-5.7514				10.58
10	C	1.74359	-1.8956				14.45
10	D	2.04643	-3.3707				6.43
28	A	1.08624	-4.8167	1.1512			54.27
28	B	1.79868	-5.0976				10.76
28	C	1.75244	-1.7784				5.37
28	D	1.95048	-3.1277				4.69
39	A	1.07139	-4.4067	0.9084			52.03
39	B	1.54476	-3.9751				10.82
39	C	1.72304	-1.5356				4.07
39	D	1.84340	-2.9481				8.92

N=62934 M1=43.1415 M2=465.1753 Critical Z=167.82

Table 91. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 3 Writing (Spanish)

Item	a	b	c	Fit-Z	Item	a	b	c	Fit-Z
1	0.72636	-1.6356	0.2000	-0.42	21	0.56024	-0.8516	0.2000	-0.21
2	0.69865	-1.6673	0.2000	-0.09	22	0.91660	0.1488	0.2061	1.56
3	0.79960	-1.7859	0.2000	0.18	23	0.72320	-0.7483	0.2000	2.07
5	0.56896	-0.1673	0.2000	0.38	24	0.64572	-0.6175	0.2000	1.94
6	0.67890	-1.2497	0.2000	5.31	25	0.74924	-1.0085	0.2000	0.38
7	0.57375	-0.7923	0.2000	0.07	26	0.77749	1.0288	0.1889	-0.29
8	0.69572	0.3141	0.1901	-0.75	28	0.60282	-0.5751	0.1929	0.18
9	0.88029	0.3406	0.2014	0.18	29	1.09060	-1.4228	0.2000	-0.21
10	0.86365	-2.3712	0.2000	1.26	30	0.96215	-1.3955	0.2000	-0.72
11	0.71952	-1.5266	0.2000	-0.21	31	0.91521	-0.7958	0.2000	-0.66
12	0.98466	-1.9949	0.2000	0.89	32	0.63928	-0.0727	0.2000	-0.45
13	0.55883	-1.1144	0.2000	1.64	33	0.83169	-0.2761	0.1889	-0.32
14	0.70850	-1.0884	0.2000	-0.06	34	1.15607	-1.7872	0.2000	-0.91
15	0.80286	-0.9017	0.2000	-1.51	35	1.03792	-1.8187	0.2000	-1.08
17	0.95328	-0.8250	0.2000	0.81	36	0.84772	-0.4358	0.2000	2.11
18	1.35829	1.9369	0.1836	0.91	37	0.59765	0.3643	0.2000	-0.60
19	0.98987	1.7456	0.1935	0.41	38	0.56619	-1.0763	0.2000	-0.13
20	0.76280	-0.3028	0.2000	-0.26					

Pre-Equated N=1471 M1=64.1898 M2=501.4712 Critical Z=3.92

Table 92. Item Parameter and Fit Summary, Constructed-Response Items, Grade 3 Writing (Spanish)

Item	Part	f	g1	g2	g3	g4	Fit-Z
4	A	1.08595	-1.7175				-1.12
4	B	1.10075	1.3937				2.66
4	C	1.05723	-0.8095				0.68
4	D	1.07840	-0.7179				0.51
4	E	1.14458	-0.1152				0.73
4	F	0.91387	-1.5841				0.33
16	A	1.05874	-2.6250	1.2813			-0.51
16	B	1.16766	-0.7295				0.23
16	C	1.84093	-1.9080				2.70
16	D	1.68899	-3.1443				-0.99
27	A	1.41742	-1.5381	1.7595			2.24
27	B	1.58094	0.1036				0.50
27	C	2.23694	-1.1389				-0.68
27	D	1.98233	-2.0143				-0.39
39	A	1.06278	-1.8229	1.4828			-0.62
39	B	1.06040	0.4272				-0.82
39	C	1.63350	-0.8728				0.40
39	D	1.23269	-2.0762				0.39

Pre-Equated N=1471 M1=64.1898 M2=501.4712 Critical Z=3.92

Table 93. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 3 Mathematics

Item	a	b	c	Fit-Z	Item	a	b	c	Fit-Z
1	0.71733	1.2105	0.0828	7.36	21	0.91912	-1.1149	0.4976	2.03
2	1.23493	0.2449	0.1710	13.19	22	1.11409	-0.5170	0.0807	4.43
3	0.69339	-0.3023	0.1863	1.83	23	0.73366	-1.5771	0.2767	5.84
4	0.89722	0.4372	0.2267	6.16	24	1.04706	0.0421	0.2112	10.83
5	0.72885	-0.2931	0.3881	16.06	26	0.60750	-0.6171	0.1613	25.72
7	0.79684	-2.0738	0.1613	16.75	27	0.83271	-1.4262	0.1035	3.45
8	0.87868	-0.2076	0.1809	12.64	28	0.78691	-0.3489	0.1304	5.35
10	0.78570	-0.1720	0.0315	5.12	29	0.49716	-2.2572	0.2000	22.42
11	0.60316	-1.0947	0.2248	8.81	31	1.12222	-0.7993	0.1467	6.27
12	0.89272	-1.9250	0.0573	19.80	32	0.73193	-0.4256	0.1387	1.78
13	0.82870	-0.8995	0.1989	3.76	33	1.02703	-0.1061	0.0400	7.14
15	0.90243	-0.5098	0.3451	5.22	34	0.66066	-1.0230	0.0627	-0.26
16	1.04125	-1.4890	0.0846	7.04	35	1.16866	-0.4704	0.1034	4.09
17	0.49641	-1.2388	0.2000	18.92	36	1.05100	-0.5149	0.0251	4.72
18	1.12196	-0.2622	0.1919	7.88	38	1.08269	-0.5998	0.1052	4.59
19	0.97332	-0.2540	0.2149	18.27	39	0.78358	-0.0215	0.3015	3.82

N=63923 M1=80.6543 M2=469.2716 Critical Z=170.46**Table 94. Item Parameter and Fit Summary, Constructed-Response Items, Grade 3 Mathematics**

Item	Part	f	g1	g2	g3	g4	Fit-Z
6		1.60126	-1.8786	1.9826			50.45
9		1.08226	-0.3581	0.0035			50.34
14		1.42528	-1.0437	-0.1652			36.34
20		0.92883	-1.5323	-0.8878			30.58
25		1.47085	-0.4616	0.1332			77.43
30		1.89065	-0.2826	2.1344			54.41
37		1.01052	-2.0726	-0.6559			67.71
40		0.94759	-3.2809	0.1533	-0.1527		20.32

N=63923 M1=80.6543 M2=469.2716 Critical Z=170.46

Table 95. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 4 Reading

Item	a	b	c	Fit-Z	Item	a	b	c	Fit-Z
4	0.75049	-1.8791	0.2000	42.12	40	1.28484	-0.0901	0.1976	10.22
5	0.76694	-1.0112	0.2945	20.65	41	0.90980	0.0924	0.1862	32.12
7	0.64495	-2.6609	0.2000	89.34	42	0.85436	-0.9481	0.1972	0.72
9	0.74549	-2.6899	0.2000	14.12	43	1.23746	-0.5669	0.2243	5.61
10	0.78161	0.1280	0.2716	31.59	45	1.33959	-1.1778	0.2055	2.22
11	0.91482	-0.1412	0.1430	22.29	46	1.20448	-0.3359	0.3131	13.47
12	1.03149	-1.4717	0.2351	6.10	48	0.73534	-0.0592	0.2787	14.00
13	0.66676	-2.0075	0.2461	30.95	49	0.38444	-1.0639	0.1173	13.53
14	0.78713	0.2872	0.2626	8.04	50	0.69830	-1.7755	0.1977	24.54
15	1.16123	0.2642	0.2821	28.46	93	0.72297	-1.6010	0.1140	4.77
16	0.83112	-0.4811	0.1963	6.55	96	0.48657	-1.4423	0.2000	2.33
17	1.15511	0.4176	0.1783	22.10	97	0.42960	-1.1573	0.2000	102.39
19	1.24584	-0.4444	0.1640	6.15	98	0.59506	-1.5012	0.1977	11.18
20	0.82535	1.4059	0.3029	9.44	99	0.69570	-2.6770	0.2000	11.39
21	0.70502	0.8415	0.1631	8.56	100	1.01875	0.4325	0.2056	11.45
24	0.99230	0.4840	0.1736	8.83	101	1.27916	-0.6114	0.3373	9.45
26	0.99597	0.9519	0.2084	9.56	102	0.36228	-1.7078	0.2000	119.55
27	0.53429	-1.7336	0.1461	3.81	103	0.87295	-1.0285	0.1655	4.85
28	1.10667	-0.2162	0.3242	13.85	104	0.93982	-0.6910	0.1463	6.17
30	0.54241	-0.2248	0.0999	1.50	105	1.19114	-0.7723	0.1993	3.81
31	0.66538	-1.0032	0.2000	7.24	106	1.30984	-1.3756	0.2225	8.48
32	0.73810	-0.6823	0.3424	7.83	107	1.06917	0.8962	0.2343	17.29
33	0.82668	0.4462	0.1853	8.75	110	0.61234	-1.5129	0.0732	11.14
35	1.36766	-1.0302	0.1907	11.29	112	0.87920	0.2308	0.1122	11.31
36	1.04945	-0.4611	0.2429	5.91	113	1.35099	-0.8782	0.1872	1.16
37	1.06755	-0.4713	0.1979	5.43	114	1.18351	-0.9138	0.2234	6.32
38	1.27066	0.3680	0.1516	48.77	115	0.76104	-0.7140	0.2202	9.59
39	1.48941	-0.9454	0.2867	5.51					

N=62900 M1=51.3577 M2=593.3629 Critical Z=167.73

Table 96. Item Parameter and Fit Summary, Constructed-Response Items, Grade 4 Reading

Item	Part	f	g1	g2	g3	g4	Fit-Z
6		0.75283	-0.9405	-1.3202			33.13
8		0.76031	-0.8675	-1.3255			14.08
18		0.57984	-0.6569	0.7597			46.95
23		0.70075	-0.2614	-0.5435	0.2784		16.95
25		0.85770	-1.0851	0.0423	2.0499		99.87
29		0.43973	-1.2075	0.7973	1.0833		252.28
34		0.90498	-0.6986	2.4500			19.11
44		0.76351	-1.8208	0.0107	0.7993		53.96
47		0.95080	-1.5369	0.5331	1.9576		97.83
94		1.25675	-2.0984	-1.2775			29.14
95		1.01729	-2.2209	0.5045			43.04
108		0.90444	-0.4979	-1.0262			277.20
109		0.97764	-1.6135	0.1762	1.8248		340.70
111		0.67886	-1.4518	0.2238	1.4292		39.69

N=62900 M1=51.3577 M2=593.3629 Critical Z=167.73

Table 97. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 4 Reading (Spanish)

Item	Source Year	a	b	c	Fit-Z	Item	Source Year	a	b	c	Fit-Z
4	2004	0.83	0.55	0.18	-0.1	39	2004	0.47	-0.26	0.20	-0.6
5	2005	1.08	0.40	0.26	-0.4	40	2004	0.85	-1.09	0.20	-0.4
6	2005	0.37	-0.98	0.20	1.1	41	2004	0.75	0.07	0.20	0.1
7	2004	1.64	1.44	0.27	-0.2	43	2004	0.79	1.02	0.17	-0.5
8	2004	0.50	2.47	0.22	0.0	46	2004	0.86	-1.13	0.20	-0.5
9	2004	0.86	-0.09	0.31	-0.2	47	2004	1.39	2.34	0.34	-0.9
10	2004	0.67	0.02	0.30	0.0	48	2004	0.99	1.82	0.27	2.4
11	2004	0.17	-1.09	0.20	-0.6	91	2004	0.88	-1.58	0.20	-0.7
12	2004	0.24	3.74	0.20	0.9	92	2004	0.58	-0.77	0.20	2.7
15	2004	0.26	-1.31	0.20	-1.1	93	2005	0.94	-0.07	0.20	0.5
16	2004	0.61	-0.87	0.20	-0.1	94	2004	0.55	-1.11	0.20	0.5
17	2004	0.33	-2.10	0.20	-0.2	95	2004	0.80	-1.43	0.20	0.6
18	2004	0.65	-0.91	0.20	0.4	96	2005	0.98	-0.24	0.24	0.3
19	2004	0.87	-2.42	0.20	-0.1	99	2004	0.50	0.62	0.20	0.8
20	2004	0.14	0.37	0.20	1.3	101	2004	0.67	0.49	0.18	-1.1
21	2004	0.91	-0.01	0.18	-0.3	102	2004	0.95	0.76	0.18	0.3
22	2004	0.92	0.25	0.16	-0.1	103	2004	0.81	-1.02	0.20	0.3
23	2004	0.57	0.30	0.20	2.9	104	2004	0.87	-0.03	0.35	0.7
24	2007	0.58	-0.48	0.20	-0.5	105	2007	0.56	0.06	0.20	-0.3
26	2004	0.36	0.36	0.20	0.0	106	2004	1.09	1.37	0.18	-0.2
27	2005	1.29	-0.76	0.40	0.2	107	2004	1.08	0.59	0.24	-0.2
28	2004	0.46	-0.70	0.20	-1.2	109	2004	0.50	-0.55	0.20	0.1
30	2004	0.46	1.17	0.20	-1.4	110	2004	0.51	0.50	0.20	-0.3
32	2007	0.74	0.91	0.20	-0.4	111	2004	0.96	-0.50	0.21	1.3
35	2004	0.94	-0.95	0.20	-1.5	112	2004	0.48	0.09	0.20	1.1
36	2004	1.19	0.02	0.18	0.6	113	2004	0.32	-1.53	0.20	1.7
37	2004	0.87	-1.01	0.20	-0.3	114	2004	0.70	-0.31	0.21	-1.1
38	2004	0.77	0.92	0.20	0.1	115	2004	0.82	0.19	0.24	-0.3

2004 Pre-Equated N=523 M1=33.6050 M2=534.8632 Critical Z=1.39**2005 Pre-Equated N=489 M1=39.5116 M2=550.2315 Critical Z=1.30****2007 Pre-Equated N=264 M1=36.1958 M2=514.4683 Critical Z=0.70**

Table 98. Item Parameter and Fit Summary, Constructed-Response Items, Grade 4 Reading (Spanish)

Item	Part	Source	f	g1	g2	g3	g4	Fit-Z
		Year						
13		2004	0.57	-0.60	-0.85	0.97		0.1
14		2004	0.44	0.17	2.84			0.7
29		2004	0.92	-1.39	-0.76	-1.82		-2.0
31		2007	1.13	1.92	1.17			-1.1
33		2004	0.51	-0.10	0.50	0.59		1.2
34		2004	0.82	-0.60	-0.16	-0.21		1.3
42		2004	0.71	0.29	0.84			-0.3
44		2004	0.53	-0.16	-0.41			1.7
45		2007	0.68	0.24	0.39	1.66		-0.7
97		2004	0.51	-0.50	0.36			-0.7
98		2004	0.59	-0.40	0.16	0.37		-1.1
100		2004	0.74	-0.30	0.90			-1.7
108		2004	0.74	-0.47	-1.38			0.5
116		2004	0.45	0.79	-1.94	1.37		1.4

2004 Pre-Equated N=523 M1=33.6050 M2=534.8632 Critical Z=1.39

2007 Pre-Equated N=264 M1=36.1958 M2=514.4683 Critical Z=0.70

Table 99. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 4 Writing

Item	a	b	c	Fit-Z	Item	a	b	c	Fit-Z
51	0.72215	-1.2475	0.2032	5.31	72	0.65271	0.0428	0.1689	2.87
52	0.71912	-1.9836	0.2000	9.01	73	0.60724	-0.6523	0.1663	-0.31
53	0.74467	-2.0521	0.1804	3.92	74	0.80085	-0.9241	0.2726	2.96
54	0.64651	-2.8525	0.2000	4.49	75	0.64326	-1.7986	0.2000	27.72
55	0.75701	0.4793	0.2298	4.74	76	0.62510	-0.0118	0.1002	18.28
56	0.80046	-0.3211	0.2689	4.84	77	0.67900	0.1742	0.2057	2.95
57	0.88460	-1.2127	0.1672	4.90	78	1.13007	-0.7657	0.2809	5.79
58	0.91319	-0.1849	0.4278	3.69	79	1.08956	-0.4507	0.2861	5.73
59	0.61934	-2.4320	0.2000	6.96	80	1.25977	-0.9793	0.2654	34.80
60	0.61665	-2.0323	0.2000	4.92	81	1.06572	-1.3254	0.2047	40.46
61	0.57762	0.8121	0.1607	8.54	82	1.00322	-0.9506	0.2405	6.04
62	0.58173	-1.2302	0.2122	14.02	83	1.10687	-1.1940	0.1881	15.27
63	1.01097	-1.0488	0.1965	2.46	84	0.98283	-0.5277	0.1383	19.14
64	1.21306	-1.2080	0.3526	3.01	85	1.30876	-1.0518	0.2132	9.46
65	0.79465	-0.0080	0.2075	12.17	86	0.84195	0.2373	0.1425	22.05
66	0.46057	-1.4719	0.2000	34.26	87	1.25786	-0.7616	0.3266	16.39
67	0.68199	-1.7031	0.2000	0.73	88	0.55025	1.7295	0.2000	111.71
68	0.67688	0.1674	0.2090	2.33	89	0.87457	-0.5530	0.2031	4.96
70	0.69703	-0.1442	0.1321	2.18	90	0.84295	0.8650	0.3510	8.62
71	0.52165	1.0552	0.2349	4.12	91	1.09183	-0.5656	0.1780	13.44

N=62829 M1=45.3756 M2=484.0720 Critical Z=167.54**Table 100. Item Parameter and Fit Summary, Constructed-Response Items, Grade 4 Writing**

Item	Part	f	g1	g2	g3	g4	Fit-Z
1		0.91975	-4.6174				6.49
2	A	0.78624	-1.2819				100.99
2	B	1.33726	-1.7900				13.03
2	C	0.34387	0.1456				6.76
2	D	0.84893	-0.7842				22.88
2	E	1.11591	0.3623				5.36
2	F	1.46669	-2.2648				3.56
3	A	1.30946	-2.8105	-3.2118	-0.1066	1.8799	479.29
3	B	1.58000	-4.7239	-3.1323	0.1045	2.1989	102.59
3	C	2.16322	-5.9553	-3.4963			17.41
69		0.75277	-2.3958	-2.4790	-0.5429	1.6415	134.14
92		0.70454	-1.3751	-1.8330	0.1844	1.9922	351.41
116		0.84202	-2.1806	-2.0835	-0.1044	2.1711	93.19

N=62829 M1=45.3756 M2=484.0720 Critical Z=167.54

Table 101. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 4 Writing (Spanish)

Item	Source Year	a	b	c	Fit-Z	Item	Source Year	a	b	c	Fit-Z
49	2004	0.63	-1.77	0.20	0.0	70	2004	0.91	0.74	0.20	-0.5
50	2004	0.77	-1.13	0.20	-0.4	71	2004	0.56	0.45	0.20	2.2
51	2004	0.61	-1.44	0.20	0.5	72	2004	0.64	0.31	0.20	-0.1
52	2004	0.41	1.19	0.20	-0.1	73	2004	0.63	1.09	0.22	-1.1
53	2004	0.73	-2.73	0.20	-1.3	74	2004	0.96	-0.16	0.30	3.7
54	2004	0.55	-0.15	0.20	0.9	75	2004	0.37	1.69	0.21	-0.5
55	2005	0.56	-1.26	0.20	1.4	76	2004	0.63	0.98	0.20	-0.3
56	2004	0.56	-1.38	0.20	1.0	77	2004	0.66	1.31	0.23	-1.1
57	2004	0.67	0.91	0.19	-0.7	78	2004	1.22	1.17	0.22	-0.8
58	2004	1.01	0.64	0.31	0.9	79	2004	0.23	-0.69	0.20	1.8
59	2004	0.65	0.81	0.20	-0.5	80	2004	1.64	1.21	0.26	-1.0
60	2004	0.49	0.23	0.20	-0.7	81	2005	0.92	0.48	0.30	-0.9
61	2004	1.10	0.64	0.30	-0.2	82	2004	1.27	0.63	0.18	0.3
62	2004	0.59	2.15	0.19	-0.8	83	2005	0.52	0.21	0.19	0.8
64	2004	0.87	0.97	0.24	-0.2	84	2005	1.02	0.50	0.20	-0.6
65	2004	1.09	-0.58	0.23	-1.5	85	2004	1.10	0.81	0.19	1.5
66	2004	1.12	0.33	0.35	0.5	86	2004	0.32	2.81	0.20	-0.8
67	2004	1.21	0.10	0.26	-0.7	87	2004	0.95	1.37	0.19	-0.1
68	2004	1.28	-0.24	0.20	-0.3	88	2004	0.77	-0.23	0.20	-0.6
69	2004	1.01	0.07	0.19	0.4	89	2004	0.72	0.65	0.19	-0.5

2004 Pre-Equated N=526 M1=38.1156 M2=519.2253 Critical Z=1.40**2005 Pre-Equated N=490 M1=36.9687 M2=524.4168 Critical Z=1.31**

Table 102. Item Parameter and Fit Summary, Constructed-Response Items, Grade 4 Writing (Spanish)

Item	Part	Source	f	g1	g2	g3	g4	Fit-Z
		Year						
1		2005	0.44	-3.42				-1.7
2	A	2002	1.40	-2.79				-0.9
2	B	2002	1.11	-0.58				-0.2
2	C	2002	0.85	-1.11				-0.1
2	D	2002	0.54	-0.75				-0.1
2	E	2002	1.21	-0.81				0.2
2	F	2002	1.25	0.74				-0.5
3	A	2005	0.66	-0.06	-1.80	-0.33	2.52	1.6
3	B	2005	1.09	-3.73	-2.60	-0.00	3.15	-1.2
3	C	2005	1.14	-4.33	1.14			1.0
25		2005	0.57	0.21	-1.43	0.08	1.90	1.2
63		2007	0.72	-1.65	-1.25	0.99	2.18	-2.6
90		2005	0.46	0.35	-2.18	-0.20	1.00	-1.1

2002 Pre-Equated N=1001 M1=39.9142 M2=522.7280 Critical Z=2.67

2005 Pre-Equated N=490 M1=36.9687 M2=524.4168 Critical Z=1.31

2007 Pre-Equated N=264 M1=33.0014 M2=508.4550 Critical Z=0.70

Table 103. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 4 Mathematics

Item	a	b	c	Fit-Z	Item	a	b	c	Fit-Z
1	0.90705	-0.2827	0.0938	19.08	36	0.60335	-0.0066	0.3019	1.77
2	0.87146	0.5134	0.2847	13.87	37	1.24201	-0.5080	0.1812	15.91
4	0.97115	-0.4321	0.1535	2.47	38	1.00347	-1.1944	0.3167	19.80
5	1.08141	-0.4068	0.1690	3.42	39	0.44724	-0.2219	0.0798	11.79
6	1.08596	-0.9498	0.1715	3.44	40	0.35112	-2.5666	0.2000	4.75
8	0.69557	-2.1791	0.1676	12.75	42	0.65544	-3.3664	0.2000	12.61
9	0.90509	-0.7957	0.3026	7.53	43	0.81160	-0.6603	0.1853	-1.35
10	0.80514	-0.7755	0.2197	7.60	44	0.58660	-1.1867	0.1676	7.15
11	0.80614	-0.7546	0.2091	3.76	45	0.86091	-0.3583	0.2388	10.25
12	0.78840	-0.9869	0.1763	13.96	47	1.15146	-0.2720	0.1087	11.86
13	1.20583	-0.4040	0.1343	4.56	48	0.64089	-1.9748	0.2000	14.81
15	0.98237	1.0892	0.0772	7.44	49	1.26851	-1.2448	0.1268	4.32
16	0.74362	-0.6035	0.0769	10.62	50	0.57666	-0.9942	0.1380	0.21
17	0.98919	-0.3964	0.3414	2.43	51	1.05167	0.0267	0.1714	6.65
19	0.75524	-1.7611	0.1054	6.49	52	0.72310	-2.2499	0.0957	2.57
20	1.00277	0.0244	0.1901	4.70	54	0.46102	-2.5502	0.2000	29.18
21	0.69961	-1.3082	0.1323	8.59	55	0.96978	-1.0269	0.2588	0.15
22	0.75112	-0.4252	0.1145	4.78	56	0.64938	-2.3017	0.1755	3.88
24	0.87723	-0.4060	0.0796	7.85	57	0.72461	-0.8036	0.1651	7.46
25	0.63027	-2.1524	0.2000	4.02	59	0.78248	-2.5678	0.2000	8.29
26	0.79687	-1.0146	0.2000	-0.33	60	0.81006	-0.0921	0.2457	12.43
28	1.05282	-0.6918	0.1516	5.27	62	0.57851	-0.9351	0.2000	5.01
29	1.25866	-0.6520	0.2568	2.36	63	1.50690	-0.4147	0.1835	8.99
31	0.51744	-2.2665	0.2000	4.25	64	0.77666	-0.5440	0.2000	15.46
32	0.58115	-2.2261	0.1676	3.76	65	0.94160	-0.3772	0.1938	5.39
33	0.82567	-1.8263	0.0522	81.18	66	0.54238	-2.1205	0.2000	11.89
34	1.02469	-1.3895	0.1403	2.44	68	0.79939	-2.0263	0.2000	2.33

N=62882 M1=71.0419 M2=503.3290 Critical Z=167.69

Table 104. Item Parameter and Fit Summary, Constructed-Response Items, Grade 4 Mathematics

Item	Part	f	g1	g2	g3	g4	Fit-Z
3		0.91684	-1.1568	-1.0481			94.75
7		0.83224	-2.8467	-2.5109	-1.7683		29.31
14		0.56975	-2.2074	-1.4037	0.0388		23.28
18		1.29981	-1.4984	-0.9046			33.30
23		1.09265	-2.7128	-0.0545	0.3574	1.1773	55.87
27		1.08004	-1.4585	-0.8673	-0.0132		12.17
30		0.94639	0.3514	0.2483			295.86
35		1.73007	-0.8152	1.2616			28.68
41		0.90269	-1.9654	-1.6055			35.60
46		0.57121	-0.2694	-0.6042	0.1504	-1.6553	77.84
53		1.14102	-0.1871	-1.7839			35.41
58		0.89396	-0.6015	-0.2711	-0.1977		92.00
61		1.13502	-0.8727	-0.5738			24.09
67		0.97998	0.7223	1.5603	0.4726		101.92
69		0.64812	-0.6929	-0.4801	0.4590	-0.5102	57.89

N=62882 M1=71.0419 M2=503.3290 Critical Z=167.69

Table 105. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 5 Reading

Item	a	b	c	Fit-Z	Item	a	b	c	Fit-Z
5	0.66758	-1.7372	0.2000	8.31	37	0.82934	1.1633	0.1706	8.33
7	1.35067	-0.0510	0.2751	15.57	41	0.87078	-0.2050	0.2281	23.94
8	1.20713	1.4520	0.1946	26.32	42	1.07272	-0.7889	0.4802	26.51
9	0.54926	0.4283	0.1774	9.76	43	0.77526	-0.5701	0.1883	0.49
10	0.66690	0.2391	0.1992	120.08	44	0.42910	-0.4591	0.0701	13.65
11	0.55190	-0.6081	0.0543	80.50	45	0.63891	0.5480	0.2228	4.60
12	0.99900	-1.3703	0.3086	30.63	46	1.21122	-0.4467	0.2446	5.91
13	1.02698	0.1039	0.2453	12.15	48	1.34591	-0.9907	0.2612	8.59
15	0.67570	0.2943	0.2175	1.97	49	0.78036	0.0095	0.1913	25.77
16	0.86044	0.9790	0.3830	37.14	50	0.81042	0.4770	0.2828	7.52
17	0.34555	0.5274	0.1757	11.31	94	0.37583	-0.3329	0.2000	138.87
18	1.23718	-0.0248	0.2606	11.44	95	1.05301	-2.0513	0.1384	12.97
19	0.89226	-0.8640	0.1965	5.88	97	0.86279	-0.7125	0.3322	1.38
20	1.08937	0.1137	0.1677	8.73	98	0.42097	-0.2011	0.1796	7.40
22	1.21363	-0.7063	0.1291	2.46	99	0.74425	-1.6325	0.1992	20.44
23	1.08087	1.0783	0.3485	10.03	102	0.67466	-1.0434	0.2000	192.09
24	0.97801	-0.5644	0.3106	1.94	103	0.60984	-2.0542	0.1992	16.44
25	1.10317	-1.2027	0.2019	3.15	104	0.77081	-2.5025	0.2000	16.20
26	0.97639	-0.9640	0.2034	4.84	105	0.91230	-0.0461	0.2216	14.14
27	0.77492	-1.8027	0.2000	6.36	106	1.16154	-1.1732	0.3215	1.53
28	0.62356	0.6720	0.1036	25.00	107	0.71732	-2.3535	0.1992	17.74
30	0.47400	1.0108	0.1284	9.04	108	0.73076	-1.1929	0.0978	0.52
31	1.27653	-0.8541	0.2871	1.67	109	1.47430	-0.7670	0.2734	5.26
32	0.54852	-0.2546	0.1455	3.41	110	1.16498	-0.5526	0.2312	1.58
33	0.79073	0.4838	0.2684	7.64	111	1.18986	-0.8842	0.1788	3.91
34	0.59221	-1.2855	0.1364	22.32	112	1.20652	-0.2899	0.2497	11.05
35	0.88481	-0.8565	0.2088	1.15	114	1.29288	-0.3847	0.1460	11.20
36	0.74548	-2.5413	0.2000	21.89	115	0.77782	-1.1409	0.1528	26.63

N=62224 M1=56.6780 M2=619.7447 Critical Z=165.93

Table 106. Item Parameter and Fit Summary, Constructed-Response Items, Grade 5 Reading

Item	Part	f	g1	g2	g3	g4	Fit-Z
4		0.84579	0.5977	0.9976			53.41
6		0.55140	-0.8832	1.0513	0.7664		129.02
14		1.07850	-0.4897	0.9028	1.4488		51.08
21		0.51776	-0.6872	0.7157			28.61
29		0.92554	-1.4908	-0.6341	1.6759		62.64
38		0.78481	-1.1350	0.2336	2.1997		86.01
39		0.94193	0.0113	-0.6789	1.1461		78.00
40		0.86123	-0.5810	0.4477	1.7113		198.98
47		1.22206	-0.4881	1.6896			126.34
51		0.86169	-0.1948	0.6584			46.04
96		0.61379	-0.4268	1.8882			35.77
100		1.16006	-2.2801	-1.8059			107.52
101		0.98943	-2.5110	0.0517			27.81
113		1.13256	0.1537	0.8384	3.4080		24.73

N=62224 M1=56.6780 M2=619.7447 Critical Z=165.93

Table 107. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 5 Writing

Item	a	b	c	Fit-Z	Item	a	b	c	Fit-Z
52	1.07632	-0.4204	0.3084	4.47	73	1.10107	-0.6817	0.1738	32.63
53	0.91791	-0.3652	0.2264	12.15	74	1.27190	-1.0032	0.1903	12.82
54	0.59545	-0.5671	0.0945	2.75	75	1.17239	-1.2803	0.3728	4.93
55	0.90211	-0.7237	0.1816	3.51	76	0.88168	1.5693	0.2728	12.71
56	0.65759	-1.0463	0.2000	6.64	77	1.11571	-1.2083	0.1434	22.77
57	1.19993	-1.5364	0.2197	10.71	78	0.97353	0.0229	0.3557	8.88
58	0.57088	0.8264	0.1696	5.19	79	0.36949	0.6198	0.1425	14.39
59	0.70413	-0.5792	0.1048	0.96	80	1.29038	-0.4982	0.2167	15.46
60	1.15164	-1.0832	0.1779	4.20	81	1.26942	-0.4486	0.2933	7.34
61	0.75751	-1.5265	0.0771	10.41	82	0.78676	-0.1206	0.1925	0.60
62	0.77739	-1.4594	0.2000	8.89	83	0.62381	0.8499	0.1272	5.32
63	0.96749	-1.4814	0.1847	3.43	84	1.02727	-1.3422	0.1836	1.63
64	0.62104	-0.0159	0.1195	3.40	85	1.11580	-0.4994	0.2000	5.84
65	0.86483	-0.9625	0.2803	3.48	86	0.51499	-0.7058	0.0879	44.73
66	0.63251	-2.4745	0.2000	5.31	87	1.48331	-0.4838	0.2629	10.75
67	1.12585	-0.4761	0.2245	5.57	88	0.77142	-0.0323	0.1838	4.47
68	0.84927	-0.1577	0.2272	18.70	89	1.17049	-1.5396	0.2799	6.62
70	0.92637	-0.5556	0.2441	7.14	90	0.69485	-0.5435	0.0946	3.76
71	0.41673	0.3289	0.2416	2.77	91	0.59395	-0.3434	0.0667	59.02
72	1.31604	-1.0463	0.2027	18.97	92	1.43350	-0.9658	0.3736	11.60

N=62250 M1=51.8308 M2=508.4214 Critical Z=166.00**Table 108. Item Parameter and Fit Summary, Constructed-Response Items, Grade 5 Writing**

Item	Part	f	g1	g2	g3	g4	Fit-Z
1		1.03804	-5.1374				4.53
2	A	0.96262	-1.5277				9.24
2	B	1.12249	-2.7407				7.23
2	C	1.15915	-4.2242				2.11
2	D	1.29059	-0.5649				13.64
2	E	1.21866	0.1912				7.42
2	F	1.37849	-1.2374				5.29
3	A	1.11407	-2.2782	-3.2479	-0.0957	1.4322	269.05
3	B	1.24171	-4.3330	-2.9543	-0.0347	1.4996	127.34
3	C	1.64439	-5.1848	-3.2453			26.57
69		0.85808	-2.4789	-2.7413	-0.9051	1.5927	114.97
93		0.66338	-1.1014	-2.1872	-0.2182	1.6677	240.81
116		0.92121	-2.2983	-2.6084	-0.4429	1.4014	132.28

N=62250 M1=51.8308 M2=508.4214 Critical Z=166.00

Table 109. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 5 Mathematics

Item	a	b	c	Fit-Z	Item	a	b	c	Fit-Z
1	0.73555	-0.4788	0.3530	6.68	35	0.56104	-1.1223	0.2000	6.46
2	1.19716	0.1808	0.1581	9.46	37	0.72776	-1.7508	0.0708	1.70
3	0.85245	-1.7557	0.2000	11.41	38	1.21290	1.0353	0.2109	13.38
4	0.99910	0.0707	0.1657	1.93	39	1.12436	-0.7498	0.2161	9.74
5	0.75597	-1.4018	0.0537	38.64	40	0.88031	-0.9456	0.1141	0.97
7	0.69775	-2.5171	0.2000	15.33	41	1.46115	-0.7009	0.1693	53.93
9	1.30409	1.0847	0.2099	20.95	42	1.09466	-0.2245	0.0898	68.74
10	0.86476	-0.7055	0.1577	0.56	44	0.54233	-0.9538	0.2000	8.90
12	0.87147	-0.2160	0.1123	16.45	45	0.85241	0.8478	0.3457	6.34
13	1.00394	-1.3024	0.2962	1.19	47	0.91340	0.1091	0.1987	0.94
15	0.93851	-0.8000	0.1820	5.83	48	0.91095	-1.0390	0.1367	2.29
16	0.94836	-0.7166	0.1440	31.64	50	0.71124	-2.0601	0.2000	2.38
17	0.68457	-2.1573	0.2000	2.76	51	0.54190	-2.8534	0.2000	12.96
18	0.59602	-2.2798	0.2000	42.47	52	1.61259	1.4893	0.1753	203.50
19	0.42512	-0.1203	0.1736	13.49	53	1.41760	0.6972	0.3446	9.48
20	0.67835	-1.7688	0.0911	1.76	55	1.15996	-0.3064	0.1893	3.69
21	0.89875	-0.7301	0.1216	8.45	56	0.76428	-1.9486	0.1082	1.71
22	0.77375	1.3868	0.3402	7.83	57	0.81012	0.7036	0.2425	1.34
24	0.51093	0.2422	0.1044	2.88	58	0.98586	0.5119	0.2966	2.07
25	1.01049	-1.1830	0.2303	7.67	60	0.76739	-0.9514	0.0790	5.53
27	0.52116	-2.5662	0.2000	23.07	61	0.63110	-1.1362	0.1736	13.95
28	0.79358	-1.5260	0.1736	103.22	62	0.60129	-2.2621	0.2000	35.78
29	0.71187	-0.4632	0.0746	3.52	64	0.72458	-0.8374	0.2000	12.73
30	0.82768	0.5236	0.2195	1.78	65	0.70640	-1.3716	0.1054	8.03
32	0.64177	-0.3863	0.1870	2.24	66	0.69243	-0.7786	0.2000	15.48
33	0.64653	-2.0907	0.2000	20.03	67	0.67956	0.3840	0.2087	1.91
34	1.12618	0.2762	0.1594	10.25	68	0.91403	0.5011	0.2166	3.55

N=62562 M1=67.1942 M2=526.0359 Critical Z=166.83

Table 110. Item Parameter and Fit Summary, Constructed-Response Items, Grade 5 Mathematics

Item	Part	f	g1	g2	g3	g4	Fit-Z
6		1.04706	-1.8698	-1.0486	-0.2908		39.77
8		1.10622	-1.3465	-1.5816			60.81
11		1.14212	-0.1739	0.3104	0.8329		15.60
14		0.87678	-2.2623	-1.0906	0.8310		37.29
23		0.93133	-1.6960	-1.2488	0.5312	1.4704	268.90
26		0.96691	0.0216	-0.4143			298.14
31		0.80162	-0.8149	-0.5901	-0.4840		121.88
36		0.89229	-1.1855	0.0149			44.34
43		1.33577	0.8714	0.0198	1.0758		91.69
46		1.12856	-1.8709	-1.5277	0.2708	0.7798	26.40
49		1.12517	0.5215	-1.1611			23.31
54		1.26210	0.6840	-0.8404			25.63
59		0.93605	-1.2698	-0.3700			136.31
63		0.93815	-1.6607	-0.6076	0.7222		14.63
69		0.68084	-0.6947	-0.6703	0.2750	-0.7517	69.00

N=62562 M1=67.1942 M2=526.0359 Critical Z=166.83

Table 111. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 5 Science

Item	a	b	c	Fit-Z	Item	a	b	c	Fit-Z
1	0.24935	-2.6370	0.2000	12.95	39	0.87718	0.5834	0.2072	6.75
2	0.77873	0.2017	0.3858	10.34	40	0.74755	-0.9586	0.2936	1.73
3	0.48389	-1.4010	0.2000	26.74	41	0.59585	-1.2823	0.0900	1.66
4	1.33185	-1.1244	0.2673	7.13	43	0.85567	-0.5354	0.2249	0.81
5	0.61426	0.1029	0.2277	16.48	44	1.72499	-0.3068	0.1995	11.24
6	0.61773	0.6282	0.2590	6.53	46	0.47491	-0.8181	0.1141	8.68
7	0.80289	-0.2739	0.0727	21.90	48	0.20977	-4.0052	0.2000	45.09
8	1.17328	-0.9135	0.1803	3.00	49	0.37347	-2.5901	0.2000	31.94
10	0.57900	-1.6094	0.2000	13.25	50	1.25211	0.2040	0.1893	13.22
11	0.30327	0.7307	0.2000	17.47	51	0.62540	-1.7249	0.2973	11.55
12	1.34850	1.1286	0.1058	148.70	52	0.42742	-1.9345	0.2000	64.42
13	0.26195	-0.2659	0.2000	6.33	53	0.85097	-0.5264	0.1722	1.95
14	0.76987	1.8546	0.1503	4.55	55	0.59734	0.1449	0.2670	8.15
15	0.65821	-0.3438	0.2644	8.08	56	0.89707	-0.8942	0.2071	2.82
16	1.00733	0.9394	0.1799	8.94	57	0.77718	1.4380	0.1561	2.84
17	1.05668	-0.3371	0.1460	2.34	58	0.62393	-1.2180	0.0827	6.63
18	1.16753	-1.2392	0.2291	9.22	60	0.47853	1.8158	0.1802	5.60
19	0.75028	1.1754	0.1579	3.16	61	1.14186	-0.0806	0.3799	19.70
20	0.28446	1.6783	0.2000	17.45	63	0.75994	-0.3059	0.1649	7.57
26	1.14227	0.4321	0.2880	5.62	64	1.31132	0.6583	0.2691	19.44
27	0.67513	-1.7731	0.2000	21.89	66	0.83477	-0.1735	0.2231	27.72
28	0.46621	0.1227	0.2000	20.05	67	0.57411	-0.1223	0.2000	32.57
29	0.68032	0.1021	0.2062	0.83	68	1.08981	1.3101	0.1485	62.39
30	0.69869	-1.0615	0.2734	11.12	69	0.67915	-0.1066	0.4059	7.86
32	0.61164	-0.4318	0.0729	-1.60	71	0.81956	0.6188	0.1956	7.74
33	0.53347	0.1041	0.2661	9.89	72	0.81365	1.3488	0.1732	11.87
34	0.70872	1.6761	0.2668	4.71	73	1.25433	1.5127	0.2382	12.96
36	0.46716	0.5026	0.1134	0.81	74	0.62121	-1.4666	0.0926	12.62
37	0.56200	-0.3796	0.1402	2.39					

N=62657 M1=61.5544 M2=502.2540 Critical Z=167.09

Table 112. Item Parameter and Fit Summary, Constructed-Response Items, Grade 5 Science

Item	Part	f	g1	g2	g3	g4	Fit-Z
9		0.54985	0.2292	1.4538			8.61
21		0.45421	-1.4711				35.67
22		1.00596	-0.0978				3.61
23		1.01757	-1.0904	0.5868			40.13
24		1.14835	-1.3162	0.3457			53.97
25		1.05781	-0.8402				45.71
31		1.01613	-1.0047	0.2761			18.27
35		1.14242	0.8868	2.0611			76.76
38		0.79000	-0.3939				16.67
42		1.05085	-1.1507	-0.6751			7.30
45		0.93403	-0.6274	1.0160			50.47
47		0.59745	-0.5599	-0.4926			15.96
54		0.94584	1.0959	-1.2413			15.76
59		0.79285	-0.4897	0.4802			61.76
62		1.20832	-1.3036	-0.0053			38.93
65		1.74498	0.8710				45.62
70		0.87252	-0.3134	0.7255			13.70
75		0.85815	-1.6499	-0.6822			27.22

N=62657 M1=61.5544 M2=502.2540 Critical Z=167.09

Table 113. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 6 Reading

Item	a	b	c	Fit-Z	Item	a	b	c	Fit-Z
5	0.66772	-2.0435	0.2000	7.62	40	0.66804	-1.4613	0.0516	11.04
7	1.45737	-0.3165	0.3223	14.17	41	0.60712	-0.1407	0.2000	10.65
8	1.12443	1.2601	0.1959	26.43	42	0.48195	1.9387	0.1963	47.57
9	0.84559	0.9948	0.4308	5.20	43	0.42519	-1.0130	0.0973	3.83
10	0.56499	0.1176	0.2000	7.39	44	0.47208	-0.1094	0.2000	104.67
13	1.07331	0.3601	0.2578	10.95	45	1.45173	1.0549	0.1776	204.62
14	0.86546	-0.0851	0.1953	6.21	48	0.95178	0.0813	0.4006	9.92
15	0.84249	-1.0298	0.1594	0.88	49	0.90435	0.0889	0.3008	6.52
16	0.55749	-1.5223	0.2000	42.53	50	0.76792	0.6014	0.2322	6.76
17	0.77389	-2.1824	0.1802	8.55	51	0.53601	-1.0567	0.1575	20.97
19	0.90265	-1.2609	0.1777	8.93	52	0.96414	0.3791	0.1889	8.10
20	0.55899	-1.6784	0.0824	7.97	95	0.70783	-0.1078	0.2051	5.47
21	0.60270	-1.9005	0.1142	4.45	96	0.81929	-0.5422	0.1759	13.71
22	0.52583	-0.5547	0.0390	31.46	97	0.99352	-2.3683	0.2000	11.14
24	1.17268	-0.5055	0.0938	4.46	98	0.58629	-1.8487	0.1802	21.33
25	1.05098	-1.9815	0.1727	7.06	100	1.08581	-0.9131	0.2530	9.14
26	0.99695	-0.9110	0.1185	5.36	101	1.10717	-1.2607	0.1916	15.15
27	0.55781	-0.5596	0.2000	86.33	102	1.14235	-0.8507	0.2454	3.20
29	0.80151	-0.6741	0.1871	6.51	104	1.20631	-0.8334	0.1563	14.96
30	0.81159	-1.8684	0.1719	7.96	105	0.68978	-1.5060	0.0638	12.89
31	0.42552	-0.9410	0.2000	33.73	108	0.77874	-1.3592	0.1088	5.39
33	0.96802	-1.1118	0.3012	7.14	109	1.19716	0.1485	0.2634	11.77
34	0.50781	0.0368	0.2352	3.50	110	1.42203	-0.6246	0.2022	5.85
35	1.33738	-1.1210	0.2620	9.24	111	1.17554	0.2736	0.3684	19.40
36	0.93910	-0.9002	0.1270	6.91	112	1.01872	-1.9830	0.1093	6.41
37	0.75644	-1.5966	0.1016	3.81	113	0.81714	-1.3711	0.2624	12.46
38	0.77086	-1.2457	0.1089	6.59	114	1.33301	-1.4364	0.2027	7.59
39	1.40702	-1.1193	0.2404	6.24	115	1.06619	-1.9213	0.1030	7.10

N=61805 M1=54.1504 M2=635.1786 Critical Z=164.81

Table 114. Item Parameter and Fit Summary, Constructed-Response Items, Grade 6 Reading

Item	Part	f	g1	g2	g3	g4	Fit-Z
4		0.76806	0.3264	0.8311			43.81
6		0.51129	-0.9910	0.7884	0.3986		115.29
11		0.48097	0.2925	-0.2128	0.2845		37.92
12		0.54862	0.9918	-2.1381	-0.6557		203.18
18		0.88729	-1.0611	0.2556			41.02
23		0.82412	0.0497	0.3700			35.56
28		1.04414	-0.6388	-0.3654	1.7797		27.65
32		0.82111	-0.8780	0.5824	0.5289		325.94
46		0.95285	-1.5583	-1.0411			17.70
47		0.67713	0.2655	0.4721			69.53
99		0.78084	-1.4325	0.3964	1.9445		69.28
103		1.09499	-0.3355	0.5022	3.8923		22.83
106		1.06410	0.0862	0.6160			45.55
107		0.81138	-1.5655	2.0980			20.33

N=61805 M1=54.1504 M2=635.1786 Critical Z=164.81

Table 115. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 6 Writing

Item	a	b	c	Fit-Z	Item	a	b	c	Fit-Z
53	0.81577	-1.4648	0.0940	0.29	74	1.26113	-0.8008	0.1820	5.36
54	1.03481	-1.9507	0.1534	11.18	75	1.55584	-1.4281	0.2261	34.03
55	0.99268	-1.3867	0.2000	15.15	76	0.87820	-0.7740	0.1868	1.30
56	0.74266	-1.1618	0.1338	0.97	77	0.59441	-0.0281	0.1793	0.27
57	0.75902	-0.6630	0.2192	1.90	78	0.79407	0.2169	0.3697	13.59
58	0.98220	-1.3805	0.0911	37.82	79	0.92672	0.6389	0.2569	5.03
59	1.03506	-0.6785	0.2297	5.53	80	0.35508	-1.0556	0.1683	5.73
60	0.81996	0.8458	0.2260	17.21	81	0.69133	0.2203	0.1594	2.57
61	1.11349	-0.8249	0.2469	4.39	82	0.64012	-0.7395	0.1890	161.03
62	0.86169	-1.6888	0.2000	3.44	83	0.79633	0.8883	0.2038	20.30
63	1.06531	-1.7278	0.1398	12.52	84	0.49997	-0.3204	0.0704	17.71
64	0.55083	-0.8078	0.0808	10.05	85	0.32616	-0.4064	0.1456	3.33
65	0.99506	-0.0452	0.2648	3.94	86	1.34397	-1.1782	0.2088	41.32
66	1.20584	-1.0627	0.2225	3.56	87	0.69245	-0.0791	0.1885	15.54
67	0.78237	0.9996	0.2380	4.52	88	0.81366	-0.1339	0.1750	4.13
68	1.11024	-1.1467	0.2148	4.01	89	0.70078	0.1357	0.2859	15.38
69	0.60536	1.1226	0.2933	3.54	90	1.35975	-0.6818	0.2698	12.40
70	0.97445	1.1115	0.2830	7.04	91	0.91836	-0.4311	0.0870	32.35
71	1.28534	-1.3326	0.1348	11.00	92	1.17662	-0.3390	0.2398	11.49
72	1.24952	-0.9398	0.2136	3.18	93	1.20005	0.1934	0.2158	23.29

N=61732 M1=55.2373 M2=524.5665 Critical Z=164.62**Table 116. Item Parameter and Fit Summary, Constructed-Response Items, Grade 6 Writing**

Item	Part	f	g1	g2	g3	g4	Fit-Z
1		1.22651	-5.8730				5.56
2	A	1.14093	2.0333				16.07
2	B	0.58154	-0.8947				96.51
2	C	1.21961	-1.5786				46.04
2	D	0.87645	0.4804				9.09
2	E	1.52038	-0.7768				15.06
2	F	0.67776	2.4318				9.61
3	A	1.08151	-2.4187	-3.9121	-1.3048	0.4196	1123.10
3	B	1.20503	-3.9797	-3.3788	-1.0926	0.4677	44.42
3	C	1.42970	-3.9989	-3.4704			23.59
73		0.82585	-2.0559	-2.9632	-0.9296	1.2603	163.72
94		0.64250	-0.4068	-2.6737	-0.0488	1.7228	387.76
116		0.86222	-2.4401	-2.5411	-0.6479	1.1963	46.83

N=61732 M1=55.2373 M2=524.5665 Critical Z=164.62

Table 117. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 6 Mathematics

Item	a	b	c	Fit-Z	Item	a	b	c	Fit-Z
1	0.77521	-0.1441	0.2145	1.75	31	0.79088	-0.6868	0.1419	90.15
2	0.88164	-1.8439	0.1810	53.05	32	1.04184	-0.1788	0.1616	0.52
3	1.17405	0.2382	0.2595	12.89	34	1.03665	0.7401	0.4088	16.64
5	0.96764	0.8067	0.2883	6.94	35	1.51057	0.9917	0.1432	9.54
6	0.70302	-1.6164	0.2000	25.65	37	0.52652	-2.0211	0.2000	4.24
7	1.13093	0.4188	0.3098	4.80	38	0.58878	-0.1298	0.1418	11.11
8	1.26182	0.7190	0.4214	52.67	39	0.70492	-1.2958	0.0434	10.43
9	0.66902	-1.3831	0.1338	2.52	41	0.73555	-0.4031	0.0494	35.69
10	1.46917	-0.0267	0.2335	4.58	42	0.26577	0.4126	0.1842	14.53
12	0.69680	0.3248	0.1493	17.00	43	1.34921	0.6992	0.1496	22.24
14	1.16546	0.5812	0.1695	3.69	44	0.67487	-0.3870	0.0933	1.16
15	1.40880	0.6101	0.1336	24.71	45	1.00108	0.7699	0.2694	5.56
16	0.53603	0.0725	0.1810	30.32	47	0.92759	-0.6443	0.0490	14.03
18	1.60532	1.0195	0.0696	42.26	48	0.73753	0.3935	0.1775	1.30
19	1.45360	-0.0398	0.0910	5.82	49	1.38524	0.0491	0.0621	52.87
21	0.91112	-0.3029	0.1987	0.41	50	1.03939	-0.0021	0.0621	3.80
22	0.94311	-1.3425	0.1114	8.83	52	0.78212	-1.8750	0.1724	3.93
24	0.81011	-0.0196	0.1840	-0.18	54	1.08760	0.8696	0.4440	12.43
25	0.81704	-0.9561	0.0805	0.75	55	1.37683	0.6411	0.3981	36.17
26	1.32902	0.3933	0.2560	8.89	56	1.78749	0.7451	0.2740	97.15
28	0.75380	1.3212	0.2752	13.21	58	0.63132	0.9224	0.2217	4.87
29	1.46023	1.6555	0.2455	311.01	59	0.65656	-0.3437	0.1703	2.07
30	0.82887	-0.3144	0.1417	13.15					

N=61415 M1=66.0982 M2=540.9817 Critical Z=163.77

Table 118. Item Parameter and Fit Summary, Constructed-Response Items, Grade 6 Mathematics

Item	Part	f	g1	g2	g3	g4	Fit-Z
4		1.12710	-0.4731	1.7518			234.67
11		0.80217	-2.1126	-1.4957	-0.5756		10.46
13		1.29799	1.1324	0.6975			109.42
17		1.23687	-1.0711	-0.2386	1.6512		296.16
20		1.27472	-2.5503	-1.4557	-0.9687	2.2915	128.42
23		0.82809	-2.4532	-0.8674			31.89
27		1.48162	0.2526	1.1028	1.9377		21.50
33		0.83013	-0.2251	-0.6665			106.53
36		0.74591	-1.2838	-0.6802	-1.1609		165.28
40		0.88919	-1.3980	0.8644	1.8004	1.3326	426.75
46		0.83125	-1.5451	-0.0944			50.46
51		1.28726	0.8551	-0.1376	1.0562		113.54
53		0.93433	-1.7768	-0.9170	-0.3890		35.72
57		1.10935	0.5365	-1.5330			10.59
60		1.09871	-0.8088	-0.5261	-0.0347	0.7309	19.57

N=61415 M1=66.0982 M2=540.9817 Critical Z=163.77

Table 119. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 7 Reading

Item	a	b	c	Fit-Z	Item	a	b	c	Fit-Z
4	0.92238	-0.3389	0.3043	5.37	39	0.57285	-1.6531	0.2000	6.96
5	0.36316	1.2404	0.1395	19.25	40	0.59623	-0.0882	0.2619	12.42
6	1.00554	-1.1722	0.1716	6.76	41	0.57595	-1.0170	0.0887	2.94
7	0.45066	-1.0440	0.2000	127.00	43	0.99057	-0.9190	0.2010	6.57
9	0.69467	-1.4371	0.1843	25.94	45	0.82894	-1.0911	0.0425	104.33
10	0.75883	-1.2026	0.1700	4.29	46	1.05519	-1.4090	0.2581	5.73
11	0.79400	-2.1077	0.2000	7.22	48	1.39179	-1.0009	0.3558	5.33
12	0.36298	-1.3188	0.2000	22.68	49	0.31597	-0.3360	0.2000	130.12
15	0.47690	-1.2592	0.1583	1.67	51	0.66546	-1.3159	0.0664	14.01
16	1.02127	-1.0719	0.2533	8.43	94	1.11011	-1.6554	0.2276	11.71
17	1.16753	-1.8043	0.1690	4.00	95	0.75050	-1.3691	0.2000	14.31
18	1.05596	-1.7838	0.2015	4.98	96	0.44099	-2.3469	0.2000	41.72
21	1.24767	-0.5359	0.3031	6.49	98	0.68103	0.0752	0.2639	3.08
22	0.41069	0.0990	0.2000	53.04	99	0.73109	0.7483	0.2723	5.81
23	0.54004	-0.6700	0.1439	10.95	100	0.39623	-0.0669	0.2000	31.08
24	0.15117	1.4343	0.2000	8.04	101	1.14718	-0.5752	0.2347	12.95
26	0.93707	1.0977	0.1784	16.54	102	0.79287	-1.4860	0.0464	3.18
27	0.91883	-1.1541	0.2002	15.09	103	0.85821	-0.5876	0.1805	17.93
28	0.46758	0.1309	0.2000	22.89	104	0.68123	-0.1960	0.1562	13.08
29	0.49393	-1.9225	0.2000	39.05	105	0.58064	-1.8440	0.0993	9.98
30	0.55177	-1.1327	0.2116	-0.59	107	0.28034	0.8753	0.2000	9.77
31	0.70487	-0.5902	0.1639	9.34	108	0.61545	0.5910	0.2629	17.21
33	0.62871	-1.0688	0.2000	10.23	109	0.67891	-1.5204	0.1843	67.23
34	0.88815	1.2351	0.2403	8.35	112	0.72250	-1.4984	0.1459	6.28
35	1.16837	0.3985	0.1803	29.62	113	1.27747	0.0729	0.2803	15.56
36	0.50923	-1.1169	0.0829	26.58	114	1.04961	-0.2118	0.3282	21.98
37	0.69476	-0.5274	0.1164	7.44	115	1.03309	-1.9458	0.1350	5.98
38	0.80138	-1.8975	0.2000	20.44					

N=60646 M1=56.2625 M2=647.7439 Critical Z=161.72

Table 120. Item Parameter and Fit Summary, Constructed-Response Items, Grade 7 Reading

Item	Part	f	g1	g2	g3	g4	Fit-Z
8		0.93512	-0.7842	-0.7752	1.4830		25.41
13		0.79283	-0.3446	-0.8547	-0.8723		70.37
14		0.63983	-1.4066	-1.2327			77.30
19		0.82448	-0.7117	-1.4959			3.77
20		0.82678	-1.7644	-0.3784	0.7782		108.54
25		0.91025	-2.1979	1.2138	1.2450	1.9179	95.69
32		1.26254	-0.4482	0.8150			128.58
42		0.81737	-0.7636	-1.0867	-0.4146		26.28
44		0.75722	-0.3512	2.1610			26.01
47		0.80654	-1.3587	0.6925			43.24
97		0.50542	-0.2823	-0.6393	0.3472		75.26
106		1.62680	-1.6870	0.8715			24.91
110		1.13681	-0.6348	0.5225			27.46
111		0.85293	-2.0233	1.5659			22.69

N=60646 M1=56.2625 M2=647.7439 Critical Z=161.72

Table 121. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 7 Writing

Item	a	b	c	Fit-Z	Item	a	b	c	Fit-Z
52	0.82662	-1.5274	0.1814	2.70	73	1.46361	-0.4071	0.2971	17.93
53	0.49336	-1.6173	0.2000	30.57	74	0.63929	-0.3762	0.2531	13.55
54	0.34632	-0.5331	0.2000	36.86	75	1.16056	-0.6228	0.1601	19.61
55	0.47808	-1.1479	0.2000	103.04	76	0.77736	0.6033	0.2688	8.12
56	0.57826	-0.8864	0.2000	4.33	77	1.24011	-0.4121	0.1393	12.48
57	0.49312	-1.0698	0.1197	17.39	78	1.91240	-1.3505	0.3452	11.54
58	1.03756	-1.4771	0.2337	2.56	79	0.59173	-0.6594	0.0680	17.63
59	0.68388	-1.2538	0.0989	1.07	80	1.58221	-1.3503	0.1829	60.76
60	0.86240	-0.6796	0.1634	3.99	81	0.66385	-0.1127	0.2000	35.14
61	0.89746	-1.1040	0.1432	4.61	82	1.03701	-0.8324	0.1705	35.02
62	0.35457	-2.3167	0.2000	55.38	83	1.41373	-0.7928	0.2139	6.09
63	0.68842	-0.9921	0.2000	17.64	84	1.40173	-0.8071	0.1349	60.45
64	0.43549	0.4203	0.2000	8.03	85	1.17088	-0.8296	0.2640	6.59
65	0.63216	-1.1497	0.0802	20.72	86	0.89502	-0.7697	0.1548	28.46
66	0.64704	-1.6475	0.2000	27.06	87	0.77593	-0.8901	0.1412	40.58
67	1.24284	-1.1085	0.2204	3.43	88	1.81729	-0.8219	0.2341	22.43
68	0.36926	-0.3968	0.2000	32.77	89	1.45135	-1.0459	0.1941	16.81
69	1.17202	-0.6843	0.1689	30.07	90	0.72654	1.8454	0.1509	17.10
71	0.97029	-1.2643	0.1751	2.55	91	1.07033	-0.4665	0.2179	13.12
72	1.20165	-1.0353	0.2500	8.16	92	1.84026	-0.4596	0.1959	38.48

N=60571 M1=62.7317 M2=559.6068 Critical Z=161.52**Table 122. Item Parameter and Fit Summary, Constructed-Response Items, Grade 7 Writing**

Item	Part	f	g1	g2	g3	g4	Fit-Z
1		1.13017	-5.4941				4.19
2	A	1.20706	-3.1078				16.74
2	B	1.23662	-2.5026				0.36
2	C	0.92321	0.1878				15.09
2	D	0.97073	1.5326				9.67
2	E	0.66621	-2.5091				4.12
2	F	0.78551	0.1845				137.63
3	A	0.87001	-0.8283	-1.6020	0.1537	1.9215	497.20
3	B	1.27041	-5.8138	-2.6421	0.1987	2.3408	115.13
3	C	1.73733	-6.7473	-3.0101			28.68
70		0.89617	-2.4414	-2.9662	-0.2066	2.4144	140.68
93		0.80776	-1.2913	-2.5507	-0.1801	1.7134	441.66
116		0.93053	-2.5871	-3.0795	0.1253	2.1573	123.46

N=60571 M1=62.7317 M2=559.6068 Critical Z=161.52

Table 123. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 7 Mathematics

Item	a	b	c	Fit-Z	Item	a	b	c	Fit-Z
1	1.31198	0.4035	0.2134	34.76	32	0.81913	0.3757	0.0786	60.44
2	1.21961	-0.2332	0.1967	4.20	33	1.22362	0.8536	0.1505	15.50
4	0.83887	-0.1513	0.1333	9.12	35	0.98466	0.4242	0.1229	9.58
5	0.71716	0.5593	0.2168	-0.22	36	2.30241	0.9851	0.2696	114.42
7	0.76546	-0.8559	0.2000	10.07	37	0.71831	-0.1717	0.0797	6.31
8	0.85230	-0.5273	0.1862	-0.08	38	0.75788	1.9584	0.3986	2.29
9	0.94194	1.8829	0.2636	2.06	39	1.61481	0.5466	0.1242	28.50
10	1.14968	0.2845	0.1545	10.30	41	0.64175	0.5658	0.2814	62.81
12	0.68935	-0.2331	0.0776	1.08	42	0.70921	-0.7526	0.0443	13.82
13	0.87647	1.7975	0.1633	35.07	44	1.10803	0.2292	0.2063	4.91
14	0.75897	1.6217	0.2608	8.86	45	0.89634	0.6269	0.2953	13.46
16	1.16119	0.7738	0.2228	1.25	46	1.32918	1.5043	0.1825	50.27
17	0.72431	-0.2150	0.1958	4.55	47	1.01143	0.4810	0.1668	70.28
18	1.18780	0.8082	0.1435	14.49	49	1.04217	-1.0593	0.0513	10.50
19	1.12129	0.4304	0.2472	2.81	50	0.51217	-0.2452	0.2562	6.24
21	0.89786	0.8005	0.2513	5.73	52	0.72003	0.9411	0.2858	5.79
22	0.39346	0.4372	0.0832	48.88	53	0.63008	0.4254	0.2090	4.04
24	1.33843	0.1017	0.2618	28.28	54	1.29588	0.5956	0.1736	34.93
25	0.85358	0.7429	0.0747	14.51	55	0.87859	0.0734	0.1624	42.29
27	1.51589	0.5254	0.0651	58.31	57	0.70919	1.3456	0.1172	7.74
28	1.54962	0.4586	0.2860	2.24	58	1.11688	-0.0816	0.1633	32.90
29	1.12586	1.0868	0.2202	6.11	59	1.11395	1.7834	0.2065	9.75
31	0.58750	-2.0258	0.2000	15.88					

N=60519 M1=67.4389 M2=563.3510 Critical Z=161.38

Table 124. Item Parameter and Fit Summary, Constructed-Response Items, Grade 7 Mathematics

Item	Part	f	g1	g2	g3	g4	Fit-Z
3		0.92987	1.3200	2.1963			18.56
6		1.40225	-2.3156	-1.5492	0.7556		101.28
11		0.84553	0.3211	1.8512			566.67
15		1.34487	-0.5406	0.5291	1.1993		19.69
20		1.05118	-0.5953	1.1292	1.4890	0.9297	179.15
23		1.18578	2.0400	0.0554			64.93
26		0.72067	-1.4109	-0.7836	-1.6163		182.72
30		0.67929	0.0396	-0.8914			98.14
34		1.35769	-0.9901	-0.0630	1.3390		97.14
40		1.18669	1.5960	0.3720	1.2798	0.2348	123.51
43		1.41212	1.6125	0.4344			46.33
48		1.40204	-2.5809	-2.2311	0.4873		35.98
51		0.57699	-1.6132	0.5615			164.68
56		0.83534	-0.8752	0.7707	2.1282		48.72
60		0.74022	-0.1501	0.1236	0.6888	2.6615	44.06

N=60519 M1=67.4389 M2=563.3510 Critical Z=161.38

Table 125. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 8 Reading

Item	a	b	c	Fit-Z	Item	a	b	c	Fit-Z
4	0.33587	-2.2846	0.2000	5.30	39	0.62264	-1.3409	0.2000	6.77
5	0.71789	-1.8643	0.1848	4.83	40	0.87899	0.9439	0.2315	10.42
7	0.72418	-0.5987	0.1765	15.94	41	1.33330	0.0779	0.2120	38.79
8	0.55252	-1.4030	0.0897	49.04	42	0.87227	-1.6938	0.2000	17.70
9	0.79493	-0.2974	0.1944	11.96	43	0.24435	0.1228	0.2000	81.85
11	1.04331	-1.8722	0.1354	14.96	45	1.17898	-1.5017	0.3399	10.72
12	0.39019	-1.9087	0.2000	113.59	47	0.64790	-1.2931	0.2000	293.23
13	0.34649	-1.6568	0.2000	4.70	49	1.15441	1.0970	0.2418	57.61
14	0.99413	-0.9790	0.2848	22.61	50	0.98653	-0.7679	0.2077	2.75
15	0.94168	-0.8758	0.1772	8.11	51	0.35895	0.5828	0.2000	30.54
16	0.78415	-1.5731	0.1191	2.55	52	1.08101	-0.3894	0.2894	9.31
17	0.66860	0.8838	0.1099	22.20	53	0.83716	-0.0347	0.2716	16.25
18	0.53437	-1.2410	0.2000	75.95	55	0.33114	0.8937	0.0830	11.88
22	0.52595	-1.8245	0.2000	77.08	56	0.75629	0.0240	0.1153	10.66
23	0.92911	0.9760	0.1837	34.45	99	0.54949	-0.2327	0.1685	1.39
24	0.36960	-0.4514	0.1133	28.48	100	0.17273	0.5189	0.2000	127.76
25	1.03565	-0.7082	0.3039	4.39	101	0.52822	-0.0038	0.0691	-0.20
26	0.98148	-1.3323	0.2526	10.42	103	0.38552	-1.4787	0.2000	12.18
27	0.98991	-0.7931	0.1431	8.12	104	0.68610	-1.0211	0.1884	32.97
28	0.92317	0.4763	0.2660	7.65	105	0.53481	1.4034	0.2478	2.43
29	1.15257	0.4843	0.2286	12.50	106	0.94258	-1.6417	0.2000	16.87
31	1.29576	-0.6469	0.3327	3.33	107	0.37049	-0.6071	0.2000	36.92
32	0.74312	-0.7505	0.2876	5.87	109	1.06170	0.7064	0.2990	26.83
33	1.05043	-0.5789	0.1581	16.93	111	0.63222	-0.6300	0.1788	8.12
34	0.91807	-0.0678	0.2247	4.06	112	0.64844	-0.7812	0.2000	-0.63
35	0.51961	-2.1725	0.2000	43.72	113	1.00885	-1.2080	0.1613	7.43
36	0.53631	-1.2599	0.2000	-0.03	114	0.50319	-0.2696	0.1884	50.24
37	0.65723	-0.8663	0.1074	0.05	115	0.80599	-0.5693	0.1725	6.53

N=59608 M1=52.8178 M2=658.0831 Critical Z=158.95

Table 126. Item Parameter and Fit Summary, Constructed-Response Items, Grade 8 Reading

Item	Part	f	g1	g2	g3	g4	Fit-Z
6		0.76284	-1.2333	-0.2921			13.81
10		0.88556	-1.5772	-0.0671	1.3719		51.67
19		0.99263	-1.5068	-0.3000			40.23
20		0.73273	-1.3440	0.3113	1.1456		76.18
21		0.85023	-1.4225	-1.8491			16.51
30		1.20782	-1.0224	0.7457	1.8956		135.02
38		1.16408	-0.7833	0.5375			109.37
44		0.65611	-0.4497	2.0461			40.61
46		1.01388	-1.5421	0.9163	1.4702		159.27
48		0.75404	-1.6166	0.4083			78.29
54		0.82892	0.3933	1.7214	1.1908		69.87
102		0.49631	-1.0967	0.8314	1.0514		33.86
108		0.59403	-0.5520	-1.3308			25.15
110		0.82200	-0.6834	-0.8090	-0.2706		64.21

N=59608 M1=52.8178 M2=658.0831 Critical Z=158.95

Table 127. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 8 Writing

Item	a	b	c	Fit-Z	Item	a	b	c	Fit-Z
57	0.97354	-0.5347	0.2486	6.30	78	1.00847	0.1059	0.2749	5.18
58	0.91402	-0.8978	0.1798	0.07	79	0.78203	0.6866	0.1011	35.08
59	0.19929	-5.8901	0.2000	68.07	80	0.99995	-1.6630	0.2705	11.16
60	0.86235	-2.1862	0.2000	52.22	81	0.95915	1.0763	0.2080	41.32
61	0.97463	-0.4011	0.2769	8.38	82	0.90122	0.3490	0.2344	11.59
62	0.55154	-1.5475	0.2000	15.57	83	0.92346	-0.0484	0.2853	11.36
63	0.77245	-0.3223	0.2463	4.64	84	0.55613	-0.8711	0.2000	18.93
64	0.53136	0.7386	0.2715	2.25	85	1.52464	-0.6942	0.2823	13.33
65	0.68105	-0.1750	0.2310	3.32	86	0.76827	-0.0795	0.2071	11.00
66	0.90862	-1.1407	0.3505	6.71	87	1.15124	-0.5830	0.1655	10.91
67	0.54006	-0.4969	0.0971	1.91	88	1.32571	-1.3287	0.1127	23.73
68	0.57315	-1.2069	0.0983	5.27	89	1.28194	-0.4878	0.1905	19.76
69	0.56866	0.3358	0.1105	30.54	90	0.78723	1.1167	0.1925	62.22
70	0.83040	-0.9759	0.1923	4.67	91	0.57528	0.4638	0.1410	8.46
71	1.49760	-1.3560	0.2831	8.54	92	1.34111	-0.9940	0.1781	14.49
72	0.19311	-1.3449	0.2000	36.18	93	1.47733	-1.0508	0.2323	17.41
73	0.62931	-1.4988	0.0967	3.09	94	1.36584	-0.4959	0.2070	13.95
74	0.75726	-1.0579	0.2000	5.70	95	1.85910	-1.0589	0.2610	16.49
76	1.27675	-1.9752	0.2235	14.72	96	0.87158	-0.7747	0.0368	118.34
77	0.83722	-2.0808	0.2000	58.53	97	0.71227	-0.7307	0.1415	138.61

N=59372 M1=62.9726 M2=567.0367 Critical Z=158.33**Table 128. Item Parameter and Fit Summary, Constructed-Response Items, Grade 8 Writing**

Item	Part	f	g1	g2	g3	g4	Fit-Z
1		1.04818	-5.4843				2.72
2	A	0.79191	-1.5853				3.63
2	B	1.29367	-2.1156				13.05
2	C	0.88684	-1.0850				7.16
2	D	0.64927	-1.4069				35.15
2	E	1.11828	-0.8714				8.87
2	F	1.03855	-0.6524				5.50
3	A	1.15473	-3.4552	-3.1308	-0.2454	1.7860	213.03
3	B	1.29017	-5.3143	-3.4207	-0.2758	1.8616	57.73
3	C	1.55584	-6.0640	-3.5286			20.06
75		0.86540	-2.3891	-2.9566	-0.6736	2.0494	116.94
98		0.78464	-1.6157	-2.1901	0.0512	1.9708	261.55
116		0.76650	-2.1138	-2.4306	-0.1444	1.8469	143.58

N=59372 M1=62.9726 M2=567.0367 Critical Z=158.33

Table 129. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 8 Mathematics

Item	a	b	c	Fit-Z	Item	a	b	c	Fit-Z
1	0.51699	1.8088	0.3189	2.56	31	0.68930	0.6230	0.3322	6.08
2	1.04657	0.6726	0.2192	0.41	32	1.31867	0.8786	0.2903	14.89
3	0.94680	0.8388	0.1185	38.42	33	1.12192	-0.1795	0.1173	6.34
5	1.27926	0.2954	0.1968	21.53	34	1.07935	0.6247	0.0758	23.16
6	0.74248	0.3023	0.2581	40.76	36	0.41041	-0.8146	0.1364	20.17
7	0.96193	-0.3345	0.1479	2.47	37	1.14501	1.2920	0.3058	5.12
8	0.75127	0.5055	0.0621	23.96	38	0.87075	0.2892	0.0518	13.37
10	1.65540	-0.2849	0.2073	6.13	39	1.60258	0.5664	0.1091	22.62
11	1.11216	1.2953	0.3494	18.33	41	1.05021	1.9994	0.2915	2.38
12	1.28505	0.5487	0.3126	4.15	42	0.64168	0.1452	0.1025	-0.96
13	1.52576	0.4614	0.0874	28.64	43	1.55311	0.3780	0.0913	13.25
15	0.29602	1.9531	0.2000	89.86	45	1.39586	0.7962	0.3029	20.23
16	1.64928	0.8509	0.2119	57.87	46	1.01312	0.2289	0.2764	8.89
17	1.61517	1.0681	0.1298	68.87	48	0.61750	-0.4714	0.0689	1.05
19	1.08102	2.3998	0.1003	63.58	49	0.75484	0.0841	0.1920	1.12
21	0.44566	-1.0305	0.2192	12.87	51	1.03598	0.7034	0.1736	5.41
22	0.41148	-2.0105	0.2000	41.17	52	0.90331	0.1754	0.2424	1.13
23	0.47994	0.6462	0.1997	48.89	54	1.04594	-0.2336	0.2063	6.63
24	1.00526	-0.0838	0.0997	14.86	55	0.87684	-0.9494	0.1528	3.21
26	1.38620	0.4852	0.2353	5.03	56	0.93975	2.1081	0.4186	12.09
28	1.18929	0.8037	0.0734	16.53	58	1.39733	0.2614	0.1334	18.22
29	0.63564	-0.7469	0.0492	3.40	59	0.81829	0.8388	0.3059	28.60

N=59678 M1=64.0910 M2=579.5449 Critical Z=159.14

Table 130. Item Parameter and Fit Summary, Constructed-Response Items, Grade 8 Mathematics

Item	Part	f	g1	g2	g3	g4	Fit-Z
4		1.22702	0.7900	-0.0703			131.10
9		1.06333	-1.3159	-0.6067	2.1832		63.99
14		1.03140	2.4852	-0.1936			46.09
18		0.82928	0.6967	0.5979	3.5071		79.44
20		1.05777	0.8963	0.4920	0.9935	2.1395	97.59
25		1.63342	-1.3877	1.4902			166.84
27		1.38108	-2.8030	-2.6059	-0.0074		41.35
30		1.27761	-0.2254	0.5676			83.63
35		0.83393	-0.8279	1.4139	-0.6872		55.15
40		1.19646	-0.2520	0.7399	1.3400	1.4746	52.66
44		0.93311	1.0651	2.0202			13.51
47		0.97605	-1.9131	1.0027	1.7240		265.78
50		1.59153	1.2503	1.9699			21.90
53		0.94088	-0.7814	-1.1149	1.0765		255.13
60		1.21448	-2.0862	-1.9829	-0.3081	0.5536	292.11

N=59678 M1=64.0910 M2=579.5449 Critical Z=159.14

Table 131. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 8 Science

Item	a	b	c	Fit-Z	Item	a	b	c	Fit-Z
1	0.43464	-0.9145	0.2000	46.35	42	0.47795	-0.0549	0.1615	2.27
2	0.94201	-0.6058	0.3268	10.08	44	0.56391	1.1130	0.3628	0.03
4	0.76224	-1.1029	0.0476	1.65	46	0.67606	0.6952	0.1488	4.48
5	0.67866	1.8770	0.1981	-0.19	47	0.61133	0.5032	0.3264	13.54
6	0.78035	0.3586	0.2011	1.63	48	0.91313	0.3694	0.1377	4.04
7	0.85941	0.1961	0.2762	1.53	50	0.68449	0.9192	0.3950	2.65
8	0.73670	0.7899	0.1798	3.00	51	0.58989	-0.2413	0.1254	-0.43
9	1.20983	0.6144	0.2306	14.30	52	1.29096	0.4158	0.3583	16.72
10	0.56398	-0.4391	0.1316	17.91	53	1.14204	-0.8284	0.1783	5.80
11	0.20744	0.7324	0.2000	7.89	54	0.94623	-0.2798	0.2338	21.35
12	0.52247	1.3563	0.2623	4.61	56	0.42558	-1.3917	0.2000	52.81
13	0.64427	1.3224	0.1535	0.77	57	0.75410	0.8869	0.2846	3.65
15	0.71980	-0.6803	0.0529	11.15	60	0.78247	-0.4369	0.2975	1.77
16	0.38053	0.1077	0.1448	9.54	61	0.61590	-1.2106	0.2000	37.03
17	0.50924	-0.7782	0.0885	18.48	62	0.89513	0.2908	0.1304	8.23
18	1.28895	0.5300	0.2113	17.29	63	0.64834	-1.2654	0.2056	8.26
19	1.14034	1.0490	0.3175	11.46	65	1.14403	0.0850	0.2875	57.85
26	0.54772	-1.4774	0.2000	7.98	66	0.52168	-0.6485	0.1983	16.78
27	0.69518	-0.2201	0.2385	3.14	68	0.48190	1.6203	0.2253	1.62
28	0.36544	-0.2806	0.2000	12.55	69	0.65743	1.4471	0.1246	0.80
30	0.85019	-0.4178	0.1261	7.09	70	1.01430	-0.0626	0.2689	3.11
31	0.93312	1.5695	0.2490	12.14	71	0.80072	0.0768	0.2390	0.89
32	0.29254	-1.1535	0.2000	9.09	73	1.05878	-0.8200	0.2688	4.25
33	0.54081	1.8068	0.2635	3.57	74	0.78397	-1.2803	0.0720	51.06
34	0.99772	0.3627	0.3098	2.77	76	0.71060	-0.0323	0.0579	34.44
36	1.01252	0.0980	0.3048	3.41	77	0.55916	-0.8945	0.1281	11.23
37	0.56059	0.5010	0.1841	2.11	78	0.32430	-0.0834	0.2000	6.26
39	0.27553	0.5460	0.2000	-0.26	79	1.02896	0.5651	0.1257	7.81
40	0.99325	-0.6899	0.1240	1.43	80	0.77473	1.9654	0.3223	1.63
41	1.35802	0.0919	0.1260	15.87	82	0.49289	-0.9643	0.1458	42.01

N=54922 M1=54.1258 M2=505.8569 Critical Z=146.46

Table 132. Item Parameter and Fit Summary, Constructed-Response Items, Grade 8 Science

Item	Part	f	g1	g2	g3	g4	Fit-Z
3		0.78095	0.0338	0.7711			13.79
14		0.88612	1.1499				5.58
20		1.23460	-0.2359				1.57
21		0.80643	-0.9648				8.32
22		0.74794	-0.7139	-0.4286			49.51
23		1.05433	-0.8857				17.10
24		0.61530	-0.3103	0.0974	-0.3516	0.2844	5.24
25		1.26544	-0.8719	-0.2076			46.54
29		0.50550	1.0884				5.60
35		0.79336	-0.6689	1.8604			17.07
38		1.02949	0.4369				9.15
43		0.88122	-0.0148				8.03
45		0.67183	1.0460				19.79
49		0.94640	-1.0288	2.0837			18.37
55		1.34793	0.2502	1.2594			23.27
58		0.77488	1.3560				4.23
59		1.38966	-2.0110	-1.0881	0.2624		29.31
64		1.52778	-0.3749	3.3314			130.48
67		0.95268	-0.2585	-0.0918			31.24
72		1.03123	1.0866	2.2938			29.87
75		1.38484	-0.4054	1.3405			156.80
81		1.15254	0.7258				0.80
83		0.84131	-1.6008	2.5464			118.98

N=54922 M1=54.1258 M2=505.8569 Critical Z=146.46

Table 133. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 9 Reading

Item	a	b	c	Fit-Z	Item	a	b	c	Fit-Z
5	0.28339	-3.2803	0.2000	62.59	41	0.66356	-0.5650	0.0312	7.70
6	0.76992	0.3912	0.1660	16.81	42	0.45778	1.1907	0.1707	18.86
8	0.74876	-1.3584	0.3239	3.92	43	0.83524	-0.4719	0.2132	5.08
9	0.77526	-2.2650	0.2082	7.66	44	0.61698	0.7334	0.2365	53.07
10	0.58995	-1.8261	0.2000	21.26	45	0.39932	-1.4582	0.2000	27.30
11	0.97462	0.5845	0.2354	8.49	46	0.92177	0.3591	0.3400	26.53
12	0.40699	-0.6893	0.2000	30.28	47	0.90782	-0.2031	0.2512	4.58
14	0.95556	-1.3212	0.0680	4.41	48	1.13257	-0.3398	0.2954	5.19
15	0.26353	-1.9628	0.2000	55.70	49	0.94214	-0.2621	0.2112	24.48
16	0.84129	1.2876	0.1361	3.58	50	0.44343	-0.9097	0.0862	11.98
17	0.85774	0.1855	0.2771	5.82	51	0.81187	1.5950	0.1687	25.00
18	0.80926	0.6543	0.2207	31.45	52	0.86080	0.3732	0.1568	7.62
20	0.83159	-0.2361	0.2795	15.17	95	0.38774	-0.8883	0.2000	101.43
23	0.61385	0.1545	0.0573	26.83	97	0.85468	-1.9346	0.2000	3.12
25	1.07346	-1.0874	0.1209	4.25	98	0.64514	-0.4988	0.2000	54.02
26	0.66083	1.5178	0.2904	9.07	100	1.22273	-2.8203	0.2000	45.76
28	0.89374	-2.1502	0.1051	11.38	101	1.44777	-2.5159	0.2000	20.85
29	0.54863	-1.9526	0.1108	5.75	103	0.95971	-1.5462	0.1385	5.55
30	0.83585	0.2159	0.2757	4.78	104	0.53186	-1.6097	0.1760	4.15
32	0.54160	-0.1817	0.1550	5.39	106	0.50689	2.4284	0.2171	12.40
33	0.53776	-1.9651	0.1191	5.02	107	0.77835	-0.0496	0.1857	5.69
34	0.99660	-1.0177	0.2576	2.79	108	0.54180	-1.7081	0.0969	6.30
35	0.79545	0.2929	0.1188	3.66	109	0.59017	-0.9089	0.1760	35.99
36	0.97789	-0.9529	0.1989	3.03	110	0.45174	-0.0311	0.0760	7.03
37	0.66484	0.0001	0.1660	13.08	111	0.57782	-0.5445	0.1294	-0.33
38	0.99641	-0.7400	0.2178	10.14	113	0.80545	-1.5722	0.2000	4.78
39	0.41188	-0.0842	0.2000	39.56	114	1.16234	-0.9657	0.2410	2.11

N=59301 M1=44.4260 M2=665.3102 Critical Z=158.14

Table 134. Item Parameter and Fit Summary, Constructed-Response Items, Grade 9 Reading

Item	Part	f	g1	g2	g3	g4	Fit-Z
4		0.57078	-1.7905	0.0270	0.8237		72.00
7		0.78820	-2.1621	-2.1732			28.57
13		1.24660	-3.0484	0.4730			19.05
19		1.35684	2.7065	2.1003			16.11
22		1.03168	-0.4523	0.6634	2.2580		14.08
24		0.90868	-2.5874	0.3257			80.58
27		0.86201	-1.5854	0.3828	1.4835		18.56
31		0.88205	-0.9593	-0.8989	-0.5205		15.05
40		0.88010	0.2369	1.5616	1.1968		42.24
96		1.18215	-1.7711	-0.1509	2.2996		47.11
99		0.88665	-1.4468	-0.9057	0.2251		55.01
102		0.83775	0.5518	-1.3855	-0.5208		77.45
112		0.89447	-1.4925	0.2277	2.3342		59.12
115		1.09900	-2.0500	0.3103	1.1425		24.53

N=59301 M1=44.4260 M2=665.3102 Critical Z=158.14

Table 135. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 9 Writing

Item	a	b	c	Fit-Z	Item	a	b	c	Fit-Z
53	0.46322	-1.3912	0.2000	3.22	74	1.39389	-0.4125	0.2191	13.76
54	0.39185	-0.9703	0.1311	3.61	75	0.80142	-0.9447	0.2000	18.03
55	0.90051	-1.2105	0.1479	6.14	76	0.34690	1.2054	0.2000	33.16
56	0.90393	0.1964	0.3326	4.83	77	1.13001	-0.4694	0.1293	4.90
57	0.51638	-1.4192	0.1956	5.22	78	0.76781	-0.1698	0.2083	11.28
58	0.85936	-1.8787	0.2000	3.68	79	1.27662	-0.8761	0.2122	10.88
59	0.78143	-0.9916	0.3092	1.02	80	0.97881	-0.7913	0.2601	11.57
60	1.00267	-1.4454	0.2093	3.12	81	1.83624	-0.7740	0.2591	17.08
61	0.53568	-0.1937	0.1789	7.52	82	1.26486	-0.2072	0.1713	20.76
62	0.52879	-0.6410	0.1021	1.36	83	0.69750	-0.7923	0.0825	133.95
63	0.66576	0.0466	0.2973	3.29	84	0.68705	0.0609	0.1524	27.12
64	1.78178	-0.9641	0.1956	19.85	85	0.68195	1.1056	0.2315	32.05
65	0.75510	1.0568	0.2085	25.09	86	1.08222	-0.2180	0.2016	11.12
66	0.64747	0.2800	0.1649	4.67	87	1.55780	-0.4942	0.1516	20.60
67	1.67174	-1.2396	0.2506	29.20	88	2.10162	-0.9963	0.3162	25.30
68	1.09363	-1.1119	0.2134	2.39	89	1.73222	-0.5132	0.2657	15.19
69	1.31088	-0.9779	0.2656	5.50	90	0.35151	-1.3956	0.2000	5.19
70	0.82911	0.1346	0.1842	9.41	91	1.13058	-0.6593	0.1621	25.78
71	1.18342	-0.5096	0.1492	6.75	92	0.85268	-0.2931	0.0423	108.28
73	0.59954	0.3599	0.3398	5.31	93	1.44476	-0.4842	0.1780	16.06

N=59160 M1=67.8924 M2=567.1256 Critical Z=157.76**Table 136. Item Parameter and Fit Summary, Constructed-Response Items, Grade 9 Writing**

Item	Part	f	g1	g2	g3	g4	Fit-Z
1		1.11391	-4.8283				5.61
2	A	1.04203	-1.6931				7.68
2	B	1.27014	-0.8138				8.00
2	C	0.39472	-0.0900				29.02
2	D	0.86794	1.4323				13.39
2	E	1.26884	-0.9271				31.87
2	F	1.03190	-0.1746				10.55
3	A	1.58806	-4.6876	-3.5082	-1.0299	2.5164	246.84
3	B	1.65111	-6.0881	-3.5722	-1.0481	2.5384	96.07
3	C	2.04149	-7.1536	-4.0403			28.81
72		0.64326	-1.3706	-2.2533	-0.5786	1.4589	124.52
94		0.82629	-1.8310	-2.0209	0.0719	2.2026	141.20
116		0.70112	-1.1406	-2.4435	-0.0138	2.1307	274.70

N=59160 M1=67.8924 M2=567.1256 Critical Z=157.76

Table 137. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 9 Mathematics

Item	a	b	c	Fit-Z	Item	a	b	c	Fit-Z
1	0.77774	-1.3834	0.0463	20.84	31	0.40204	-0.5504	0.2000	31.84
3	0.77088	0.5331	0.3328	19.98	33	1.51085	0.3364	0.0802	11.52
4	1.54290	0.6228	0.2057	7.57	35	0.83076	0.0883	0.2418	9.58
5	1.77510	1.6154	0.2000	1290.20	36	1.58235	1.0274	0.0730	15.03
6	0.96388	-0.1152	0.1383	11.83	37	1.10845	0.6702	0.2559	2.52
8	0.71831	-0.1818	0.0642	3.30	38	1.69973	1.2147	0.2624	7.63
9	0.86831	0.7374	0.1020	11.10	39	1.17830	1.9749	0.1112	130.57
11	0.90643	0.3753	0.2739	9.34	41	1.04977	0.3442	0.3085	5.47
12	1.00839	0.5091	0.1769	4.19	42	0.74272	-0.1818	0.2970	8.55
13	0.53345	-2.3493	0.2000	57.43	43	1.10069	0.5475	0.4717	16.15
15	1.46323	1.0989	0.1928	178.47	44	1.19929	1.4832	0.2250	14.65
16	0.51376	0.5459	0.3944	5.07	45	0.54804	-0.6217	0.0767	7.79
17	1.18533	1.8626	0.2770	42.38	47	0.32173	-1.9917	0.2000	192.36
18	1.18691	1.4739	0.3093	-0.27	48	1.31290	0.2164	0.0430	37.97
19	1.55600	0.9736	0.1240	79.57	50	0.65930	-0.8258	0.2227	5.26
21	0.56215	0.4608	0.0821	12.92	52	1.50360	1.1236	0.1739	27.95
22	1.00211	1.0997	0.2379	4.37	54	0.52897	1.6898	0.1591	23.85
24	1.13272	0.6523	0.0645	4.78	55	0.85884	0.6099	0.0714	10.88
25	1.45100	1.3982	0.3334	1.47	56	1.24661	1.8446	0.3393	17.38
26	0.94522	0.6664	0.1216	34.08	57	0.47246	0.8938	0.0463	3.39
27	1.14040	0.7904	0.0825	36.91	58	1.41111	0.6921	0.1323	45.58
29	0.28465	0.1284	0.2614	19.32	59	0.77413	-1.6219	0.1817	31.06
30	0.66310	-0.6510	0.1817	37.36					

N=59515 M1=62.7483 M2=582.1292 Critical Z=158.71

Table 138. Item Parameter and Fit Summary, Constructed-Response Items, Grade 9 Mathematics

Item	Part	f	g1	g2	g3	g4	Fit-Z
2		1.45063	-1.6343	1.3604			201.42
7		1.09562	0.4785	1.2960	-0.8126		15.79
10		0.91673	2.3577	-0.6643			52.04
14		1.14181	0.5764	2.5969	0.5214		67.03
20		0.96000	-1.1075	-0.2570	1.1535	1.7124	89.10
23		1.29471	1.1233	1.1873			55.48
28		1.25221	0.7817	1.7957	2.1614		63.61
32		1.12025	1.5345	3.1181			38.25
34		1.37826	0.4692	1.6084	2.7449		26.22
40		1.42602	0.3213	1.1745	3.4759	0.7974	31.28
46		0.70409	0.6598	0.2202			118.36
49		1.40921	0.9768	0.4050	0.3903		121.46
51		1.62235	-1.1005	-0.3261			98.86
53		0.84680	-0.4752	1.6596	2.0184		42.49
60		0.76876	0.3982	-0.3580	1.4884	0.0318	284.21

N=59515 M1=62.7483 M2=582.1292 Critical Z=158.71

Table 139. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 10 Reading

Item	a	b	c	Fit-Z	Item	a	b	c	Fit-Z
4	0.78477	1.2033	0.1494	3.46	41	0.48193	-0.5124	0.2000	62.81
5	0.84953	-0.0289	0.3393	12.95	43	1.04766	-0.9418	0.2613	2.97
6	0.73373	0.4190	0.2215	12.72	44	1.03023	-2.3827	0.2000	20.89
8	0.77272	-0.6229	0.2862	6.05	45	0.70822	-0.3427	0.1404	2.28
10	0.30439	-0.8530	0.1338	17.75	46	1.26826	0.0950	0.2755	14.35
12	0.92876	0.3878	0.2426	7.67	48	0.90789	-0.7924	0.0742	9.42
14	0.42608	0.4241	0.1796	3.76	49	1.15323	0.6883	0.2803	9.06
15	0.74308	-0.9461	0.2954	4.03	50	0.99090	-0.6399	0.3541	7.11
16	0.35556	-1.1120	0.2000	39.16	52	1.02624	-1.9255	0.2494	4.02
17	0.96179	-1.7225	0.1578	3.26	53	0.35959	1.9153	0.1400	-0.76
18	0.71455	-2.0131	0.1805	8.69	96	0.74199	-1.3819	0.2168	8.79
19	1.23127	-0.9886	0.2324	5.48	97	0.60836	-0.3152	0.1805	179.87
22	0.76592	0.1835	0.1132	1.89	98	1.08978	-1.0732	0.2307	7.12
23	0.55244	-1.9030	0.2000	27.98	99	1.66589	-1.5962	0.2022	23.18
24	0.72086	-1.4696	0.1484	13.72	100	0.52062	0.4494	0.1934	19.07
25	0.41376	-0.1021	0.2000	27.77	102	0.57903	-1.8507	0.1805	9.26
26	1.30717	-1.7821	0.2555	3.76	103	1.09986	-1.0901	0.2406	1.46
28	0.48641	-1.4825	0.0860	-0.36	105	0.59213	-1.2236	0.2000	73.93
29	0.76744	-1.1061	0.1213	4.13	106	0.64014	-0.5889	0.2283	0.96
32	0.19691	1.2687	0.2000	122.38	107	0.77816	-2.0269	0.0697	7.57
33	0.31611	0.5784	0.2000	18.51	108	0.45104	-0.4615	0.0575	8.05
34	0.59821	1.7239	0.1432	3.01	110	0.57189	-0.8809	0.1005	78.87
35	0.74531	-1.0667	0.1443	1.52	111	0.59291	-1.0393	0.0611	37.14
37	1.26724	-0.2994	0.1103	12.41	112	0.94357	-0.0149	0.2315	6.52
38	1.25275	-1.7040	0.2216	5.92	113	0.42987	0.0499	0.2500	26.76
39	0.79172	1.7014	0.4185	34.17	114	0.35990	1.7030	0.2030	12.04
40	0.59292	0.7647	0.1671	23.30	115	0.44518	-0.7693	0.0710	0.16

N=56458 M1=45.2980 M2=688.1980 Critical Z=150.55

Table 140. Item Parameter and Fit Summary, Constructed-Response Items, Grade 10 Reading

Item	Part	f	g1	g2	g3	g4	Fit-Z
7		1.16353	2.1299	1.5852			17.20
11		0.88665	-0.5305	0.3778	1.8409		8.53
13		0.79479	-1.2448	-0.8363	-0.7204	0.2083	48.97
21		1.21465	-3.1567	0.3717			17.64
27		0.45616	-0.0684	-0.2740	0.5457		184.38
30		0.77129	-1.6242	-0.2749	1.2095		80.78
31		1.03896	-1.2186	-0.0170	1.7877		39.17
36		0.77064	-1.0196	0.5214	1.6237		47.35
42		1.18772	-1.0505	-0.9236	0.9644		24.83
47		0.80222	-0.4064	-1.0322	-0.4478		66.82
51		1.01152	-0.3424	1.1656	0.4902		68.92
101		1.08462	-0.4692	0.1382			57.95
104		0.93896	-1.8042	-0.3298	2.1917		51.30
109		1.15216	-2.3963	0.0658	0.8627		32.92

N=56458 M1=45.2980 M2=688.1980 Critical Z=150.55

Table 141. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 10 Writing

Item	a	b	c	Fit-Z	Item	a	b	c	Fit-Z
54	0.53613	0.0291	0.2000	12.26	75	0.79390	-0.8397	0.1559	2.93
55	1.59292	-1.7141	0.3240	5.75	76	1.69636	-1.1522	0.1787	10.24
56	1.16884	-1.7190	0.2014	8.12	77	0.77098	0.0400	0.1615	19.78
57	0.35258	-1.5681	0.2000	16.11	78	1.25723	-0.5571	0.1084	14.64
58	0.98470	-1.0686	0.2197	0.75	79	1.33246	-1.3749	0.2086	20.73
59	1.02741	-1.1734	0.2489	1.94	80	1.11438	-1.4264	0.1564	40.81
60	0.96867	-0.9484	0.1444	15.65	81	1.79213	-1.3965	0.2141	66.70
61	0.93885	1.2535	0.2415	16.30	82	1.22841	0.9781	0.1404	82.57
62	1.02451	0.7010	0.2452	17.87	83	2.22727	-1.3219	0.2568	12.07
63	1.04519	-1.2417	0.2906	2.44	84	1.92663	-1.4969	0.2256	26.25
64	0.82924	0.7272	0.2826	11.06	85	1.01715	-1.1806	0.0757	16.87
65	1.26518	-0.9743	0.2502	5.32	86	0.45675	0.0669	0.2000	14.62
66	0.66596	-1.4803	0.2000	13.80	87	1.07368	-1.1364	0.0681	68.33
67	0.29692	1.1209	0.2000	55.64	88	0.75506	-0.7752	0.1226	92.23
68	1.31334	-0.3864	0.2173	14.24	89	0.71206	-0.2339	0.1265	31.94
69	0.57575	-1.3834	0.2000	71.52	90	1.39496	-1.5177	0.1437	21.91
70	1.27440	-1.0706	0.2212	8.07	91	1.47241	-1.2982	0.1391	34.54
72	1.13464	-1.2200	0.0984	2.97	92	0.57102	0.8410	0.1536	6.48
73	0.63177	0.7050	0.1481	64.86	93	0.49166	-0.0486	0.1841	148.54
74	0.43893	0.1153	0.2000	87.65	94	1.04576	-0.4824	0.2019	15.92

N=56444 M1=69.6756 M2=577.5267 Critical Z=150.52**Table 142. Item Parameter and Fit Summary, Constructed-Response Items, Grade 10 Writing**

Item	Part	f	g1	g2	g3	g4	Fit-Z
1		1.14315	-4.7267				3.81
2	A	1.11316	-0.9609				38.14
2	B	0.28713	-0.8783				62.24
2	C	0.64848	-1.2495				5.24
2	D	0.52623	-1.4683				2.07
2	E	1.09706	0.5556				32.06
2	F	0.73729	-1.7809				15.53
3	A	1.42743	-4.5407	-2.9588	-0.4001	1.3261	146.87
3	B	1.46812	-5.5637	-2.8810	-0.3111	1.3685	88.83
3	C	1.71343	-6.0673	-2.1830			54.09
71		0.78232	-1.7119	-2.2426	-0.4328	1.6799	101.33
95		0.96060	-1.7041	-2.3843	0.0687	2.2207	133.94
116		0.88169	-1.8678	-2.2807	-0.2264	1.6743	89.09

N=56444 M1=69.6756 M2=577.5267 Critical Z=150.52

Table 143. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 10 Mathematics

Item	a	b	c	Fit-Z	Item	a	b	c	Fit-Z
1	1.29676	0.7659	0.1163	7.43	31	0.66128	-0.9128	0.1836	10.75
2	0.82471	1.6264	0.1818	1.66	33	0.49897	-0.4890	0.0918	19.06
3	1.17847	1.1870	0.3048	11.64	34	1.33997	1.6607	0.1663	33.37
5	0.62557	1.0481	0.1745	7.68	36	1.49262	0.9125	0.1532	20.85
6	0.75359	1.7574	0.2000	189.25	37	1.14089	0.5854	0.1661	7.25
8	1.29519	1.2631	0.1221	4.67	38	0.71940	-0.3309	0.1376	7.94
9	0.78271	0.4464	0.1000	2.53	39	1.51389	-0.0813	0.1500	12.60
10	0.89601	0.8441	0.0445	84.18	41	1.01168	0.5169	0.2584	3.07
11	1.53978	0.5665	0.1339	74.98	42	0.76369	-0.3276	0.3002	4.61
13	1.20662	0.3437	0.3297	5.88	43	0.74372	1.7495	0.2246	4.60
14	0.54606	-0.1512	0.1786	94.79	45	0.92436	-0.5832	0.1280	4.32
15	1.63862	1.3118	0.2788	50.15	46	1.33202	0.5266	0.0544	28.87
16	0.87795	0.5299	0.1986	5.24	47	1.30784	1.2681	0.2590	11.00
18	1.60394	0.6839	0.0701	14.08	49	0.64350	-1.9354	0.2000	33.50
19	1.35502	0.6459	0.0646	31.67	50	1.47495	0.1413	0.1446	14.55
21	1.18355	1.1270	0.1091	1.20	51	0.37734	-2.0060	0.2000	195.77
22	0.65441	-0.8725	0.2000	3.30	53	0.78853	0.4415	0.2139	2.31
23	1.01279	-0.3613	0.2718	0.67	55	1.27412	0.4191	0.3662	9.22
24	1.79914	1.2203	0.3122	14.76	56	0.79620	0.2749	0.2178	1.14
26	0.82195	-0.0351	0.2482	9.72	57	0.47029	-0.1104	0.0478	64.86
27	0.68244	0.8876	0.0463	0.38	58	0.53894	1.2669	0.1175	7.32
28	1.03387	1.0821	0.4322	5.18	59	0.71339	-0.9997	0.0524	19.87
30	1.38413	1.7644	0.2975	49.49					

N=56793 M1=61.6451 M2=600.8175 Critical Z=151.45

Table 144. Item Parameter and Fit Summary, Constructed-Response Items, Grade 10 Mathematics

Item	Part	f	g1	g2	g3	g4	Fit-Z
4		1.02800	1.1017	2.6499			27.55
7		1.11149	0.4560	2.2793	0.8407		146.23
12		1.51332	-0.4773	0.8078			162.90
17		0.88113	1.0879	-0.7655	2.0518		281.23
20		0.80973	-1.4095	-0.8893	0.2054	1.4181	52.56
25		0.55019	-1.5189	0.0333			137.33
29		1.37275	-1.8073	0.8610	3.8870		78.62
32		1.32703	0.5785	1.1462			70.82
35		0.92677	-0.8946	-0.7986	0.8245		49.00
40		1.56279	-0.2107	1.6961	2.2307	3.8370	79.05
44		1.04579	-0.2335	0.5260			65.81
48		1.28614	0.4209	-0.4341	0.9774		48.16
52		1.37871	2.2237	-0.7165			61.65
54		1.36636	0.2086	1.0068	0.6723		98.16
60		1.10677	0.2692	0.5286	0.6650	1.3884	104.78

N=56793 M1=61.6451 M2=600.8175 Critical Z=151.45

Table 145. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 10 Science

Item	a	b	c	Fit-Z	Item	a	b	c	Fit-Z
1	0.34684	-1.5794	0.2000	81.44	44	0.89175	-1.1457	0.2594	2.60
2	0.66653	-1.7981	0.2000	44.64	46	0.71848	-0.6512	0.0955	29.66
3	0.67247	1.6517	0.1350	1.35	47	1.13878	-0.7378	0.2793	4.62
4	0.73257	0.4254	0.0934	11.56	49	0.71269	1.1969	0.3204	2.67
5	0.60458	-0.6519	0.0837	8.35	50	0.87267	-0.4314	0.3494	1.74
6	0.83274	-0.6625	0.3746	6.40	52	1.41709	0.6799	0.1405	16.31
7	1.01827	1.6370	0.2909	20.61	53	0.73930	-0.8440	0.2729	4.09
8	1.27583	1.3776	0.2619	3.19	54	0.76657	0.4515	0.1471	2.78
9	0.77981	0.6428	0.1481	14.52	55	0.82458	-1.4529	0.2018	12.54
11	0.73256	-0.3582	0.2018	88.99	56	0.62529	0.3927	0.1481	11.68
12	0.75231	0.3926	0.2833	11.18	57	0.86609	-0.5381	0.2535	9.54
13	0.40668	-0.3673	0.0697	29.61	58	1.47320	1.1662	0.1666	95.91
14	2.18041	2.6798	0.1815	34.01	59	1.26852	1.5687	0.2183	66.00
15	0.70211	0.5118	0.4262	16.79	61	0.82187	1.2940	0.3054	4.84
16	0.99594	-0.8227	0.0937	40.30	62	0.78609	-0.9728	0.0761	5.36
17	0.62506	1.1936	0.2472	8.04	63	0.24440	4.1991	0.1080	29.23
18	1.14182	-1.1922	0.2367	4.30	64	0.47710	0.2679	0.1507	5.37
19	0.46914	-0.1980	0.2000	127.81	65	0.61738	0.7876	0.3307	2.29
20	0.52258	1.1302	0.4413	21.93	66	0.64823	-1.5648	0.1358	7.89
28	0.60430	-1.7975	0.2000	9.10	69	0.64371	-1.0237	0.2000	3.39
29	0.75320	0.5169	0.2895	3.20	70	0.65120	-1.9197	0.2000	15.95
30	0.74345	0.2762	0.2561	12.14	71	0.47500	-1.2993	0.1126	9.94
31	0.55687	-0.1645	0.1280	1.11	72	0.39259	0.0718	0.0786	2.58
33	0.77460	1.2832	0.3048	21.27	74	0.45422	-0.5767	0.0921	4.00
35	0.65217	1.8215	0.2209	5.80	75	1.15252	0.9049	0.2063	14.64
36	0.54744	1.1404	0.2734	9.65	77	0.87906	-0.3557	0.0925	18.13
37	1.19632	1.4215	0.3714	6.10	78	0.63325	0.9832	0.1591	4.30
38	0.57134	1.3173	0.2050	7.16	79	1.09806	1.0517	0.1679	27.58
42	0.52470	1.6977	0.1438	2.57	80	1.04784	0.0316	0.3682	8.59
43	0.46704	2.4184	0.2764	4.15					

N=56683 M1=55.5745 M2=507.2820 Critical Z=151.15

Table 146. Item Parameter and Fit Summary, Constructed-Response Items, Grade 10 Science

Item	Part	f	g1	g2	g3	g4	Fit-Z
10		0.90955	0.2743	1.8747			7.57
21		0.50525	-0.0434	-1.3210	0.3408	0.3090	34.75
22		0.64571	0.2783	-0.0081			22.09
23		1.24900	-0.2412				6.28
24		0.50573	-0.4783	-0.6869	-0.0881		43.05
25		1.11621	0.7854				65.56
26		0.89023	-0.1072				125.50
27		1.23445	0.0762				66.07
32		0.68839	-1.0047	0.8409			95.90
34		0.79337	0.5935				3.30
39		1.03709	1.0482				4.44
40		1.10989	1.7155	0.3582			55.21
41		0.24061	0.6501				71.13
45		0.45050	2.0417	3.9631			22.37
48		0.98179	1.0521	2.8880			69.50
51		0.72762	0.6066	-0.3890			29.31
67		1.36825	1.9567				30.97
68		0.88379	1.0602	1.3769			53.28
73		1.13954	-0.7178				1.21
76		1.05511	-0.2007	0.9731			32.13
81		0.92790	0.3730	1.8443			7.16
82		0.34598	-0.4424	-0.0018			23.45
83		0.78142	-0.4240	1.8718			33.07

N=56683 M1=55.5745 M2=507.2820 Critical Z=151.15

Table 147. Correlations between the Reference and New Form Item Parameters for the 2012 TCAP Administration

Content Area	Grade	Discrimination (a)	Difficulty (b)	Guessing (c)	p-Value (p)
Reading	3	0.95	0.91	0.82	0.99
	4	0.93	0.99	0.78	0.99
	5	0.98	0.98	0.76	0.99
	6	0.97	0.99	0.99	0.98
	7	0.98	0.98	0.73	0.99
	8	0.92	0.95	0.73	0.99
	9	0.93	0.97	0.70	0.98
	10	0.97	0.98	0.95	0.99
Writing	3	0.95	0.97	0.92	0.97
	4	0.96	0.99	0.90	0.99
	5	0.96	0.92	0.85	0.97
	6	0.95	0.96	0.46	0.97
	7	0.97	0.96	0.68	0.97
	8	0.93	0.91	0.55	0.98
	9	0.98	0.99	0.62	1.00
	10	0.94	0.99	0.41	0.99
Mathematics	3	0.95	0.99	0.98	0.99
	4	0.91	0.98	0.76	0.98
	5	0.98	0.99	0.92	0.99
	6	0.97	0.98	0.89	0.98
	7	0.98	0.96	0.94	0.97
	8	0.97	0.93	0.91	0.98
	9	0.98	0.98	0.78	0.99
	10	0.98	0.98	0.83	0.99
Science	5	0.90	0.92	0.61	0.98
	8	0.95	0.98	0.86	0.98
	10	0.92	0.98	0.94	0.99

Table 148. Scaling Constants across Grades and Content Areas for Two Administrations

Content Area	Grade	2011		2012	
		Multiplicative	Additive	Multiplicative	Additive
Reading	3	60.0	571.3	58.8	572.4
	4	52.4	590.4	51.4	593.4
	5	56.0	623.4	56.7	619.7
	6	55.2	635.6	54.2	635.2
	7	56.4	646.9	56.3	647.7
	8	51.9	657.9	52.8	658.1
	9	44.7	663.5	44.4	665.3
	10	47.2	685.7	45.3	688.2
Writing	3	44.0	464.6	43.1	465.2
	4	46.8	493.8	45.4	484.1
	5	48.9	512.8	51.8	508.4
	6	54.5	529.7	55.2	524.6
	7	60.9	554.5	62.7	559.6
	8	64.6	565.5	63.0	567.0
	9	70.1	574.7	67.9	567.1
	10	65.1	583.3	69.7	577.5
Mathematics	3	74.8	473.5	80.7	469.3
	4	63.9	510.2	71.0	503.3
	5	66.4	533.3	67.2	526.0
	6	63.0	558.1	66.1	541.0
	7	60.6	569.3	67.4	563.4
	8	57.6	582.7	64.1	579.5
	9	62.9	582.9	62.7	582.1
	10	60.3	601.0	61.6	600.8
Science	5	57.5	509.3	61.6	502.3
	8	55.2	505.3	54.1	505.9
	10	57.3	501.7	55.6	507.3

**Table 149. TCAP Item and Anchor Count by Content Standard for Final Calibration
Sample: Reading**

Grade	Content Standard	Item Set	Number Of Items	Percentage
3	CS 1	Anchor Set	21	100.0
		Total Test	40	100.0
	Total	Anchor Set	21	100.0
		Total Test	40	100.0
4	CS 1	Anchor Set	8	36.4
		Total Test	28	40.6
	CS 4	Anchor Set	4	18.2
		Total Test	13	18.8
	CS 5	Anchor Set	5	22.7
		Total Test	15	21.7
	CS 6	Anchor Set	5	22.7
		Total Test	13*	18.8
	Total	Anchor Set	22	100.0
		Total Test	69	100.0
5	CS 1	Anchor Set	8	34.8
		Total Test	25	35.7
	CS 4	Anchor Set	5	21.7
		Total Test	16	22.9
	CS 5	Anchor Set	6	26.1
		Total Test	17	24.3
	CS 6	Anchor Set	4	17.4
		Total Test	12	17.1
	Total	Anchor Set	23	100.0
		Total Test	70	100.0
6	CS 1	Anchor Set	9	42.9
		Total Test	28	40.0
	CS 4	Anchor Set	5	23.8
		Total Test	12	17.1
	CS 5	Anchor Set	4	19.0
		Total Test	18	25.7
	CS 6	Anchor Set	3	14.3
		Total Test	12	17.1
	Total	Anchor Set	21	100.0
		Total Test	70	100.0

Table 149. TCAP Item and Anchor Count by Content Standard for Final Calibration
Sample: Reading (cont'd)

Grade	Content Standard	Item Set	Number Of Items	Percentage
7	CS 1	Anchor Set	6*	30.0
		Total Test	22*	31.9
	CS 4	Anchor Set	5	25.0
		Total Test	15	21.7
	CS 5	Anchor Set	4	20.0
		Total Test	15	21.7
	CS 6	Anchor Set	5	25.0
		Total Test	17	24.6
	Total	Anchor Set	20	100.0
		Total Test	69	100.0
8	CS 1	Anchor Set	7*	35.0
		Total Test	25	35.7
	CS 4	Anchor Set	6	30.0
		Total Test	16	22.9
	CS 5	Anchor Set	4	20.0
		Total Test	15	21.4
	CS 6	Anchor Set	3*	15.0
		Total Test	14	20.0
	Total	Anchor Set	20	100.0
		Total Test	70	100.0
9	CS 1	Anchor Set	14	43.8
		Total Test	25	36.8
	CS 4	Anchor Set	7	21.9
		Total Test	14*	20.6
	CS 5	Anchor Set	5	15.6
		Total Test	16*	23.5
	CS 6	Anchor Set	6	18.8
		Total Test	13	19.1
	Total	Anchor Set	32	100.0
		Total Test	68	100.0

**Table 149. TCAP Item and Anchor Count by Content Standard for Final Calibration
Sample: Reading (cont'd)**

Grade	Content Standard	Item Set	Number Of Items	Percentage
10	CS 1	Anchor Set	8	33.3
		Total Test	21	30.9
	CS 4	Anchor Set	6	25.0
		Total Test	17*	25.0
	CS 5	Anchor Set	5	20.8
		Total Test	17	25.0
	CS 6	Anchor Set	5	20.8
		Total Test	13	19.1
	Total	Anchor Set	24	100.0
		Total Test	68	100.0

* Content area in which item(s) were removed from the calibration or anchor set. Counts shown in this table do not include removed items.

**Table 150. TCAP Item and Anchor Count by Content Standard for Final Calibration
Sample: Writing**

Grade	Content Standard	Item Set	Number Of Items	Percentage
3	CS 2	Anchor Set	9	40.9
		Total Test	21	39.6
	CS 3	Anchor Set	13	59.1
		Total Test	32	60.4
	Total	Anchor Set	22	100.0
		Total Test	53	100.0
4	CS 2	Anchor Set	11	45.8
		Total Test	21	39.6
	CS 3	Anchor Set	13	54.2
		Total Test	32	60.4
	Total	Anchor Set	24	100.0
		Total Test	53	100.0
5	CS 2	Anchor Set	11	45.8
		Total Test	21	39.6
	CS 3	Anchor Set	13	54.2
		Total Test	32	60.4
	Total	Anchor Set	24	100.0
		Total Test	53	100.0
6	CS 2	Anchor Set	9	42.9
		Total Test	21	39.6
	CS 3	Anchor Set	12	57.1
		Total Test	32	60.4
	Total	Anchor Set	21	100.0
		Total Test	53	100.0
7	CS 2	Anchor Set	8*	40.0
		Total Test	21	39.6
	CS 3	Anchor Set	12	60.0
		Total Test	32	60.4
	Total	Anchor Set	20	100.0
		Total Test	53	100.0
8	CS 2	Anchor Set	12	48.0
		Total Test	21	39.6
	CS 3	Anchor Set	13	52.0
		Total Test	32	60.4
	Total	Anchor Set	25	100.0
		Total Test	53	100.0

**Table 150. TCAP Item and Anchor Count by Content Standard for Final Calibration
Sample: Writing (cont'd)**

Grade	Content Standard	Item Set	Number Of Items	Percentage
9	CS 2	Anchor Set	9	42.9
		Total Test	21	39.6
	CS 3	Anchor Set	12	57.1
		Total Test	32	60.4
	Total	Anchor Set	21	100.0
		Total Test	53	100.0
10	CS 2	Anchor Set	10	43.5
		Total Test	21	39.6
	CS 3	Anchor Set	13	56.5
		Total Test	32	60.4
	Total	Anchor Set	23	100.0
		Total Test	53	100.0

* Content area in which item(s) were removed from the calibration or anchor set. Counts shown in this table do not include removed items.

**Table 151. TCAP Item and Anchor Count by Content Standard for Final Calibration
Sample: Mathematics**

Grade	Content Standard	Item Set	Number Of Items	Percentage
3	CS 1	Anchor Set	3	17.6
		Total Test	8	20.0
	CS 2/3	Anchor Set	4	23.5
		Total Test	11	27.5
	CS 4/5	Anchor Set	7	41.2
		Total Test	14	35.0
	CS 6	Anchor Set	3	17.6
		Total Test	7	17.5
	Total	Anchor Set	17	100.0
		Total Test	40	100.0
4	CS 1	Anchor Set	3*	15.8
		Total Test	14	20.3
	CS 2	Anchor Set	3	15.8
		Total Test	9	13.0
	CS 3	Anchor Set	3	15.8
		Total Test	11	15.9
	CS 4/5	Anchor Set	6	31.6
		Total Test	21	30.4
	CS 6	Anchor Set	4	21.1
		Total Test	14	20.3
	Total	Anchor Set	19	100.0
		Total Test	69	100.0
5	CS 1	Anchor Set	4	20.0
		Total Test	16	23.2
	CS 2	Anchor Set	4	20.0
		Total Test	12	17.4
	CS 3	Anchor Set	4	20.0
		Total Test	11	15.9
	CS 4/5	Anchor Set	4	20.0
		Total Test	14	20.3
	CS 6	Anchor Set	4	20.0
		Total Test	16	23.2
	Total	Anchor Set	20	100.0
		Total Test	69	100.0

Table 151. TCAP Item and Anchor Count by Content Standard for Final Calibration
Sample: Mathematics (cont'd)

Grade	Content Standard	Item Set	Number Of Items	Percentage
6	CS 1	Anchor Set	4	20.0
		Total Test	12	20.0
	CS 2	Anchor Set	4	20.0
		Total Test	10	16.7
	CS 3	Anchor Set	4	20.0
		Total Test	11	18.3
	CS 4/5	Anchor Set	5	25.0
		Total Test	16	26.7
CS 6	Anchor Set	3	15.0	
	Total Test	11	18.3	
Total	Anchor Set	20	100.0	
	Total Test	60	100.0	
7	CS 1/6	Anchor Set	3	15.8
		Total Test	19	31.7
	CS 2	Anchor Set	5	26.3
		Total Test	12	20.0
	CS 3	Anchor Set	5	26.3
		Total Test	12	20.0
	CS 4/5	Anchor Set	6	31.6
		Total Test	17	28.3
Total	Anchor Set	19	100.0	
	Total Test	60	100.0	
8	CS 1/6	Anchor Set	5	25.0
		Total Test	14*	23.7
	CS 2	Anchor Set	5	25.0
		Total Test	15	25.4
	CS 3	Anchor Set	4	20.0
		Total Test	12	20.3
	CS 4/5	Anchor Set	6	30.0
		Total Test	18	30.5
Total	Anchor Set	20	100.0	
	Total Test	59	100.0	

Table 151. TCAP Item and Anchor Count by Content Standard for Final Calibration
Sample: Mathematics (cont'd)

Grade	Content Standard	Item Set	Number Of Items	Percentage
9	CS 1/6	Anchor Set	4	21.1
		Total Test	13	21.7
	CS 2	Anchor Set	6	31.6
		Total Test	17	28.3
	CS 3	Anchor Set	5	26.3
		Total Test	15	25.0
	CS 4/5	Anchor Set	4*	21.1
		Total Test	15	25.0
	Total	Anchor Set	19	100.0
		Total Test	60	100.0
10	CS 1/6	Anchor Set	5	25.0
		Total Test	14	23.3
	CS 2	Anchor Set	5	25.0
		Total Test	17	28.3
	CS 3	Anchor Set	5	25.0
		Total Test	15	25.0
	CS 4/5	Anchor Set	5	25.0
		Total Test	14	23.3
	Total	Anchor Set	20	100.0
		Total Test	60	100.0

* Content area in which item(s) were removed from the calibration or anchor set. Counts shown in this table do not include removed items.

**Table 152. TCAP Item and Anchor Count by Content Standard for Final Calibration
Sample: Science**

Grade	Content Standard	Item Set	Number Of Items	Percentage
5	CS 1/5	Anchor Set	8	42.1
		Total Test	30	40.0
	CS 2	Anchor Set	3*	15.8
		Total Test	15	20.0
	CS 3	Anchor Set	4	21.1
		Total Test	15	20.0
	CS 4	Anchor Set	4	21.1
		Total Test	15	20.0
	Total	Anchor Set	19	100.0
		Total Test	75	100.0
8	CS 1/5	Anchor Set	8	40.0
		Total Test	34	41.0
	CS 2	Anchor Set	4	20.0
		Total Test	17	20.5
	CS 3	Anchor Set	4	20.0
		Total Test	17	20.5
	CS 4	Anchor Set	4	20.0
		Total Test	15	18.1
	Total	Anchor Set	20	100.0
		Total Test	83	100.0
10	CS 1/5	Anchor Set	8	40.0
		Total Test	33	40.2
	CS 2	Anchor Set	4	20.0
		Total Test	17	20.7
	CS 3	Anchor Set	4	20.0
		Total Test	17	20.7
	CS 4	Anchor Set	4	20.0
		Total Test	15*	18.3
	Total	Anchor Set	20	100.0
		Total Test	82	100.0

* Content area in which item(s) were removed from the calibration or anchor set. Counts shown in this table do not include removed items.

**Table 153. TCAP Item and Anchor Count by Content Standard for Final Calibration
Sample: Reading and Writing Spanish**

Content	Grade	Content Standard	Item Set	Number Of Items	Percentage
Reading Spanish	3	CS 1	Anchor Set	18	100.0
			Total Test	40	100.0
		Total	Anchor Set	18	100.0
			Total Test	40	100.0
	4	CS 1	Anchor Set	7	38.9
			Total Test	31	44.3
		CS 4	Anchor Set	4	22.2
			Total Test	14	20.0
		CS 5	Anchor Set	4	22.2
			Total Test	13	18.6
		CS 6	Anchor Set	3	16.7
			Total Test	12	17.1
		Total	Anchor Set	18	100.0
			Total Test	70	100.0
Writing Spanish	3	CS 2	Anchor Set	5	27.8
			Total Test	21	39.6
		CS 3	Anchor Set	13	72.2
			Total Test	32	60.4
		Total	Anchor Set	18	100.0
			Total Test	53	100.0
	4	CS 2	Anchor Set	4	22.2
			Total Test	19	35.8
		CS 3	Anchor Set	14	77.8
			Total Test	34	64.2
		Total	Anchor Set	18	100.0
			Total Test	53	100.0

* Content area in which item(s) were removed from the calibration or anchor set. Counts shown in this table do not include removed items.

Table 154. Scale Score Descriptive Statistics by Gender

Content Area		Grade		Gender								Total			
				Female				Male							
				N	Mean	SD	Median	N	Mean	SD	Median	N	Mean	SD	Median
Reading	3	31039	572	70.8	577	32066	554	77.1	563	63109	563	74.5	569		
	4	30829	594	57.9	601	32083	579	67.4	589	62918	587	63.4	595		
	5	30735	619	63.4	625	31587	603	74.7	615	62327	611	69.8	620		
	6	30110	638	58.9	644	31671	620	67.0	630	61782	629	63.8	636		
	7	29691	649	61.0	655	30872	632	68.9	643	60565	641	65.7	649		
	8	29215	660	56.6	664	30259	642	62.4	649	59478	651	60.3	657		
	9	29027	668	48.0	671	30096	653	51.0	657	59136	660	50.2	664		
	10	27717	692	48.5	695	28583	672	56.2	679	56306	682	53.5	687		
Writing	3	31043	475	48.7	474	32061	459	49.9	460	63109	467	50.0	467		
	4	30802	493	49.6	492	32080	475	49.4	476	62888	483	50.3	484		
	5	30853	519	57.2	518	31678	498	57.2	500	62536	509	58.2	509		
	6	30084	534	59.6	533	31657	509	61.5	511	61742	521	61.8	521		
	7	29681	575	69.1	572	30874	543	67.8	545	60557	559	70.3	558		
	8	29123	581	69.7	578	30180	549	68.3	551	59307	564	70.8	564		
	9	28971	581	72.7	579	30059	550	74.8	553	59043	565	75.4	566		
	10	27749	593	74.5	592	28619	560	75.7	562	56374	576	76.9	577		
Mathematics	3	31682	460	87.7	465	32748	467	93.6	472	64430	464	90.8	468		
	4	30872	493	77.9	497	32169	497	82.2	503	63042	495	80.2	500		
	5	30850	518	72.2	520	31710	518	78.3	522	62561	518	75.4	521		
	6	29991	537	70.5	540	31586	536	77.1	542	61579	537	73.9	541		
	7	29718	562	71.8	565	30910	560	79.5	564	60630	561	75.8	565		
	8	29239	577	67.6	580	30301	575	75.1	580	59543	576	71.6	580		
	9	28910	575	71.2	581	29994	576	75.5	581	58912	575	73.4	581		
	10	27824	593	66.2	599	28723	594	75.0	601	56557	594	70.8	600		
Science	5	30875	498	65.0	504	31715	500	68.1	507	62594	499	66.6	505		
	8	29209	501	57.7	506	30233	498	62.2	505	59446	499	60.0	505		
	10	27808	499	58.0	505	28704	500	66.0	509	56517	500	62.2	507		
Reading Spanish	3	578	527	44.2	531	611	510	53.8	513	1189	518	50.1	521		
	4	45	525	51.0	529	46	506	40.3	507	91	515	46.7	517		
Writing Spanish	3	582	525	70.1	527	617	498	71.6	496	1199	511	72.1	511		
	4	44	509	47.0	514	47	486	43.2	487	91	497	46.3	495		

Table 155. Scale Score Descriptive Statistics by Content Standard

Content Area	Grade	Content Standard											
		1			2			3			4		
		Mean	SD	Median	Mean	SD	Median	Mean	SD	Median	Mean	SD	Median
Reading	3	563	74.5	569	.	.	.	.	.	.	.	.	.
	4	588	69.1	595	.	.	.	.	.	.	583	95.4	595
	5	612	77.1	619	.	.	.	.	.	.	608	97.2	620
	6	630	73.8	637	.	.	.	.	.	.	631	82.4	635
	7	644	78.0	647	.	.	.	.	.	.	641	82.5	649
	8	654	69.5	656	.	.	.	.	.	.	647	80.6	658
	9	662	58.3	664	.	.	.	.	.	.	660	68.8	664
	10	681	63.9	687	.	.	.	.	.	.	685	70.6	688
Writing	3	.	.	.	468	57.2	468	476	70.0	467	.	.	.
	4	.	.	.	484	54.6	484	489	64.5	484	.	.	.
	5	.	.	.	510	63.9	508	516	77.6	509	.	.	.
	6	.	.	.	523	69.3	522	523	69.4	522	.	.	.
	7	.	.	.	560	78.2	556	564	84.4	559	.	.	.
	8	.	.	.	565	77.3	563	573	93.1	565	.	.	.
	9	.	.	.	566	82.1	566	574	97.3	567	.	.	.
	10	.	.	.	578	85.2	575	583	93.9	578	.	.	.
Mathematics	3	462	119.0	469	469	117.7	468	.	.	.	469	108.4	468
	4	498	96.3	502	506	124.7	499	504	116.5	501	503	101.0	500
	5	520	95.5	521	522	93.9	520	520	94.7	522	520	94.4	521
	6	531	107.3	542	541	93.7	543	540	90.1	542	531	92.0	541
	7	561	83.8	565	561	93.0	565	559	96.0	566	550	103.9	564
	8	574	83.4	581	578	90.7	578	574	87.1	580	569	91.7	580
	9	563	102.3	582	575	84.5	580	572	87.3	583	571	84.1	580
	10	580	104.8	600	591	81.0	599	595	79.9	600	576	103.3	600
Science	5	500	72.4	505	502	82.1	505	499	80.8	504	503	89.2	506
	8	500	65.1	506	496	78.2	504	499	70.6	505	499	80.9	505
	10	499	66.8	508	494	77.4	506	499	75.7	505	500	78.0	507
Reading Spanish	3	518	50.1	521	.	.	.	.	.	.	.	.	.
	4	515	60.4	517	.	.	.	.	.	.	505	67.5	517
Writing Spanish	3	.	.	.	521	80.5	524	507	78.9	500	.	.	.
	4	.	.	.	490	56.7	495	500	47.6	503	.	.	.

Table 155. Scale Score Descriptive Statistics by Content Standard (cont'd)

Content Area	Grade	Content Standard						Total		
		5			6					
		Mean	SD	Median	Mean	SD	Median	Mean	SD	Median
Reading	3	.	.	.	.	.	.	563	74.5	569
	4	590	102.7	595	589	89.5	595	587	63.4	595
	5	605	101.7	621	611	83.4	619	611	69.8	620
	6	635	88.6	637	625	87.7	635	629	63.8	636
	7	648	90.3	649	639	82.9	648	641	65.7	649
	8	653	85.4	658	650	72.4	656	651	60.3	657
	9	668	77.1	664	655	66.2	664	660	50.2	664
	10	686	74.7	688	680	64.9	686	682	53.5	687
Writing	3	.	.	.	.	.	.	467	50.0	467
	4	.	.	.	.	.	.	483	50.3	484
	5	.	.	.	.	.	.	509	58.2	509
	6	.	.	.	.	.	.	521	61.8	521
	7	.	.	.	.	.	.	559	70.3	558
	8	.	.	.	.	.	.	564	70.8	564
	9	.	.	.	.	.	.	565	75.4	566
	10	.	.	.	.	.	.	576	76.9	577
Mathematics	3	.	.	.	469	111.9	466	464	90.8	468
	4	.	.	.	505	108.3	502	495	80.2	500
	5	.	.	.	530	107.4	522	518	75.4	521
	6	.	.	.	554	121.4	542	537	73.9	541
	7	.	.	.	.	.	.	561	75.8	565
	8	.	.	.	.	.	.	576	71.6	580
	9	.	.	.	.	.	.	575	73.4	581
	10	.	.	.	.	.	.	594	70.8	600
Science	5	.	.	.	.	.	.	499	66.6	505
	8	.	.	.	.	.	.	499	60.0	505
	10	.	.	.	.	.	.	500	62.2	507
Reading Spanish	3	.	.	.	.	.	.	518	50.1	521
	4	512	68.8	518	509	59.1	507	515	46.7	517
Writing Spanish	3	.	.	.	.	.	.	511	72.1	511
	4	.	.	.	.	.	.	497	46.3	495

Table 156. Scale Score Descriptive Statistics by Subcontent Area

Content Area	Grade	Subcontent Area														
		1			2			3			4			5		
		Mean	SD	Med.	Mean	SD	Med.	Mean	SD	Med.	Mean	SD	Med.	Mean	SD	Med.
Reading	3	566	88.0	569	556	101.2	571	594	127.9	569	.	.	.	.	.	.
	4	587	72.3	596	582	86.8	595	624	140.0	595	.	.	.	.	.	.
	5	611	77.9	620	606	92.2	620	659	160.5	620	.	.	.	.	.	.
	6	629	70.2	637	625	93.7	636	678	157.4	640	.	.	.	.	.	.
	7	643	83.6	648	641	81.8	648	710	173.8	653	640	88.6	649	.	.	.
	8	653	78.3	657	651	72.7	657	685	137.5	656	639	104.2	658	.	.	.
	9	658	60.8	663	661	61.7	663	685	117.6	666	654	92.6	664	.	.	.
	10	681	63.5	686	682	66.9	687	699	104.7	689	677	89.7	689	.	.	.
Writing	3	.	.	.	.	.	.	.	.	.	.	.	.	471	62.2	469
	4	.	.	.	.	.	.	.	.	.	.	.	.	485	63.4	485
	5	.	.	.	.	.	.	.	.	.	.	.	.	512	72.8	509
	6	.	.	.	.	.	.	.	.	.	.	.	.	524	75.6	522
	7	.	.	.	.	.	.	.	.	.	.	.	.	562	85.2	558
	8	.	.	.	.	.	.	.	.	.	.	.	.	567	90.4	562
	9	.	.	.	.	.	.	.	.	.	.	.	.	566	91.1	567
	10	.	.	.	.	.	.	.	.	.	.	.	.	577	93.5	579
Mathematics	3	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	4	501	98.3	500	509	128.7	497	551	165.4	497	.	.	.	.	.	.
	5	523	100.8	521	527	103.7	520	526	115.3	519	.	.	.	.	.	.
	6	537	104.0	542	541	94.9	544	513	128.1	537	.	.	.	.	.	.
	7	548	114.9	566	548	108.8	560	.	.	.	.	.	.	.	.	.
	8	579	95.2	577	539	140.6	580	571	92.3	579	.	.	.	.	.	.
	9	578	91.2	580	556	112.7	583	.	.	.	.	.	.	.	.	.
	10	592	78.3	600	633	169.3	584	.	.	.	.	.	.	.	.	.
Science	5	500	83.5	505	515	120.9	505	.	.	.	.	.	.	.	.	.
	8	501	75.6	505	502	79.5	505	495	84.9	504	.	.	.	498	128.1	508
	10	499	76.4	508	503	86.8	506	.	.	.	495	98.7	507	512	121.5	507
Reading Spanish	3	520	60.3	522	518	64.7	524	518	66.2	521	.	.	.	.	.	.
	4	511	54.6	514	506	67.4	514	525	95.6	526	.	.	.	.	.	.
Writing Spanish	3	.	.	.	.	.	.	.	.	.	.	.	.	535	102.7	551
	4	.	.	.	.	.	.	.	.	.	.	.	.	489	72.7	487

Table 156. Scale Score Descriptive Statistics by Subcontent Area (cont'd)

Content Area	Grade	Subcontent Area									Total		
		6			7			8					
		Mean	SD	Med.	Mean	SD	Med.	Mean	SD	Med.	Mean	SD	Med.
Reading	3	.	.	.	.	.	.	.	.	.	563	74.5	569
	4	.	.	.	.	.	.	.	.	.	587	63.4	595
	5	.	.	.	.	.	.	.	.	.	611	69.8	620
	6	.	.	.	.	.	.	.	.	.	629	63.8	636
	7	.	.	.	.	.	.	.	.	.	641	65.7	649
	8	.	.	.	.	.	.	.	.	.	651	60.3	657
	9	.	.	.	.	.	.	.	.	.	660	50.2	664
	10	.	.	.	.	.	.	.	.	.	682	53.5	687
Writing	3	.	.	.	491	96.8	468	485	98.9	468	467	50.0	467
	4	501	97.0	479	503	92.0	487	490	98.2	486	483	50.3	484
	5	534	121.1	541	520	89.4	510	524	104.7	510	509	58.2	509
	6	597	175.7	511	523	81.3	522	534	97.5	528	521	61.8	521
	7	575	123.7	526	582	124.3	560	566	105.8	558	559	70.3	558
	8	589	142.7	609	578	109.2	566	587	130.5	564	564	70.8	564
	9	592	141.7	600	583	128.4	568	588	136.8	564	565	75.4	566
	10	625	177.5	606	600	131.5	579	572	142.0	580	576	76.9	577
Mathematics	3	.	.	.	.	.	.	.	.	.	464	90.8	468
	4	.	.	.	.	.	.	.	.	.	495	80.2	500
	5	.	.	.	.	.	.	.	.	.	518	75.4	521
	6	.	.	.	.	.	.	.	.	.	537	73.9	541
	7	.	.	.	.	.	.	.	.	.	561	75.8	565
	8	.	.	.	.	.	.	.	.	.	576	71.6	580
	9	.	.	.	.	.	.	.	.	.	575	73.4	581
	10	.	.	.	.	.	.	.	.	.	594	70.8	600
Science	5	.	.	.	.	.	.	.	.	.	499	66.6	505
	8	497	88.1	506	.	.	.	.	.	.	499	60.0	505
	10	502	82.9	506	.	.	.	.	.	.	500	62.2	507
Reading Spanish	3	.	.	.	.	.	.	.	.	.	518	50.1	521
	4	.	.	.	.	.	.	.	.	.	515	46.7	517
Writing Spanish	3	.	.	.	510	91.0	503	515	117.6	508	511	72.1	511
	4	469	82.8	482	502	56.5	508	480	85.2	503	497	46.3	495

Table 157. Raw Score Descriptive Statistics by Content Standard

Content Area	Grade	Content Standard															
		1				2				3				4			
		Mean	SD	Med.	Mean % of Max	Mean	SD	Med.	Mean % of Max	Mean	SD	Med.	Mean % of Max	Mean	SD	Med.	Mean % of Max
Reading	3	32	9.4	33	61.2	.	.	.	.	.	.	.	.	.	.	.	.
	4	24	6.7	25	65.1	.	.	.	.	.	.	.	.	10	3.5	11	57.2
	5	19	5.8	20	61.4	.	.	.	.	.	.	.	.	11	3.9	12	57.2
	6	21	5.9	22	66.6	.	.	.	.	.	.	.	.	12	4.2	13	60.8
	7	21	5.8	22	69.6	.	.	.	.	.	.	.	.	12	4.0	13	60.2
	8	21	5.4	23	69.2	.	.	.	.	.	.	.	.	12	3.9	12	55.4
	9	22	5.2	22	68.2	.	.	.	.	.	.	.	.	12	4.0	12	59.0
	10	19	6.0	20	59.0	.	.	.	.	.	.	.	.	12	3.6	13	65.7
Writing	3	.	.	.	.	17	3.8	18	71.5	25	5.8	27	78.5	.	.	.	.
	4	.	.	.	.	24	5.5	24	65.4	25	5.8	26	75.1	.	.	.	.
	5	.	.	.	.	25	5.6	25	68.4	25	6.2	26	75.0	.	.	.	.
	6	.	.	.	.	25	5.5	25	68.9	22	6.2	24	68.3	.	.	.	.
	7	.	.	.	.	24	5.5	25	67.2	24	6.0	26	73.8	.	.	.	.
	8	.	.	.	.	24	5.4	24	66.3	25	5.9	26	75.2	.	.	.	.
	9	.	.	.	.	23	5.6	24	64.3	24	6.6	26	72.9	.	.	.	.
	10	.	.	.	.	24	6.0	25	67.1	25	5.7	26	74.5	.	.	.	.
Mathematics	3	6	2.5	6	59.6	8	3.3	9	65.0	.	.	.	.	11	3.5	12	68.9
	4	13	3.9	14	66.5	9	3.7	10	64.5	9	3.5	10	66.3	20	5.5	21	71.7
	5	12	4.1	12	61.5	12	4.2	12	63.1	12	4.4	12	61.1	12	4.4	13	61.9
	6	9	4.3	9	52.5	11	3.7	11	63.7	11	3.6	11	61.6	10	5.0	9	45.5
	7	13	5.4	13	51.5	9	3.8	8	52.1	9	3.9	9	50.6	10	6.2	9	39.3
	8	9	4.6	9	45.1	11	5.5	11	51.9	8	3.7	8	49.8	11	5.3	10	41.8
	9	7	3.8	6	38.9	11	6.2	10	42.7	9	4.1	9	44.3	8	4.9	7	36.0
	10	7	4.1	7	43.2	11	5.8	10	43.0	12	4.3	13	56.7	7	5.1	5	30.6
Science	5	21	7.2	22	59.7	11	3.3	11	59.5	10	3.5	10	53.3	10	3.2	11	61.8
	8	24	9.2	25	56.6	9	3.8	9	47.7	10	3.8	10	48.2	8	3.0	9	53.2
	10	23	7.6	24	52.9	8	3.6	8	41.7	9	3.4	9	48.4	8	2.8	8	48.0
Reading Spanish	3	30	9.9	31	57.7	.	.	.	.	.	.	.	.	.	.	.	.
	4	20	8.4	20	54.9	.	.	.	.	.	.	.	.	8	3.7	7	44.4
Writing Spanish	3	.	.	.	.	16	4.6	17	67.0	23	5.7	24	72.5	.	.	.	.
	4	.	.	.	.	16	5.8	16	47.9	18	6.0	17	50.3	.	.	.	.

Table 157. Raw Score Descriptive Statistics by Content Standard (cont'd)

Content Area	Grade	Content Standard								Total			
		5				6							
		Mean	SD	Med.	Mean % of Max	Mean	SD	Med.	Mean % of Max	Mean	SD	Med.	Mean % of Max
Reading	3	.	.	.	.	.	.	.	.	32	9.4	33	61.2
	4	12	4.0	12	64.2	11	3.4	12	67.4	57	16.1	61	63.7
	5	12	4.0	12	58.0	11	3.9	12	56.6	53	16.2	56	58.7
	6	14	4.0	14	68.0	10	3.9	11	52.5	57	16.4	60	62.5
	7	14	3.9	15	70.7	12	3.5	12	57.6	59	15.7	62	65.1
	8	12	3.8	13	65.3	10	3.8	10	51.7	56	15.4	58	61.4
	9	14	4.1	15	68.6	8	3.6	8	41.9	56	15.3	57	60.6
	10	14	4.2	15	66.6	11	4.3	11	50.2	56	16.4	59	60.0
Writing	3	.	.	.	.	.	.	.	.	42	9.0	44	75.4
	4	.	.	.	.	.	.	.	.	48	10.6	50	70.0
	5	.	.	.	.	.	.	.	.	49	11.1	51	71.5
	6	.	.	.	.	.	.	.	.	47	11.0	49	68.6
	7	.	.	.	.	.	.	.	.	48	10.9	51	70.3
	8	.	.	.	.	.	.	.	.	49	10.6	50	70.5
	9	.	.	.	.	.	.	.	.	47	11.5	49	68.4
	10	.	.	.	.	.	.	.	.	49	11.1	51	70.6
Mathematics	3	.	.	.	.	7	2.3	7	65.4	32	10.5	34	65.3
	4	.	.	.	.	13	4.1	14	71.0	65	18.8	69	68.7
	5	.	.	.	.	13	4.1	14	70.2	61	19.3	63	63.6
	6	.	.	.	.	9	3.3	9	65.7	49	17.8	49	56.8
	7	.	.	.	.	.	.	.	.	42	17.7	39	47.8
	8	.	.	.	.	.	.	.	.	40	17.6	38	46.7
	9	.	.	.	.	.	.	.	.	35	17.5	32	40.6
	10	.	.	.	.	.	.	.	.	38	17.7	35	43.4
Science	5	.	.	.	.	.	.	.	.	52	15.5	53	58.8
	8	.	.	.	.	.	.	.	.	52	17.9	53	52.7
	10	.	.	.	.	.	.	.	.	48	15.5	49	49.0
Reading Spanish	3	.	.	.	.	.	.	.	.	30	9.9	31	57.7
	4	8	3.9	8	46.7	8	3.4	8	43.4	45	17.8	44	48.9
Writing Spanish	3	.	.	.	.	.	.	.	.	39	9.7	41	70.1
	4	.	.	.	.	.	.	.	.	34	10.9	32	49.1

Table 158. Raw Score Descriptive Statistics by Subcontent Area

Content Area		Subcontent Area																			
		1				2				3				4				5			
		Mean	SD	Med.	Mean % of	Mean	SD	Med.	Mean % of	Mean	SD	Med.	Mean % of	Mean	SD	Med.	Mean % of	Mean	SD	Med.	Mean % of
Max	Max				Max				Max				Max				Max				Max
Reading	3	13	4.1	14	58.8	11	4.1	12	56.3	8	2.2	8	75.9	.	.	.	.	.	.	.	.
	4	21	5.7	22	65.0	16	5.6	17	57.0	9	2.4	10	75.6	.	.	.	.	.	.	.	.
	5	20	6.0	21	58.4	14	5.6	14	53.0	8	2.1	8	75.9	.	.	.	.	.	.	.	.
	6	25	7.8	27	60.0	10	4.1	11	55.2	8	2.1	8	76.3	.	.	.	.	.	.	.	.
	7	14	4.4	14	64.8	13	4.2	14	59.5	7	1.8	8	79.3	11	3.	11	59.2	.	.	.	.
	8	12	3.7	13	64.2	14	4.3	15	57.2	9	2.4	9	74.8	8	3.	8	49.8	.	.	.	.
	9	12	4.5	12	50.4	16	4.4	16	62.8	9	2.4	9	72.4	5	2.	6	50.1	.	.	.	.
	10	16	5.4	16	56.4	13	4.4	13	57.5	8	2.1	8	69.8	6	2.	6	52.2	.	.	.	.
Writing	3	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	17	3.5	17	75.9
	4	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	13	3.4	14	63.0
	5	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	13	3.4	13	65.4
	6	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	14	3.6	14	64.9
	7	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	15	3.6	15	66.1
	8	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	11	2.9	12	63.5
	9	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	15	4.1	15	60.6
	10	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	14	4.1	15	62.5
Mathematics	3	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	4	15	4.3	15	69.4	8	3.5	9	65.2	6	1.7	7	79.3	.	.	.	.	.	.	.	.
	5	10	3.0	10	64.6	10	3.5	10	65.7	7	2.8	7	62.1	.	.	.	.	.	.	.	.
	6	9	4.3	9	56.2	9	3.3	10	62.3	5	3.0	4	38.6	.	.	.	.	.	.	.	.
	7	4	2.6	4	38.6	6	4.4	4	34.4	.	.	.	.	.	.	.	.	.	.	.	.
	8	8	4.1	8	51.1	4	2.7	3	36.2	6	3.2	5	39.6	.	.	.	.	.	.	.	.
	9	7	4.0	7	46.7	5	3.2	4	34.2	.	.	.	.	.	.	.	.	.	.	.	.
	10	13	6.6	12	42.1	2	1.2	2	57.7	.	.	.	.	.	.	.	.	.	.	.	.
Science	5	12	4.6	13	58.0	6	2.1	6	61.9	.	.	.	.	.	.	.	.	.	.	.	.
	8	11	4.2	11	55.3	13	5.1	13	57.5	6	2.6	6	48.3	.	.	.	.	3	1.4	3	50.6
	10	10	3.9	10	51.8	7	2.8	7	54.7	.	.	.	.	4	2.	4	44.4	3	1.4	3	52.7
Reading Spanish	3	15	5.1	15	60.8	9	3.7	9	54.0	7	2.4	7	56.6	.	.	.	.	.	.	.	.
	4	17	7.8	16	45.4	12	4.8	12	49.7	7	2.6	7	63.4	.	.	.	.	.	.	.	.
Writing Spanish	3	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	10	3.7	12	69.5
	4	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	8	3.6	7	43.3

Table 158. Raw Score Descriptive Statistics by Subcontent Area (cont'd)

Content Area	Grade	Subcontent Area												Total			
		6				7				8							
		Mean	SD	Med.	Mean % of Max	Mean	SD	Med.	Mean % of Max	Mean	SD	Med.	Mean % of Max	Mean	SD	Med.	Mean % of Max
Reading	3	.	.	.	.	.	.	.	.	.	.	.	.	32	9.4	33	61.2
	4	.	.	.	.	.	.	.	.	.	.	.	.	57	16.1	61	63.7
	5	.	.	.	.	.	.	.	.	.	.	.	.	53	16.2	56	58.7
	6	.	.	.	.	.	.	.	.	.	.	.	.	57	16.4	60	62.5
	7	.	.	.	.	.	.	.	.	.	.	.	.	59	15.7	62	65.1
	8	.	.	.	.	.	.	.	.	.	.	.	.	56	15.4	58	61.4
	9	.	.	.	.	.	.	.	.	.	.	.	.	56	15.3	57	60.6
	10	.	.	.	.	.	.	.	.	.	.	.	.	56	16.4	59	60.0
Writing	3	.	.	.	.	14	3.4	15	79.7	8	2.4	9	73.4	42	9.0	44	75.4
	4	8	1.9	8	72.5	15	3.3	16	79.2	8	2.8	8	65.2	48	10.6	50	70.0
	5	8	1.9	9	74.4	14	3.8	15	73.0	12	3.6	13	73.4	49	11.1	51	71.5
	6	9	1.9	9	82.1	16	5.2	17	65.8	8	2.2	8	69.1	47	11.0	49	68.6
	7	8	2.0	7	68.6	19	4.7	20	78.5	6	2.1	6	61.1	48	10.9	51	70.3
	8	8	1.7	9	74.6	16	4.4	17	73.5	9	2.5	9	70.9	49	10.6	50	70.5
	9	8	1.7	9	76.0	16	5.1	17	71.8	7	2.1	7	70.1	47	11.5	49	68.4
	10	8	2.1	9	74.6	21	5.0	22	79.8	4	1.8	4	56.3	49	11.1	51	70.6
Mathematics	3	.	.	.	.	.	.	.	.	.	.	.	.	32	10.5	34	65.3
	4	.	.	.	.	.	.	.	.	.	.	.	.	65	18.8	69	68.7
	5	.	.	.	.	.	.	.	.	.	.	.	.	61	19.3	63	63.6
	6	.	.	.	.	.	.	.	.	.	.	.	.	49	17.8	49	56.8
	7	.	.	.	.	.	.	.	.	.	.	.	.	42	17.7	39	47.8
	8	.	.	.	.	.	.	.	.	.	.	.	.	40	17.6	38	46.7
	9	.	.	.	.	.	.	.	.	.	.	.	.	35	17.5	32	40.6
	10	.	.	.	.	.	.	.	.	.	.	.	.	38	17.7	35	43.4
Science	5	.	.	.	.	.	.	.	.	.	.	.	.	52	15.5	53	58.8
	8	6	2.4	6	50.6	.	.	.	.	.	.	.	.	52	17.9	53	52.7
	10	7	2.4	7	54.9	.	.	.	.	.	.	.	.	48	15.5	49	49.0
Reading Spanish	3	.	.	.	.	.	.	.	.	.	.	.	.	30	9.9	31	57.7
	4	.	.	.	.	.	.	.	.	.	.	.	.	45	17.8	44	48.9
Writing Spanish	3	.	.	.	.	15	3.6	15	73.5	7	2.4	7	67.7	39	9.7	41	70.1
	4	5	2.3	5	45.2	11	3.9	10	55.8	6	2.7	6	42.5	34	10.9	32	49.1

Table 159. Scale Score Distribution, Reading Grade 3

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
150	376	0.60	376	0.60	313	2	0.00	456	0.72	362	12	0.02	721	1.14
169	1	0.00	377	0.60	314	2	0.00	458	0.73	363	10	0.02	731	1.16
190	1	0.00	378	0.60	316	2	0.00	460	0.73	364	11	0.02	742	1.18
196	1	0.00	379	0.60	317	3	0.00	463	0.73	365	10	0.02	752	1.19
200	1	0.00	380	0.60	318	3	0.00	466	0.74	366	7	0.01	759	1.20
204	1	0.00	381	0.60	319	2	0.00	468	0.74	367	9	0.01	768	1.22
207	1	0.00	382	0.61	321	4	0.01	472	0.75	368	7	0.01	775	1.23
209	1	0.00	383	0.61	322	4	0.01	476	0.75	369	15	0.02	790	1.25
226	1	0.00	384	0.61	323	4	0.01	480	0.76	370	8	0.01	798	1.26
240	1	0.00	385	0.61	324	4	0.01	484	0.77	371	9	0.01	807	1.28
249	1	0.00	386	0.61	325	5	0.01	489	0.77	372	17	0.03	824	1.31
255	2	0.00	388	0.61	326	4	0.01	493	0.78	373	11	0.02	835	1.32
256	1	0.00	389	0.62	327	6	0.01	499	0.79	374	14	0.02	849	1.35
257	1	0.00	390	0.62	328	2	0.00	501	0.79	375	10	0.02	859	1.36
263	1	0.00	391	0.62	329	2	0.00	503	0.80	376	11	0.02	870	1.38
265	1	0.00	392	0.62	330	3	0.00	506	0.80	377	12	0.02	882	1.40
268	1	0.00	393	0.62	331	4	0.01	510	0.81	378	22	0.03	904	1.43
271	1	0.00	394	0.62	332	8	0.01	518	0.82	379	16	0.03	920	1.46
274	1	0.00	395	0.63	333	6	0.01	524	0.83	380	18	0.03	938	1.49
276	1	0.00	396	0.63	334	3	0.00	527	0.84	381	21	0.03	959	1.52
277	5	0.01	401	0.64	335	5	0.01	532	0.84	382	27	0.04	986	1.56
278	2	0.00	403	0.64	336	3	0.00	535	0.85	383	23	0.04	1009	1.60
279	3	0.00	406	0.64	337	4	0.01	539	0.85	384	22	0.03	1031	1.63
280	2	0.00	408	0.65	338	8	0.01	547	0.87	385	24	0.04	1055	1.67
281	1	0.00	409	0.65	339	6	0.01	553	0.88	386	20	0.03	1075	1.70
283	1	0.00	410	0.65	340	7	0.01	560	0.89	387	15	0.02	1090	1.73
285	1	0.00	411	0.65	341	5	0.01	565	0.90	388	27	0.04	1117	1.77
287	1	0.00	412	0.65	342	4	0.01	569	0.90	389	24	0.04	1141	1.81
288	5	0.01	417	0.66	343	5	0.01	574	0.91	390	18	0.03	1159	1.84
289	1	0.00	418	0.66	344	7	0.01	581	0.92	391	25	0.04	1184	1.88
291	2	0.00	420	0.67	345	7	0.01	588	0.93	392	24	0.04	1208	1.91
292	3	0.00	423	0.67	346	6	0.01	594	0.94	393	24	0.04	1232	1.95
293	3	0.00	426	0.68	347	8	0.01	602	0.95	394	21	0.03	1253	1.99
294	3	0.00	429	0.68	348	5	0.01	607	0.96	395	23	0.04	1276	2.02
296	2	0.00	431	0.68	349	3	0.00	610	0.97	396	26	0.04	1302	2.06
297	3	0.00	434	0.69	350	7	0.01	617	0.98	397	25	0.04	1327	2.10
298	1	0.00	435	0.69	351	6	0.01	623	0.99	398	23	0.04	1350	2.14
299	1	0.00	436	0.69	352	8	0.01	631	1.00	399	24	0.04	1374	2.18
300	2	0.00	438	0.69	353	8	0.01	639	1.01	400	28	0.04	1402	2.22
301	1	0.00	439	0.70	354	6	0.01	645	1.02	401	17	0.03	1419	2.25
302	1	0.00	440	0.70	355	6	0.01	651	1.03	402	33	0.05	1452	2.30
305	2	0.00	442	0.70	356	7	0.01	658	1.04	403	34	0.05	1486	2.35
306	3	0.00	445	0.71	357	9	0.01	667	1.06	404	27	0.04	1513	2.40
307	2	0.00	447	0.71	358	8	0.01	675	1.07	405	22	0.03	1535	2.43
308	2	0.00	449	0.71	359	15	0.02	690	1.09	406	31	0.05	1566	2.48
311	2	0.00	451	0.71	360	11	0.02	701	1.11	407	48	0.08	1614	2.56
312	3	0.00	454	0.72	361	8	0.01	709	1.12	408	30	0.05	1644	2.61

Table 159. Scale Score Distribution, Reading Grade 3 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
409	32	0.05	1676	2.66	456	77	0.12	4263	6.75	503	194	0.31	10819	17.14
410	41	0.06	1717	2.72	457	82	0.13	4345	6.88	504	194	0.31	11013	17.45
411	35	0.06	1752	2.78	458	83	0.13	4428	7.02	505	224	0.35	11237	17.81
412	40	0.06	1792	2.84	459	86	0.14	4514	7.15	506	243	0.39	11480	18.19
413	39	0.06	1831	2.90	460	78	0.12	4592	7.28	507	225	0.36	11705	18.55
414	29	0.05	1860	2.95	461	95	0.15	4687	7.43	508	226	0.36	11931	18.91
415	41	0.06	1901	3.01	462	74	0.12	4761	7.54	509	238	0.38	12169	19.28
416	35	0.06	1936	3.07	463	85	0.13	4846	7.68	510	237	0.38	12406	19.66
417	39	0.06	1975	3.13	464	93	0.15	4939	7.83	511	236	0.37	12642	20.03
418	38	0.06	2013	3.19	465	108	0.17	5047	8.00	512	245	0.39	12887	20.42
419	50	0.08	2063	3.27	466	91	0.14	5138	8.14	513	241	0.38	13128	20.80
420	44	0.07	2107	3.34	467	101	0.16	5239	8.30	514	246	0.39	13374	21.19
421	45	0.07	2152	3.41	468	113	0.18	5352	8.48	515	230	0.36	13604	21.56
422	33	0.05	2185	3.46	469	115	0.18	5467	8.66	516	220	0.35	13824	21.90
423	52	0.08	2237	3.54	470	105	0.17	5572	8.83	517	254	0.40	14078	22.31
424	49	0.08	2286	3.62	471	95	0.15	5667	8.98	518	264	0.42	14342	22.73
425	45	0.07	2331	3.69	472	108	0.17	5775	9.15	519	282	0.45	14624	23.17
426	51	0.08	2382	3.77	473	118	0.19	5893	9.34	520	278	0.44	14902	23.61
427	48	0.08	2430	3.85	474	136	0.22	6029	9.55	521	257	0.41	15159	24.02
428	43	0.07	2473	3.92	475	116	0.18	6145	9.74	522	261	0.41	15420	24.43
429	47	0.07	2520	3.99	476	118	0.19	6263	9.92	523	280	0.44	15700	24.88
430	64	0.10	2584	4.09	477	137	0.22	6400	10.14	524	257	0.41	15957	25.28
431	43	0.07	2627	4.16	478	119	0.19	6519	10.33	525	309	0.49	16266	25.77
432	58	0.09	2685	4.25	479	146	0.23	6665	10.56	526	269	0.43	16535	26.20
433	52	0.08	2737	4.34	480	123	0.19	6788	10.76	527	297	0.47	16832	26.67
434	64	0.10	2801	4.44	481	157	0.25	6945	11.00	528	280	0.44	17112	27.11
435	51	0.08	2852	4.52	482	141	0.22	7086	11.23	529	299	0.47	17411	27.59
436	48	0.08	2900	4.60	483	150	0.24	7236	11.47	530	315	0.50	17726	28.09
437	65	0.10	2965	4.70	484	159	0.25	7395	11.72	531	303	0.48	18029	28.57
438	60	0.10	3025	4.79	485	163	0.26	7558	11.98	532	299	0.47	18328	29.04
439	59	0.09	3084	4.89	486	145	0.23	7703	12.21	533	315	0.50	18643	29.54
440	56	0.09	3140	4.98	487	186	0.29	7889	12.50	534	313	0.50	18956	30.04
441	54	0.09	3194	5.06	488	157	0.25	8046	12.75	535	302	0.48	19258	30.52
442	79	0.13	3273	5.19	489	166	0.26	8212	13.01	536	312	0.49	19570	31.01
443	56	0.09	3329	5.28	490	171	0.27	8383	13.28	537	311	0.49	19881	31.50
444	71	0.11	3400	5.39	491	180	0.29	8563	13.57	538	301	0.48	20182	31.98
445	61	0.10	3461	5.48	492	172	0.27	8735	13.84	539	362	0.57	20544	32.55
446	57	0.09	3518	5.57	493	167	0.26	8902	14.11	540	352	0.56	20896	33.11
447	70	0.11	3588	5.69	494	187	0.30	9089	14.40	541	327	0.52	21223	33.63
448	81	0.13	3669	5.81	495	190	0.30	9279	14.70	542	345	0.55	21568	34.18
449	67	0.11	3736	5.92	496	177	0.28	9456	14.98	543	346	0.55	21914	34.72
450	63	0.10	3799	6.02	497	220	0.35	9676	15.33	544	297	0.47	22211	35.19
451	67	0.11	3866	6.13	498	186	0.29	9862	15.63	545	332	0.53	22543	35.72
452	68	0.11	3934	6.23	499	200	0.32	10062	15.94	546	342	0.54	22885	36.26
453	86	0.14	4020	6.37	500	197	0.31	10259	16.26	547	337	0.53	23222	36.80
454	88	0.14	4108	6.51	501	179	0.28	10438	16.54	548	346	0.55	23568	37.34
455	78	0.12	4186	6.63	502	187	0.30	10625	16.84	549	356	0.56	23924	37.91

Table 159. Scale Score Distribution, Reading Grade 3 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
550	352	0.56	24276	38.47	597	374	0.59	42649	67.58	644	183	0.29	56607	89.70
551	382	0.61	24658	39.07	598	366	0.58	43015	68.16	645	200	0.32	56807	90.01
552	370	0.59	25028	39.66	599	384	0.61	43399	68.77	646	178	0.28	56985	90.30
553	362	0.57	25390	40.23	600	401	0.64	43800	69.40	647	194	0.31	57179	90.60
554	397	0.63	25787	40.86	601	359	0.57	44159	69.97	648	166	0.26	57345	90.87
555	357	0.57	26144	41.43	602	386	0.61	44545	70.58	649	199	0.32	57544	91.18
556	365	0.58	26509	42.01	603	342	0.54	44887	71.13	650	169	0.27	57713	91.45
557	378	0.60	26887	42.60	604	355	0.56	45242	71.69	651	179	0.28	57892	91.73
558	390	0.62	27277	43.22	605	327	0.52	45569	72.21	652	171	0.27	58063	92.00
559	357	0.57	27634	43.79	606	366	0.58	45935	72.79	653	159	0.25	58222	92.26
560	374	0.59	28008	44.38	607	342	0.54	46277	73.33	654	171	0.27	58393	92.53
561	408	0.65	28416	45.03	608	350	0.55	46627	73.88	655	151	0.24	58544	92.77
562	375	0.59	28791	45.62	609	344	0.55	46971	74.43	656	146	0.23	58690	93.00
563	358	0.57	29149	46.19	610	354	0.56	47325	74.99	657	147	0.23	58837	93.23
564	377	0.60	29526	46.79	611	332	0.53	47657	75.52	658	139	0.22	58976	93.45
565	423	0.67	29949	47.46	612	321	0.51	47978	76.02	659	142	0.23	59118	93.68
566	437	0.69	30386	48.15	613	316	0.50	48294	76.52	660	142	0.23	59260	93.90
567	411	0.65	30797	48.80	614	353	0.56	48647	77.08	661	137	0.22	59397	94.12
568	395	0.63	31192	49.43	615	324	0.51	48971	77.60	662	110	0.17	59507	94.29
569	387	0.61	31579	50.04	616	307	0.49	49278	78.08	663	121	0.19	59628	94.48
570	415	0.66	31994	50.70	617	311	0.49	49589	78.58	664	110	0.17	59738	94.66
571	409	0.65	32403	51.34	618	306	0.48	49895	79.06	665	118	0.19	59856	94.85
572	402	0.64	32805	51.98	619	312	0.49	50207	79.56	666	117	0.19	59973	95.03
573	389	0.62	33194	52.60	620	278	0.44	50485	80.00	667	106	0.17	60079	95.20
574	393	0.62	33587	53.22	621	323	0.51	50808	80.51	668	97	0.15	60176	95.35
575	402	0.64	33989	53.86	622	298	0.47	51106	80.98	669	92	0.15	60268	95.50
576	351	0.56	34340	54.41	623	307	0.49	51413	81.47	670	104	0.16	60372	95.66
577	407	0.64	34747	55.06	624	296	0.47	51709	81.94	671	110	0.17	60482	95.84
578	386	0.61	35133	55.67	625	292	0.46	52001	82.40	672	86	0.14	60568	95.97
579	395	0.63	35528	56.30	626	286	0.45	52287	82.85	673	73	0.12	60641	96.09
580	427	0.68	35955	56.97	627	310	0.49	52597	83.34	674	98	0.16	60739	96.24
581	371	0.59	36326	57.56	628	272	0.43	52869	83.77	675	83	0.13	60822	96.38
582	426	0.68	36752	58.24	629	309	0.49	53178	84.26	676	80	0.13	60902	96.50
583	376	0.60	37128	58.83	630	288	0.46	53466	84.72	677	55	0.09	60957	96.59
584	416	0.66	37544	59.49	631	260	0.41	53726	85.13	678	73	0.12	61030	96.71
585	382	0.61	37926	60.10	632	243	0.39	53969	85.52	679	63	0.10	61093	96.81
586	401	0.64	38327	60.73	633	268	0.42	54237	85.94	680	62	0.10	61155	96.90
587	403	0.64	38730	61.37	634	226	0.36	54463	86.30	681	73	0.12	61228	97.02
588	387	0.61	39117	61.98	635	216	0.34	54679	86.64	682	59	0.09	61287	97.11
589	415	0.66	39532	62.64	636	221	0.35	54900	86.99	683	58	0.09	61345	97.20
590	350	0.55	39882	63.20	637	219	0.35	55119	87.34	684	64	0.10	61409	97.31
591	424	0.67	40306	63.87	638	218	0.35	55337	87.68	685	52	0.08	61461	97.39
592	416	0.66	40722	64.53	639	206	0.33	55543	88.01	686	77	0.12	61538	97.51
593	387	0.61	41109	65.14	640	231	0.37	55774	88.38	687	67	0.11	61605	97.62
594	385	0.61	41494	65.75	641	220	0.35	55994	88.73	688	53	0.08	61658	97.70
595	390	0.62	41884	66.37	642	230	0.36	56224	89.09	689	49	0.08	61707	97.78
596	391	0.62	42275	66.99	643	200	0.32	56424	89.41	690	46	0.07	61753	97.85

Table 159. Scale Score Distribution, Reading Grade 3 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
691	51	0.08	61804	97.93	738	5	0.01	62853	99.59
692	45	0.07	61849	98.00	739	6	0.01	62859	99.60
693	32	0.05	61881	98.05	740	4	0.01	62863	99.61
694	52	0.08	61933	98.14	741	7	0.01	62870	99.62
695	36	0.06	61969	98.19	742	7	0.01	62877	99.63
696	32	0.05	62001	98.24	743	12	0.02	62889	99.65
697	41	0.06	62042	98.31	744	7	0.01	62896	99.66
698	49	0.08	62091	98.39	745	5	0.01	62901	99.67
699	48	0.08	62139	98.46	746	5	0.01	62906	99.68
700	41	0.06	62180	98.53	747	10	0.02	62916	99.69
701	27	0.04	62207	98.57	748	7	0.01	62923	99.71
702	28	0.04	62235	98.62	749	5	0.01	62928	99.71
703	38	0.06	62273	98.68	750	6	0.01	62934	99.72
704	20	0.03	62293	98.71	751	6	0.01	62940	99.73
705	25	0.04	62318	98.75	752	11	0.02	62951	99.75
706	21	0.03	62339	98.78	753	7	0.01	62958	99.76
707	26	0.04	62365	98.82	754	8	0.01	62966	99.77
708	35	0.06	62400	98.88	755	3	0.00	62969	99.78
709	28	0.04	62428	98.92	756	5	0.01	62974	99.79
710	25	0.04	62453	98.96	757	1	0.00	62975	99.79
711	28	0.04	62481	99.00	758	3	0.00	62978	99.79
712	30	0.05	62511	99.05	759	1	0.00	62979	99.79
713	22	0.03	62533	99.09	760	2	0.00	62981	99.80
714	27	0.04	62560	99.13	761	1	0.00	62982	99.80
715	19	0.03	62579	99.16	762	2	0.00	62984	99.80
716	20	0.03	62599	99.19	763	4	0.01	62988	99.81
717	20	0.03	62619	99.22	766	3	0.00	62991	99.81
718	17	0.03	62636	99.25	767	1	0.00	62992	99.81
719	13	0.02	62649	99.27	768	3	0.00	62995	99.82
720	14	0.02	62663	99.29	769	2	0.00	62997	99.82
721	11	0.02	62674	99.31	771	12	0.02	63009	99.84
722	13	0.02	62687	99.33	772	6	0.01	63015	99.85
723	19	0.03	62706	99.36	774	6	0.01	63021	99.86
724	12	0.02	62718	99.38	775	2	0.00	63023	99.86
725	6	0.01	62724	99.39	776	2	0.00	63025	99.87
726	15	0.02	62739	99.41	777	1	0.00	63026	99.87
727	13	0.02	62752	99.43	778	4	0.01	63030	99.87
728	16	0.03	62768	99.46	779	9	0.01	63039	99.89
729	4	0.01	62772	99.47	780	3	0.00	63042	99.89
730	15	0.02	62787	99.49	782	2	0.00	63044	99.90
731	9	0.01	62796	99.50	783	1	0.00	63045	99.90
732	11	0.02	62807	99.52	784	3	0.00	63048	99.90
733	11	0.02	62818	99.54	785	2	0.00	63050	99.91
734	12	0.02	62830	99.56	786	1	0.00	63051	99.91
735	6	0.01	62836	99.57	787	1	0.00	63052	99.91
736	6	0.01	62842	99.58	789	1	0.00	63053	99.91
737	6	0.01	62848	99.59	795	56	0.09	63109	100.00

Table 160. Scale Score Distribution, Reading Grade 3 (Spanish)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
300	20	1.68	20	1.68	466	3	0.25	127	10.68	513	16	1.35	510	42.89
374	1	0.08	21	1.77	467	3	0.25	130	10.93	514	12	1.01	522	43.90
382	1	0.08	22	1.85	468	4	0.34	134	11.27	515	8	0.67	530	44.58
392	1	0.08	23	1.93	469	2	0.17	136	11.44	516	10	0.84	540	45.42
395	1	0.08	24	2.02	470	1	0.08	137	11.52	517	13	1.09	553	46.51
399	1	0.08	25	2.10	471	6	0.50	143	12.03	518	10	0.84	563	47.35
400	1	0.08	26	2.19	472	7	0.59	150	12.62	519	11	0.93	574	48.28
403	1	0.08	27	2.27	473	4	0.34	154	12.95	520	8	0.67	582	48.95
404	1	0.08	28	2.35	474	6	0.50	160	13.46	521	15	1.26	597	50.21
416	1	0.08	29	2.44	475	7	0.59	167	14.05	522	8	0.67	605	50.88
417	1	0.08	30	2.52	476	3	0.25	170	14.30	523	8	0.67	613	51.56
419	1	0.08	31	2.61	477	4	0.34	174	14.63	524	9	0.76	622	52.31
421	2	0.17	33	2.78	478	8	0.67	182	15.31	525	10	0.84	632	53.15
422	1	0.08	34	2.86	479	8	0.67	190	15.98	526	9	0.76	641	53.91
423	1	0.08	35	2.94	480	8	0.67	198	16.65	527	12	1.01	653	54.92
430	3	0.25	38	3.20	481	7	0.59	205	17.24	528	13	1.09	666	56.01
431	5	0.42	43	3.62	482	6	0.50	211	17.75	529	7	0.59	673	56.60
433	1	0.08	44	3.70	483	3	0.25	214	18.00	530	13	1.09	686	57.70
434	2	0.17	46	3.87	484	11	0.93	225	18.92	531	12	1.01	698	58.70
435	1	0.08	47	3.95	485	12	1.01	237	19.93	532	10	0.84	708	59.55
436	2	0.17	49	4.12	486	8	0.67	245	20.61	533	9	0.76	717	60.30
437	2	0.17	51	4.29	487	10	0.84	255	21.45	534	10	0.84	727	61.14
438	4	0.34	55	4.63	488	11	0.93	266	22.37	535	12	1.01	739	62.15
441	1	0.08	56	4.71	489	14	1.18	280	23.55	536	8	0.67	747	62.83
442	1	0.08	57	4.79	490	4	0.34	284	23.89	537	14	1.18	761	64.00
443	2	0.17	59	4.96	491	5	0.42	289	24.31	538	15	1.26	776	65.26
444	2	0.17	61	5.13	492	4	0.34	293	24.64	539	12	1.01	788	66.27
445	1	0.08	62	5.21	493	11	0.93	304	25.57	540	10	0.84	798	67.12
446	2	0.17	64	5.38	494	10	0.84	314	26.41	541	9	0.76	807	67.87
447	2	0.17	66	5.55	495	6	0.50	320	26.91	542	9	0.76	816	68.63
448	2	0.17	68	5.72	496	13	1.09	333	28.01	543	11	0.93	827	69.55
450	4	0.34	72	6.06	497	6	0.50	339	28.51	544	7	0.59	834	70.14
451	2	0.17	74	6.22	498	7	0.59	346	29.10	545	8	0.67	842	70.82
452	2	0.17	76	6.39	499	9	0.76	355	29.86	546	8	0.67	850	71.49
453	3	0.25	79	6.64	500	8	0.67	363	30.53	547	6	0.50	856	71.99
454	2	0.17	81	6.81	501	9	0.76	372	31.29	548	12	1.01	868	73.00
455	2	0.17	83	6.98	502	9	0.76	381	32.04	549	12	1.01	880	74.01
456	1	0.08	84	7.06	503	9	0.76	390	32.80	550	12	1.01	892	75.02
457	5	0.42	89	7.49	504	12	1.01	402	33.81	551	8	0.67	900	75.69
458	5	0.42	94	7.91	505	8	0.67	410	34.48	552	5	0.42	905	76.11
459	4	0.34	98	8.24	506	15	1.26	425	35.74	553	10	0.84	915	76.96
460	4	0.34	102	8.58	507	17	1.43	442	37.17	554	11	0.93	926	77.88
461	4	0.34	106	8.92	508	7	0.59	449	37.76	555	12	1.01	938	78.89
462	4	0.34	110	9.25	509	16	1.35	465	39.11	556	12	1.01	950	79.90
463	2	0.17	112	9.42	510	8	0.67	473	39.78	557	12	1.01	962	80.91
464	5	0.42	117	9.84	511	12	1.01	485	40.79	558	10	0.84	972	81.75
465	7	0.59	124	10.43	512	9	0.76	494	41.55	559	5	0.42	977	82.17

Table 160. Scale Score Distribution, Reading Grade 3 (Spanish) (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
560	14	1.18	991	83.35	610	4	0.34	1175	98.82
561	13	1.09	1004	84.44	612	2	0.17	1177	98.99
562	5	0.42	1009	84.86	614	1	0.08	1178	99.07
563	9	0.76	1018	85.62	619	1	0.08	1179	99.16
564	6	0.50	1024	86.12	620	1	0.08	1180	99.24
565	4	0.34	1028	86.46	623	2	0.17	1182	99.41
566	7	0.59	1035	87.05	626	1	0.08	1183	99.50
567	6	0.50	1041	87.55	628	1	0.08	1184	99.58
568	5	0.42	1046	87.97	630	1	0.08	1185	99.66
569	8	0.67	1054	88.65	631	1	0.08	1186	99.75
570	7	0.59	1061	89.23	642	2	0.17	1188	99.92
571	7	0.59	1068	89.82	652	1	0.08	1189	100.00
572	3	0.25	1071	90.08					
573	2	0.17	1073	90.24					
574	5	0.42	1078	90.66					
575	6	0.50	1084	91.17					
576	4	0.34	1088	91.51					
577	4	0.34	1092	91.84					
578	2	0.17	1094	92.01					
579	3	0.25	1097	92.26					
580	4	0.34	1101	92.60					
581	3	0.25	1104	92.85					
582	6	0.50	1110	93.36					
583	7	0.59	1117	93.94					
584	1	0.08	1118	94.03					
585	2	0.17	1120	94.20					
586	2	0.17	1122	94.37					
587	3	0.25	1125	94.62					
588	4	0.34	1129	94.95					
589	1	0.08	1130	95.04					
590	4	0.34	1134	95.37					
591	6	0.50	1140	95.88					
593	1	0.08	1141	95.96					
594	1	0.08	1142	96.05					
595	3	0.25	1145	96.30					
596	2	0.17	1147	96.47					
597	2	0.17	1149	96.64					
598	2	0.17	1151	96.80					
599	3	0.25	1154	97.06					
600	3	0.25	1157	97.31					
601	2	0.17	1159	97.48					
602	1	0.08	1160	97.56					
603	1	0.08	1161	97.65					
605	2	0.17	1163	97.81					
606	3	0.25	1166	98.07					
607	2	0.17	1168	98.23					
608	3	0.25	1171	98.49					

Table 161. Scale Score Distribution, Writing Grade 3

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
150	55	0.09	55	0.09	259	2	0.00	169	0.27	309	4	0.01	306	0.48
200	1	0.00	56	0.09	260	4	0.01	173	0.27	310	4	0.01	310	0.49
202	2	0.00	58	0.09	261	4	0.01	177	0.28	311	8	0.01	318	0.50
203	4	0.01	62	0.10	262	1	0.00	178	0.28	312	4	0.01	322	0.51
204	1	0.00	63	0.10	263	3	0.00	181	0.29	313	3	0.00	325	0.51
205	2	0.00	65	0.10	264	2	0.00	183	0.29	314	3	0.00	328	0.52
207	5	0.01	70	0.11	265	2	0.00	185	0.29	315	11	0.02	339	0.54
208	2	0.00	72	0.11	266	2	0.00	187	0.30	316	3	0.00	342	0.54
209	1	0.00	73	0.12	267	1	0.00	188	0.30	317	13	0.02	355	0.56
210	4	0.01	77	0.12	268	4	0.01	192	0.30	318	6	0.01	361	0.57
211	3	0.00	80	0.13	269	2	0.00	194	0.31	319	7	0.01	368	0.58
212	3	0.00	83	0.13	271	2	0.00	196	0.31	320	8	0.01	376	0.60
213	2	0.00	85	0.13	272	3	0.00	199	0.32	321	9	0.01	385	0.61
214	2	0.00	87	0.14	273	5	0.01	204	0.32	322	10	0.02	395	0.63
215	2	0.00	89	0.14	274	5	0.01	209	0.33	323	6	0.01	401	0.64
216	3	0.00	92	0.15	275	3	0.00	212	0.34	324	10	0.02	411	0.65
217	2	0.00	94	0.15	276	1	0.00	213	0.34	325	9	0.01	420	0.67
218	2	0.00	96	0.15	277	4	0.01	217	0.34	326	10	0.02	430	0.68
219	4	0.01	100	0.16	278	5	0.01	222	0.35	327	6	0.01	436	0.69
222	1	0.00	101	0.16	279	1	0.00	223	0.35	328	8	0.01	444	0.70
224	2	0.00	103	0.16	281	1	0.00	224	0.35	329	5	0.01	449	0.71
225	1	0.00	104	0.16	282	1	0.00	225	0.36	330	15	0.02	464	0.74
227	3	0.00	107	0.17	283	1	0.00	226	0.36	331	10	0.02	474	0.75
228	5	0.01	112	0.18	284	2	0.00	228	0.36	332	14	0.02	488	0.77
230	3	0.00	115	0.18	286	2	0.00	230	0.36	333	14	0.02	502	0.80
231	2	0.00	117	0.19	287	1	0.00	231	0.37	334	8	0.01	510	0.81
232	1	0.00	118	0.19	288	4	0.01	235	0.37	335	9	0.01	519	0.82
233	1	0.00	119	0.19	289	2	0.00	237	0.38	336	14	0.02	533	0.84
234	3	0.00	122	0.19	290	3	0.00	240	0.38	337	14	0.02	547	0.87
235	3	0.00	125	0.20	291	3	0.00	243	0.39	338	15	0.02	562	0.89
236	3	0.00	128	0.20	292	2	0.00	245	0.39	339	12	0.02	574	0.91
237	1	0.00	129	0.20	293	3	0.00	248	0.39	340	13	0.02	587	0.93
238	2	0.00	131	0.21	294	2	0.00	250	0.40	341	13	0.02	600	0.95
240	3	0.00	134	0.21	295	3	0.00	253	0.40	342	17	0.03	617	0.98
241	4	0.01	138	0.22	296	2	0.00	255	0.40	343	12	0.02	629	1.00
243	1	0.00	139	0.22	297	4	0.01	259	0.41	344	22	0.03	651	1.03
244	3	0.00	142	0.23	298	6	0.01	265	0.42	345	21	0.03	672	1.06
245	2	0.00	144	0.23	299	2	0.00	267	0.42	346	16	0.03	688	1.09
247	1	0.00	145	0.23	300	2	0.00	269	0.43	347	18	0.03	706	1.12
248	3	0.00	148	0.23	301	5	0.01	274	0.43	348	19	0.03	725	1.15
250	2	0.00	150	0.24	302	5	0.01	279	0.44	349	25	0.04	750	1.19
251	3	0.00	153	0.24	303	3	0.00	282	0.45	350	18	0.03	768	1.22
252	3	0.00	156	0.25	304	4	0.01	286	0.45	351	20	0.03	788	1.25
255	1	0.00	157	0.25	305	5	0.01	291	0.46	352	19	0.03	807	1.28
256	4	0.01	161	0.26	306	3	0.00	294	0.47	353	33	0.05	840	1.33
257	4	0.01	165	0.26	307	6	0.01	300	0.48	354	27	0.04	867	1.37
258	2	0.00	167	0.26	308	2	0.00	302	0.48	355	44	0.07	911	1.44

Table 161. Scale Score Distribution, Writing Grade 3 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
356	38	0.06	949	1.50	403	186	0.29	5385	8.53	450	533	0.84	21975	34.82
357	27	0.04	976	1.55	404	183	0.29	5568	8.82	451	559	0.89	22534	35.71
358	30	0.05	1006	1.59	405	190	0.30	5758	9.12	452	509	0.81	23043	36.51
359	45	0.07	1051	1.67	406	206	0.33	5964	9.45	453	525	0.83	23568	37.34
360	36	0.06	1087	1.72	407	221	0.35	6185	9.80	454	567	0.90	24135	38.24
361	44	0.07	1131	1.79	408	236	0.37	6421	10.17	455	580	0.92	24715	39.16
362	46	0.07	1177	1.87	409	209	0.33	6630	10.51	456	560	0.89	25275	40.05
363	45	0.07	1222	1.94	410	232	0.37	6862	10.87	457	564	0.89	25839	40.94
364	49	0.08	1271	2.01	411	242	0.38	7104	11.26	458	563	0.89	26402	41.84
365	53	0.08	1324	2.10	412	215	0.34	7319	11.60	459	553	0.88	26955	42.71
366	53	0.08	1377	2.18	413	254	0.40	7573	12.00	460	610	0.97	27565	43.68
367	36	0.06	1413	2.24	414	236	0.37	7809	12.37	461	581	0.92	28146	44.60
368	71	0.11	1484	2.35	415	253	0.40	8062	12.77	462	569	0.90	28715	45.50
369	50	0.08	1534	2.43	416	262	0.42	8324	13.19	463	543	0.86	29258	46.36
370	63	0.10	1597	2.53	417	288	0.46	8612	13.65	464	590	0.93	29848	47.30
371	59	0.09	1656	2.62	418	267	0.42	8879	14.07	465	603	0.96	30451	48.25
372	70	0.11	1726	2.73	419	287	0.45	9166	14.52	466	659	1.04	31110	49.30
373	71	0.11	1797	2.85	420	273	0.43	9439	14.96	467	600	0.95	31710	50.25
374	72	0.11	1869	2.96	421	316	0.50	9755	15.46	468	584	0.93	32294	51.17
375	75	0.12	1944	3.08	422	317	0.50	10072	15.96	469	598	0.95	32892	52.12
376	70	0.11	2014	3.19	423	332	0.53	10404	16.49	470	617	0.98	33509	53.10
377	85	0.13	2099	3.33	424	346	0.55	10750	17.03	471	574	0.91	34083	54.01
378	90	0.14	2189	3.47	425	324	0.51	11074	17.55	472	550	0.87	34633	54.88
379	94	0.15	2283	3.62	426	352	0.56	11426	18.11	473	550	0.87	35183	55.75
380	102	0.16	2385	3.78	427	371	0.59	11797	18.69	474	586	0.93	35769	56.68
381	76	0.12	2461	3.90	428	358	0.57	12155	19.26	475	573	0.91	36342	57.59
382	85	0.13	2546	4.03	429	393	0.62	12548	19.88	476	584	0.93	36926	58.51
383	99	0.16	2645	4.19	430	347	0.55	12895	20.43	477	558	0.88	37484	59.40
384	110	0.17	2755	4.37	431	396	0.63	13291	21.06	478	589	0.93	38073	60.33
385	91	0.14	2846	4.51	432	355	0.56	13646	21.62	479	544	0.86	38617	61.19
386	111	0.18	2957	4.69	433	418	0.66	14064	22.29	480	567	0.90	39184	62.09
387	105	0.17	3062	4.85	434	410	0.65	14474	22.93	481	549	0.87	39733	62.96
388	111	0.18	3173	5.03	435	402	0.64	14876	23.57	482	548	0.87	40281	63.83
389	133	0.21	3306	5.24	436	428	0.68	15304	24.25	483	586	0.93	40867	64.76
390	116	0.18	3422	5.42	437	459	0.73	15763	24.98	484	570	0.90	41437	65.66
391	112	0.18	3534	5.60	438	435	0.69	16198	25.67	485	548	0.87	41985	66.53
392	125	0.20	3659	5.80	439	478	0.76	16676	26.42	486	517	0.82	42502	67.35
393	119	0.19	3778	5.99	440	457	0.72	17133	27.15	487	501	0.79	43003	68.14
394	160	0.25	3938	6.24	441	470	0.74	17603	27.89	488	501	0.79	43504	68.93
395	160	0.25	4098	6.49	442	458	0.73	18061	28.62	489	524	0.83	44028	69.77
396	138	0.22	4236	6.71	443	443	0.70	18504	29.32	490	517	0.82	44545	70.58
397	169	0.27	4405	6.98	444	487	0.77	18991	30.09	491	495	0.78	45040	71.37
398	138	0.22	4543	7.20	445	481	0.76	19472	30.85	492	450	0.71	45490	72.08
399	152	0.24	4695	7.44	446	484	0.77	19956	31.62	493	463	0.73	45953	72.82
400	151	0.24	4846	7.68	447	492	0.78	20448	32.40	494	471	0.75	46424	73.56
401	177	0.28	5023	7.96	448	492	0.78	20940	33.18	495	451	0.71	46875	74.28
402	176	0.28	5199	8.24	449	502	0.80	21442	33.98	496	479	0.76	47354	75.04

Table 161. Scale Score Distribution, Writing Grade 3 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
497	430	0.68	47784	75.72	544	113	0.18	60259	95.48
498	418	0.66	48202	76.38	545	83	0.13	60342	95.62
499	436	0.69	48638	77.07	546	218	0.35	60560	95.96
500	424	0.67	49062	77.74	547	75	0.12	60635	96.08
501	381	0.60	49443	78.35	548	95	0.15	60730	96.23
502	424	0.67	49867	79.02	549	81	0.13	60811	96.36
503	374	0.59	50241	79.61	550	54	0.09	60865	96.44
504	375	0.59	50616	80.20	551	42	0.07	60907	96.51
505	380	0.60	50996	80.81	552	52	0.08	60959	96.59
506	396	0.63	51392	81.43	553	73	0.12	61032	96.71
507	390	0.62	51782	82.05	554	52	0.08	61084	96.79
508	358	0.57	52140	82.62	555	33	0.05	61117	96.84
509	384	0.61	52524	83.23	556	62	0.10	61179	96.94
510	288	0.46	52812	83.68	557	194	0.31	61373	97.25
511	371	0.59	53183	84.27	558	175	0.28	61548	97.53
512	303	0.48	53486	84.75	559	9	0.01	61557	97.54
513	302	0.48	53788	85.23	560	69	0.11	61626	97.65
514	326	0.52	54114	85.75	561	69	0.11	61695	97.76
515	334	0.53	54448	86.28	562	54	0.09	61749	97.84
516	295	0.47	54743	86.74	563	20	0.03	61769	97.88
517	299	0.47	55042	87.22	564	101	0.16	61870	98.04
518	282	0.45	55324	87.66	565	55	0.09	61925	98.12
519	275	0.44	55599	88.10	566	66	0.10	61991	98.23
520	276	0.44	55875	88.54	567	13	0.02	62004	98.25
521	255	0.40	56130	88.94	569	17	0.03	62021	98.28
522	269	0.43	56399	89.37	570	3	0.00	62024	98.28
523	249	0.39	56648	89.76	571	27	0.04	62051	98.32
524	251	0.40	56899	90.16	572	3	0.00	62054	98.33
525	222	0.35	57121	90.51	573	12	0.02	62066	98.35
526	198	0.31	57319	90.83	575	14	0.02	62080	98.37
527	257	0.41	57576	91.23	576	1	0.00	62081	98.37
528	145	0.23	57721	91.46	577	47	0.07	62128	98.45
529	197	0.31	57918	91.77	578	1	0.00	62129	98.45
530	174	0.28	58092	92.05	579	45	0.07	62174	98.52
531	169	0.27	58261	92.32	583	36	0.06	62210	98.58
532	244	0.39	58505	92.70	584	7	0.01	62217	98.59
533	213	0.34	58718	93.04	585	146	0.23	62363	98.82
534	140	0.22	58858	93.26	586	116	0.18	62479	99.00
535	180	0.29	59038	93.55	587	90	0.14	62569	99.14
536	136	0.22	59174	93.76	588	8	0.01	62577	99.16
537	153	0.24	59327	94.01	591	14	0.02	62591	99.18
538	97	0.15	59424	94.16	592	75	0.12	62666	99.30
539	92	0.15	59516	94.31	594	2	0.00	62668	99.30
540	108	0.17	59624	94.48	595	44	0.07	62712	99.37
541	237	0.38	59861	94.85	602	89	0.14	62801	99.51
542	94	0.15	59955	95.00	607	3	0.00	62804	99.52
543	191	0.30	60146	95.30	680	305	0.48	63109	100.00

Table 162. Scale Score Distribution, Writing Grade 3 (Spanish)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
250	4	0.33	4	0.33	396	2	0.17	66	5.50	447	4	0.33	205	17.10
256	1	0.08	5	0.42	397	3	0.25	69	5.75	448	1	0.08	206	17.18
262	1	0.08	6	0.50	398	2	0.17	71	5.92	449	3	0.25	209	17.43
294	1	0.08	7	0.58	399	1	0.08	72	6.01	450	2	0.17	211	17.60
298	1	0.08	8	0.67	400	3	0.25	75	6.26	451	4	0.33	215	17.93
299	1	0.08	9	0.75	402	1	0.08	76	6.34	452	6	0.50	221	18.43
307	2	0.17	11	0.92	404	1	0.08	77	6.42	453	8	0.67	229	19.10
311	1	0.08	12	1.00	405	2	0.17	79	6.59	454	4	0.33	233	19.43
320	1	0.08	13	1.08	406	2	0.17	81	6.76	455	10	0.83	243	20.27
322	1	0.08	14	1.17	407	3	0.25	84	7.01	456	3	0.25	246	20.52
326	2	0.17	16	1.33	408	1	0.08	85	7.09	457	5	0.42	251	20.93
329	1	0.08	17	1.42	409	1	0.08	86	7.17	458	7	0.58	258	21.52
335	1	0.08	18	1.50	410	2	0.17	88	7.34	459	5	0.42	263	21.93
337	1	0.08	19	1.58	411	1	0.08	89	7.42	460	2	0.17	265	22.10
341	1	0.08	20	1.67	412	2	0.17	91	7.59	461	4	0.33	269	22.44
344	1	0.08	21	1.75	413	2	0.17	93	7.76	462	3	0.25	272	22.69
347	1	0.08	22	1.83	414	2	0.17	95	7.92	463	10	0.83	282	23.52
348	1	0.08	23	1.92	415	2	0.17	97	8.09	464	1	0.08	283	23.60
351	1	0.08	24	2.00	416	2	0.17	99	8.26	465	4	0.33	287	23.94
352	1	0.08	25	2.09	417	5	0.42	104	8.67	466	7	0.58	294	24.52
355	1	0.08	26	2.17	419	5	0.42	109	9.09	467	7	0.58	301	25.10
356	1	0.08	27	2.25	420	2	0.17	111	9.26	468	8	0.67	309	25.77
357	2	0.17	29	2.42	421	4	0.33	115	9.59	469	6	0.50	315	26.27
358	1	0.08	30	2.50	422	2	0.17	117	9.76	470	3	0.25	318	26.52
361	1	0.08	31	2.59	423	2	0.17	119	9.92	471	3	0.25	321	26.77
363	1	0.08	32	2.67	424	5	0.42	124	10.34	472	2	0.17	323	26.94
366	2	0.17	34	2.84	425	7	0.58	131	10.93	473	5	0.42	328	27.36
370	1	0.08	35	2.92	426	1	0.08	132	11.01	474	8	0.67	336	28.02
371	1	0.08	36	3.00	427	2	0.17	134	11.18	475	11	0.92	347	28.94
372	1	0.08	37	3.09	428	4	0.33	138	11.51	476	4	0.33	351	29.27
374	2	0.17	39	3.25	429	2	0.17	140	11.68	477	6	0.50	357	29.77
375	2	0.17	41	3.42	430	2	0.17	142	11.84	478	2	0.17	359	29.94
377	1	0.08	42	3.50	431	1	0.08	143	11.93	479	6	0.50	365	30.44
378	1	0.08	43	3.59	432	3	0.25	146	12.18	480	5	0.42	370	30.86
381	3	0.25	46	3.84	434	5	0.42	151	12.59	481	3	0.25	373	31.11
382	1	0.08	47	3.92	435	3	0.25	154	12.84	482	7	0.58	380	31.69
383	1	0.08	48	4.00	436	3	0.25	157	13.09	483	11	0.92	391	32.61
384	2	0.17	50	4.17	437	3	0.25	160	13.34	484	7	0.58	398	33.19
387	1	0.08	51	4.25	438	2	0.17	162	13.51	485	4	0.33	402	33.53
388	3	0.25	54	4.50	439	5	0.42	167	13.93	486	8	0.67	410	34.20
389	1	0.08	55	4.59	440	4	0.33	171	14.26	487	7	0.58	417	34.78
390	1	0.08	56	4.67	441	6	0.50	177	14.76	488	11	0.92	428	35.70
391	1	0.08	57	4.75	442	3	0.25	180	15.01	489	7	0.58	435	36.28
392	1	0.08	58	4.84	443	6	0.50	186	15.51	490	10	0.83	445	37.11
393	1	0.08	59	4.92	444	4	0.33	190	15.85	491	9	0.75	454	37.86
394	1	0.08	60	5.00	445	4	0.33	194	16.18	492	4	0.33	458	38.20
395	4	0.33	64	5.34	446	7	0.58	201	16.76	493	11	0.92	469	39.12

Table 162. Scale Score Distribution, Writing Grade 3 (Spanish) (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
494	10	0.83	479	39.95	541	6	0.50	792	66.06	588	4	0.33	1038	86.57
495	14	1.17	493	41.12	542	4	0.33	796	66.39	589	4	0.33	1042	86.91
496	13	1.08	506	42.20	543	4	0.33	800	66.72	590	2	0.17	1044	87.07
497	1	0.08	507	42.29	544	7	0.58	807	67.31	591	3	0.25	1047	87.32
498	8	0.67	515	42.95	545	9	0.75	816	68.06	592	4	0.33	1051	87.66
499	9	0.75	524	43.70	546	6	0.50	822	68.56	593	7	0.58	1058	88.24
500	6	0.50	530	44.20	547	8	0.67	830	69.22	594	9	0.75	1067	88.99
501	7	0.58	537	44.79	548	6	0.50	836	69.72	595	5	0.42	1072	89.41
502	4	0.33	541	45.12	549	2	0.17	838	69.89	596	10	0.83	1082	90.24
503	12	1.00	553	46.12	550	6	0.50	844	70.39	597	6	0.50	1088	90.74
504	11	0.92	564	47.04	551	2	0.17	846	70.56	598	2	0.17	1090	90.91
505	6	0.50	570	47.54	552	6	0.50	852	71.06	599	2	0.17	1092	91.08
506	3	0.25	573	47.79	553	4	0.33	856	71.39	600	1	0.08	1093	91.16
507	5	0.42	578	48.21	554	8	0.67	864	72.06	601	2	0.17	1095	91.33
508	9	0.75	587	48.96	555	6	0.50	870	72.56	602	2	0.17	1097	91.49
509	2	0.17	589	49.12	556	5	0.42	875	72.98	604	1	0.08	1098	91.58
510	8	0.67	597	49.79	557	9	0.75	884	73.73	605	2	0.17	1100	91.74
511	7	0.58	604	50.38	558	9	0.75	893	74.48	606	3	0.25	1103	91.99
512	10	0.83	614	51.21	559	8	0.67	901	75.15	607	3	0.25	1106	92.24
513	5	0.42	619	51.63	560	7	0.58	908	75.73	608	3	0.25	1109	92.49
514	9	0.75	628	52.38	561	3	0.25	911	75.98	609	2	0.17	1111	92.66
515	7	0.58	635	52.96	562	6	0.50	917	76.48	610	2	0.17	1113	92.83
516	7	0.58	642	53.54	563	5	0.42	922	76.90	611	1	0.08	1114	92.91
517	5	0.42	647	53.96	564	4	0.33	926	77.23	612	2	0.17	1116	93.08
518	8	0.67	655	54.63	565	5	0.42	931	77.65	613	3	0.25	1119	93.33
519	2	0.17	657	54.80	566	6	0.50	937	78.15	614	3	0.25	1122	93.58
520	7	0.58	664	55.38	567	3	0.25	940	78.40	615	3	0.25	1125	93.83
521	7	0.58	671	55.96	568	4	0.33	944	78.73	616	2	0.17	1127	93.99
522	7	0.58	678	56.55	569	7	0.58	951	79.32	617	2	0.17	1129	94.16
523	7	0.58	685	57.13	570	6	0.50	957	79.82	618	2	0.17	1131	94.33
524	9	0.75	694	57.88	571	4	0.33	961	80.15	619	1	0.08	1132	94.41
525	5	0.42	699	58.30	572	7	0.58	968	80.73	620	1	0.08	1133	94.50
526	3	0.25	702	58.55	573	8	0.67	976	81.40	622	2	0.17	1135	94.66
527	5	0.42	707	58.97	574	6	0.50	982	81.90	623	3	0.25	1138	94.91
528	7	0.58	714	59.55	575	5	0.42	987	82.32	625	2	0.17	1140	95.08
529	7	0.58	721	60.13	576	6	0.50	993	82.82	628	1	0.08	1141	95.16
530	2	0.17	723	60.30	577	5	0.42	998	83.24	629	3	0.25	1144	95.41
531	6	0.50	729	60.80	578	4	0.33	1002	83.57	630	5	0.42	1149	95.83
532	6	0.50	735	61.30	579	3	0.25	1005	83.82	632	1	0.08	1150	95.91
533	9	0.75	744	62.05	580	6	0.50	1011	84.32	634	2	0.17	1152	96.08
534	11	0.92	755	62.97	581	4	0.33	1015	84.65	636	1	0.08	1153	96.16
535	3	0.25	758	63.22	582	3	0.25	1018	84.90	637	1	0.08	1154	96.25
536	5	0.42	763	63.64	583	1	0.08	1019	84.99	638	2	0.17	1156	96.41
537	7	0.58	770	64.22	584	4	0.33	1023	85.32	639	1	0.08	1157	96.50
538	4	0.33	774	64.55	585	6	0.50	1029	85.82	640	1	0.08	1158	96.58
539	8	0.67	782	65.22	586	1	0.08	1030	85.90	642	1	0.08	1159	96.66
540	4	0.33	786	65.55	587	4	0.33	1034	86.24	644	3	0.25	1162	96.91

Table 162. Scale Score Distribution, Writing Grade 3 (Spanish) (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %
645	1	0.08	1163	97.00
646	2	0.17	1165	97.16
647	2	0.17	1167	97.33
649	2	0.17	1169	97.50
650	2	0.17	1171	97.66
651	1	0.08	1172	97.75
652	2	0.17	1174	97.91
653	2	0.17	1176	98.08
654	1	0.08	1177	98.17
662	1	0.08	1178	98.25
663	1	0.08	1179	98.33
664	1	0.08	1180	98.42
667	1	0.08	1181	98.50
673	2	0.17	1183	98.67
674	2	0.17	1185	98.83
675	1	0.08	1186	98.92
676	1	0.08	1187	99.00
680	1	0.08	1188	99.08
689	1	0.08	1189	99.17
701	2	0.17	1191	99.33
711	1	0.08	1192	99.42
712	1	0.08	1193	99.50
713	2	0.17	1195	99.67
714	1	0.08	1196	99.75
718	1	0.08	1197	99.83
750	2	0.17	1199	100.00

Table 163. Scale Score Distribution, Mathematics Grade 3

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
150	230	0.36	230	0.36	198	6	0.01	422	0.65	245	17	0.03	917	1.42
151	4	0.01	234	0.36	199	6	0.01	428	0.66	246	21	0.03	938	1.46
152	5	0.01	239	0.37	200	9	0.01	437	0.68	247	16	0.02	954	1.48
153	1	0.00	240	0.37	201	7	0.01	444	0.69	248	21	0.03	975	1.51
154	2	0.00	242	0.38	202	7	0.01	451	0.70	249	12	0.02	987	1.53
155	4	0.01	246	0.38	203	3	0.00	454	0.70	250	22	0.03	1009	1.57
156	3	0.00	249	0.39	204	5	0.01	459	0.71	251	19	0.03	1028	1.60
157	5	0.01	254	0.39	205	5	0.01	464	0.72	252	21	0.03	1049	1.63
158	1	0.00	255	0.40	206	8	0.01	472	0.73	253	14	0.02	1063	1.65
160	4	0.01	259	0.40	207	7	0.01	479	0.74	254	20	0.03	1083	1.68
161	4	0.01	263	0.41	208	6	0.01	485	0.75	255	15	0.02	1098	1.70
162	2	0.00	265	0.41	209	8	0.01	493	0.77	256	21	0.03	1119	1.74
163	4	0.01	269	0.42	210	7	0.01	500	0.78	257	23	0.04	1142	1.77
164	3	0.00	272	0.42	211	4	0.01	504	0.78	258	29	0.05	1171	1.82
165	2	0.00	274	0.43	212	8	0.01	512	0.79	259	33	0.05	1204	1.87
166	4	0.01	278	0.43	213	11	0.02	523	0.81	260	18	0.03	1222	1.90
167	5	0.01	283	0.44	214	18	0.03	541	0.84	261	25	0.04	1247	1.94
168	7	0.01	290	0.45	215	10	0.02	551	0.86	262	25	0.04	1272	1.97
169	2	0.00	292	0.45	216	7	0.01	558	0.87	263	27	0.04	1299	2.02
170	5	0.01	297	0.46	217	7	0.01	565	0.88	264	27	0.04	1326	2.06
171	2	0.00	299	0.46	218	10	0.02	575	0.89	265	31	0.05	1357	2.11
172	1	0.00	300	0.47	219	9	0.01	584	0.91	266	40	0.06	1397	2.17
173	5	0.01	305	0.47	220	16	0.02	600	0.93	267	21	0.03	1418	2.20
174	4	0.01	309	0.48	221	6	0.01	606	0.94	268	33	0.05	1451	2.25
175	2	0.00	311	0.48	222	6	0.01	612	0.95	269	24	0.04	1475	2.29
176	4	0.01	315	0.49	223	15	0.02	627	0.97	270	35	0.05	1510	2.34
177	8	0.01	323	0.50	224	4	0.01	631	0.98	271	38	0.06	1548	2.40
178	5	0.01	328	0.51	225	11	0.02	642	1.00	272	26	0.04	1574	2.44
179	2	0.00	330	0.51	226	11	0.02	653	1.01	273	53	0.08	1627	2.53
180	6	0.01	336	0.52	227	13	0.02	666	1.03	274	26	0.04	1653	2.57
181	6	0.01	342	0.53	228	8	0.01	674	1.05	275	37	0.06	1690	2.62
182	4	0.01	346	0.54	229	16	0.02	690	1.07	276	31	0.05	1721	2.67
183	2	0.00	348	0.54	230	10	0.02	700	1.09	277	38	0.06	1759	2.73
184	5	0.01	353	0.55	231	17	0.03	717	1.11	278	38	0.06	1797	2.79
185	2	0.00	355	0.55	232	15	0.02	732	1.14	279	37	0.06	1834	2.85
186	2	0.00	357	0.55	233	15	0.02	747	1.16	280	47	0.07	1881	2.92
187	1	0.00	358	0.56	234	10	0.02	757	1.17	281	36	0.06	1917	2.98
188	6	0.01	364	0.56	235	15	0.02	772	1.20	282	39	0.06	1956	3.04
189	9	0.01	373	0.58	236	20	0.03	792	1.23	283	44	0.07	2000	3.10
190	5	0.01	378	0.59	237	13	0.02	805	1.25	284	28	0.04	2028	3.15
191	6	0.01	384	0.60	238	14	0.02	819	1.27	285	34	0.05	2062	3.20
192	9	0.01	393	0.61	239	10	0.02	829	1.29	286	37	0.06	2099	3.26
193	4	0.01	397	0.62	240	10	0.02	839	1.30	287	38	0.06	2137	3.32
194	2	0.00	399	0.62	241	7	0.01	846	1.31	288	44	0.07	2181	3.39
195	3	0.00	402	0.62	242	16	0.02	862	1.34	289	50	0.08	2231	3.46
196	8	0.01	410	0.64	243	17	0.03	879	1.36	290	66	0.10	2297	3.57
197	6	0.01	416	0.65	244	21	0.03	900	1.40	291	44	0.07	2341	3.63

Table 163. Scale Score Distribution, Mathematics Grade 3 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
292	36	0.06	2377	3.69	339	86	0.13	5574	8.65	386	194	0.30	12017	18.65
293	43	0.07	2420	3.76	340	77	0.12	5651	8.77	387	184	0.29	12201	18.94
294	60	0.09	2480	3.85	341	104	0.16	5755	8.93	388	163	0.25	12364	19.19
295	49	0.08	2529	3.93	342	99	0.15	5854	9.09	389	189	0.29	12553	19.48
296	55	0.09	2584	4.01	343	98	0.15	5952	9.24	390	176	0.27	12729	19.76
297	46	0.07	2630	4.08	344	118	0.18	6070	9.42	391	168	0.26	12897	20.02
298	54	0.08	2684	4.17	345	98	0.15	6168	9.57	392	197	0.31	13094	20.32
299	45	0.07	2729	4.24	346	103	0.16	6271	9.73	393	183	0.28	13277	20.61
300	54	0.08	2783	4.32	347	96	0.15	6367	9.88	394	179	0.28	13456	20.88
301	46	0.07	2829	4.39	348	109	0.17	6476	10.05	395	186	0.29	13642	21.17
302	46	0.07	2875	4.46	349	109	0.17	6585	10.22	396	177	0.27	13819	21.45
303	47	0.07	2922	4.54	350	99	0.15	6684	10.37	397	201	0.31	14020	21.76
304	53	0.08	2975	4.62	351	98	0.15	6782	10.53	398	180	0.28	14200	22.04
305	55	0.09	3030	4.70	352	95	0.15	6877	10.67	399	201	0.31	14401	22.35
306	64	0.10	3094	4.80	353	117	0.18	6994	10.86	400	174	0.27	14575	22.62
307	49	0.08	3143	4.88	354	125	0.19	7119	11.05	401	198	0.31	14773	22.93
308	84	0.13	3227	5.01	355	118	0.18	7237	11.23	402	190	0.29	14963	23.22
309	70	0.11	3297	5.12	356	139	0.22	7376	11.45	403	209	0.32	15172	23.55
310	56	0.09	3353	5.20	357	122	0.19	7498	11.64	404	244	0.38	15416	23.93
311	61	0.09	3414	5.30	358	135	0.21	7633	11.85	405	200	0.31	15616	24.24
312	64	0.10	3478	5.40	359	128	0.20	7761	12.05	406	208	0.32	15824	24.56
313	70	0.11	3548	5.51	360	113	0.18	7874	12.22	407	214	0.33	16038	24.89
314	57	0.09	3605	5.60	361	148	0.23	8022	12.45	408	219	0.34	16257	25.23
315	71	0.11	3676	5.71	362	140	0.22	8162	12.67	409	200	0.31	16457	25.54
316	70	0.11	3746	5.81	363	161	0.25	8323	12.92	410	234	0.36	16691	25.91
317	67	0.10	3813	5.92	364	124	0.19	8447	13.11	411	238	0.37	16929	26.28
318	76	0.12	3889	6.04	365	140	0.22	8587	13.33	412	230	0.36	17159	26.63
319	60	0.09	3949	6.13	366	149	0.23	8736	13.56	413	232	0.36	17391	26.99
320	67	0.10	4016	6.23	367	152	0.24	8888	13.79	414	232	0.36	17623	27.35
321	70	0.11	4086	6.34	368	137	0.21	9025	14.01	415	225	0.35	17848	27.70
322	89	0.14	4175	6.48	369	153	0.24	9178	14.24	416	239	0.37	18087	28.07
323	64	0.10	4239	6.58	370	137	0.21	9315	14.46	417	236	0.37	18323	28.44
324	75	0.12	4314	6.70	371	158	0.25	9473	14.70	418	255	0.40	18578	28.83
325	92	0.14	4406	6.84	372	175	0.27	9648	14.97	419	246	0.38	18824	29.22
326	67	0.10	4473	6.94	373	182	0.28	9830	15.26	420	265	0.41	19089	29.63
327	85	0.13	4558	7.07	374	150	0.23	9980	15.49	421	242	0.38	19331	30.00
328	67	0.10	4625	7.18	375	165	0.26	10145	15.75	422	252	0.39	19583	30.39
329	87	0.14	4712	7.31	376	180	0.28	10325	16.03	423	242	0.38	19825	30.77
330	85	0.13	4797	7.45	377	154	0.24	10479	16.26	424	237	0.37	20062	31.14
331	74	0.11	4871	7.56	378	157	0.24	10636	16.51	425	221	0.34	20283	31.48
332	64	0.10	4935	7.66	379	178	0.28	10814	16.78	426	251	0.39	20534	31.87
333	78	0.12	5013	7.78	380	155	0.24	10969	17.02	427	280	0.43	20814	32.30
334	79	0.12	5092	7.90	381	181	0.28	11150	17.31	428	282	0.44	21096	32.74
335	106	0.16	5198	8.07	382	182	0.28	11332	17.59	429	228	0.35	21324	33.10
336	88	0.14	5286	8.20	383	171	0.27	11503	17.85	430	246	0.38	21570	33.48
337	94	0.15	5380	8.35	384	150	0.23	11653	18.09	431	281	0.44	21851	33.91
338	108	0.17	5488	8.52	385	170	0.26	11823	18.35	432	273	0.42	22124	34.34

Table 163. Scale Score Distribution, Mathematics Grade 3 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
433	276	0.43	22400	34.77	480	340	0.53	36099	56.03	527	254	0.39	49349	76.59
434	266	0.41	22666	35.18	481	340	0.53	36439	56.56	528	236	0.37	49585	76.96
435	274	0.43	22940	35.60	482	284	0.44	36723	57.00	529	228	0.35	49813	77.31
436	259	0.40	23199	36.01	483	318	0.49	37041	57.49	530	231	0.36	50044	77.67
437	277	0.43	23476	36.44	484	300	0.47	37341	57.96	531	263	0.41	50307	78.08
438	266	0.41	23742	36.85	485	313	0.49	37654	58.44	532	218	0.34	50525	78.42
439	270	0.42	24012	37.27	486	294	0.46	37948	58.90	533	220	0.34	50745	78.76
440	272	0.42	24284	37.69	487	300	0.47	38248	59.36	534	222	0.34	50967	79.10
441	284	0.44	24568	38.13	488	330	0.51	38578	59.88	535	226	0.35	51193	79.46
442	252	0.39	24820	38.52	489	298	0.46	38876	60.34	536	195	0.30	51388	79.76
443	234	0.36	25054	38.89	490	313	0.49	39189	60.82	537	238	0.37	51626	80.13
444	300	0.47	25354	39.35	491	294	0.46	39483	61.28	538	227	0.35	51853	80.48
445	276	0.43	25630	39.78	492	281	0.44	39764	61.72	539	245	0.38	52098	80.86
446	295	0.46	25925	40.24	493	320	0.50	40084	62.21	540	196	0.30	52294	81.16
447	271	0.42	26196	40.66	494	303	0.47	40387	62.68	541	201	0.31	52495	81.48
448	287	0.45	26483	41.10	495	304	0.47	40691	63.16	542	221	0.34	52716	81.82
449	281	0.44	26764	41.54	496	303	0.47	40994	63.63	543	228	0.35	52944	82.17
450	270	0.42	27034	41.96	497	297	0.46	41291	64.09	544	192	0.30	53136	82.47
451	309	0.48	27343	42.44	498	278	0.43	41569	64.52	545	214	0.33	53350	82.80
452	285	0.44	27628	42.88	499	290	0.45	41859	64.97	546	217	0.34	53567	83.14
453	305	0.47	27933	43.35	500	286	0.44	42145	65.41	547	188	0.29	53755	83.43
454	282	0.44	28215	43.79	501	292	0.45	42437	65.87	548	174	0.27	53929	83.70
455	288	0.45	28503	44.24	502	289	0.45	42726	66.31	549	195	0.30	54124	84.00
456	308	0.48	28811	44.72	503	280	0.43	43006	66.75	550	193	0.30	54317	84.30
457	285	0.44	29096	45.16	504	264	0.41	43270	67.16	551	202	0.31	54519	84.62
458	286	0.44	29382	45.60	505	265	0.41	43535	67.57	552	188	0.29	54707	84.91
459	280	0.43	29662	46.04	506	264	0.41	43799	67.98	553	172	0.27	54879	85.18
460	290	0.45	29952	46.49	507	283	0.44	44082	68.42	554	187	0.29	55066	85.47
461	302	0.47	30254	46.96	508	268	0.42	44350	68.83	555	173	0.27	55239	85.73
462	287	0.45	30541	47.40	509	278	0.43	44628	69.27	556	193	0.30	55432	86.03
463	297	0.46	30838	47.86	510	312	0.48	44940	69.75	557	160	0.25	55592	86.28
464	280	0.43	31118	48.30	511	265	0.41	45205	70.16	558	188	0.29	55780	86.57
465	324	0.50	31442	48.80	512	274	0.43	45479	70.59	559	150	0.23	55930	86.81
466	280	0.43	31722	49.23	513	273	0.42	45752	71.01	560	162	0.25	56092	87.06
467	285	0.44	32007	49.68	514	261	0.41	46013	71.42	561	147	0.23	56239	87.29
468	324	0.50	32331	50.18	515	264	0.41	46277	71.83	562	173	0.27	56412	87.56
469	313	0.49	32644	50.67	516	274	0.43	46551	72.25	563	154	0.24	56566	87.79
470	295	0.46	32939	51.12	517	270	0.42	46821	72.67	564	160	0.25	56726	88.04
471	331	0.51	33270	51.64	518	268	0.42	47089	73.09	565	161	0.25	56887	88.29
472	319	0.50	33589	52.13	519	265	0.41	47354	73.50	566	143	0.22	57030	88.51
473	329	0.51	33918	52.64	520	228	0.35	47582	73.85	567	155	0.24	57185	88.76
474	306	0.47	34224	53.12	521	260	0.40	47842	74.25	568	144	0.22	57329	88.98
475	313	0.49	34537	53.60	522	250	0.39	48092	74.64	569	128	0.20	57457	89.18
476	318	0.49	34855	54.10	523	276	0.43	48368	75.07	570	150	0.23	57607	89.41
477	279	0.43	35134	54.53	524	242	0.38	48610	75.45	571	120	0.19	57727	89.60
478	316	0.49	35450	55.02	525	250	0.39	48860	75.83	572	159	0.25	57886	89.84
479	309	0.48	35759	55.50	526	235	0.36	49095	76.20	573	136	0.21	58022	90.05

Table 163. Scale Score Distribution, Mathematics Grade 3 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
574	121	0.19	58143	90.24	621	63	0.10	62130	96.43	681	19	0.03	63791	99.01
575	122	0.19	58265	90.43	622	11	0.02	62141	96.45	683	59	0.09	63850	99.10
576	125	0.19	58390	90.63	623	74	0.11	62215	96.56	686	32	0.05	63882	99.15
577	117	0.18	58507	90.81	624	94	0.15	62309	96.71	687	34	0.05	63916	99.20
578	136	0.21	58643	91.02	625	26	0.04	62335	96.75	691	49	0.08	63965	99.28
579	123	0.19	58766	91.21	626	59	0.09	62394	96.84	693	14	0.02	63979	99.30
580	106	0.16	58872	91.37	627	56	0.09	62450	96.93	699	17	0.03	63996	99.33
581	95	0.15	58967	91.52	628	54	0.08	62504	97.01	700	434	0.67	64430	100.00
582	101	0.16	59068	91.68	629	47	0.07	62551	97.08					
583	90	0.14	59158	91.82	630	43	0.07	62594	97.15					
584	102	0.16	59260	91.98	631	25	0.04	62619	97.19					
585	105	0.16	59365	92.14	632	27	0.04	62646	97.23					
586	154	0.24	59519	92.38	633	45	0.07	62691	97.30					
587	88	0.14	59607	92.51	634	11	0.02	62702	97.32					
588	135	0.21	59742	92.72	635	27	0.04	62729	97.36					
589	82	0.13	59824	92.85	636	13	0.02	62742	97.38					
590	141	0.22	59965	93.07	637	59	0.09	62801	97.47					
591	94	0.15	60059	93.22	638	4	0.01	62805	97.48					
592	125	0.19	60184	93.41	639	37	0.06	62842	97.54					
593	74	0.11	60258	93.52	640	27	0.04	62869	97.58					
594	105	0.16	60363	93.69	641	38	0.06	62907	97.64					
595	67	0.10	60430	93.79	642	35	0.05	62942	97.69					
596	87	0.14	60517	93.93	643	5	0.01	62947	97.70					
597	95	0.15	60612	94.07	644	28	0.04	62975	97.74					
598	63	0.10	60675	94.17	645	7	0.01	62982	97.75					
599	97	0.15	60772	94.32	646	12	0.02	62994	97.77					
600	94	0.15	60866	94.47	647	3	0.00	62997	97.78					
601	75	0.12	60941	94.58	648	170	0.26	63167	98.04					
602	82	0.13	61023	94.71	649	7	0.01	63174	98.05					
603	51	0.08	61074	94.79	650	6	0.01	63180	98.06					
604	89	0.14	61163	94.93	652	25	0.04	63205	98.10					
605	63	0.10	61226	95.03	653	14	0.02	63219	98.12					
606	60	0.09	61286	95.12	657	7	0.01	63226	98.13					
607	44	0.07	61330	95.19	659	140	0.22	63366	98.35					
608	40	0.06	61370	95.25	660	2	0.00	63368	98.35					
609	105	0.16	61475	95.41	662	12	0.02	63380	98.37					
610	29	0.05	61504	95.46	663	36	0.06	63416	98.43					
611	58	0.09	61562	95.55	664	29	0.05	63445	98.47					
612	65	0.10	61627	95.65	666	37	0.06	63482	98.53					
613	35	0.05	61662	95.70	667	4	0.01	63486	98.53					
614	38	0.06	61700	95.76	669	3	0.00	63489	98.54					
615	47	0.07	61747	95.84	670	33	0.05	63522	98.59					
616	30	0.05	61777	95.88	671	13	0.02	63535	98.61					
617	76	0.12	61853	96.00	674	1	0.00	63536	98.61					
618	136	0.21	61989	96.21	675	30	0.05	63566	98.66					
619	28	0.04	62017	96.25	677	179	0.28	63745	98.94					
620	50	0.08	62067	96.33	678	27	0.04	63772	98.98					

Table 164. Scale Score Distribution, Reading Grade 4

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
180	309	0.49	309	0.49	346	6	0.01	385	0.61	393	8	0.01	619	0.98
213	1	0.00	310	0.49	347	5	0.01	390	0.62	394	12	0.02	631	1.00
217	1	0.00	311	0.49	348	3	0.00	393	0.62	395	10	0.02	641	1.02
240	1	0.00	312	0.50	349	4	0.01	397	0.63	396	11	0.02	652	1.04
277	1	0.00	313	0.50	350	5	0.01	402	0.64	397	7	0.01	659	1.05
284	1	0.00	314	0.50	351	3	0.00	405	0.64	398	13	0.02	672	1.07
288	1	0.00	315	0.50	352	2	0.00	407	0.65	399	15	0.02	687	1.09
289	2	0.00	317	0.50	353	3	0.00	410	0.65	400	15	0.02	702	1.12
291	1	0.00	318	0.51	354	3	0.00	413	0.66	401	9	0.01	711	1.13
294	1	0.00	319	0.51	355	6	0.01	419	0.67	402	14	0.02	725	1.15
296	1	0.00	320	0.51	356	6	0.01	425	0.68	403	12	0.02	737	1.17
297	1	0.00	321	0.51	357	3	0.00	428	0.68	404	14	0.02	751	1.19
298	1	0.00	322	0.51	358	3	0.00	431	0.69	405	15	0.02	766	1.22
302	1	0.00	323	0.51	359	2	0.00	433	0.69	406	14	0.02	780	1.24
307	2	0.00	325	0.52	360	1	0.00	434	0.69	407	8	0.01	788	1.25
309	1	0.00	326	0.52	361	9	0.01	443	0.70	408	16	0.03	804	1.28
310	1	0.00	327	0.52	362	7	0.01	450	0.72	409	13	0.02	817	1.30
311	2	0.00	329	0.52	363	2	0.00	452	0.72	410	12	0.02	829	1.32
313	1	0.00	330	0.52	364	5	0.01	457	0.73	411	13	0.02	842	1.34
314	1	0.00	331	0.53	365	2	0.00	459	0.73	412	15	0.02	857	1.36
315	1	0.00	332	0.53	366	4	0.01	463	0.74	413	11	0.02	868	1.38
316	2	0.00	334	0.53	367	6	0.01	469	0.75	414	19	0.03	887	1.41
317	1	0.00	335	0.53	368	5	0.01	474	0.75	415	11	0.02	898	1.43
318	2	0.00	337	0.54	369	4	0.01	478	0.76	416	18	0.03	916	1.46
319	3	0.00	340	0.54	370	5	0.01	483	0.77	417	16	0.03	932	1.48
321	1	0.00	341	0.54	371	4	0.01	487	0.77	418	21	0.03	953	1.51
322	1	0.00	342	0.54	372	3	0.00	490	0.78	419	15	0.02	968	1.54
323	2	0.00	344	0.55	373	5	0.01	495	0.79	420	14	0.02	982	1.56
324	2	0.00	346	0.55	374	4	0.01	499	0.79	421	20	0.03	1002	1.59
325	1	0.00	347	0.55	375	2	0.00	501	0.80	422	13	0.02	1015	1.61
326	3	0.00	350	0.56	376	6	0.01	507	0.81	423	14	0.02	1029	1.64
327	2	0.00	352	0.56	377	6	0.01	513	0.82	424	19	0.03	1048	1.67
328	3	0.00	355	0.56	378	5	0.01	518	0.82	425	21	0.03	1069	1.70
329	1	0.00	356	0.57	379	7	0.01	525	0.83	426	9	0.01	1078	1.71
330	3	0.00	359	0.57	380	2	0.00	527	0.84	427	25	0.04	1103	1.75
331	2	0.00	361	0.57	381	9	0.01	536	0.85	428	24	0.04	1127	1.79
334	1	0.00	362	0.58	382	6	0.01	542	0.86	429	23	0.04	1150	1.83
335	1	0.00	363	0.58	383	6	0.01	548	0.87	430	16	0.03	1166	1.85
336	1	0.00	364	0.58	384	3	0.00	551	0.88	431	19	0.03	1185	1.88
337	2	0.00	366	0.58	385	2	0.00	553	0.88	432	21	0.03	1206	1.92
338	1	0.00	367	0.58	386	8	0.01	561	0.89	433	32	0.05	1238	1.97
339	1	0.00	368	0.58	387	11	0.02	572	0.91	434	23	0.04	1261	2.00
341	1	0.00	369	0.59	388	11	0.02	583	0.93	435	27	0.04	1288	2.05
342	2	0.00	371	0.59	389	11	0.02	594	0.94	436	31	0.05	1319	2.10
343	2	0.00	373	0.59	390	4	0.01	598	0.95	437	29	0.05	1348	2.14
344	5	0.01	378	0.60	391	8	0.01	606	0.96	438	37	0.06	1385	2.20
345	1	0.00	379	0.60	392	5	0.01	611	0.97	439	30	0.05	1415	2.25

Table 164. Scale Score Distribution, Reading Grade 4 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
440	32	0.05	1447	2.30	487	75	0.12	3711	5.90	534	200	0.32	9743	15.49
441	49	0.08	1496	2.38	488	66	0.10	3777	6.00	535	223	0.35	9966	15.84
442	28	0.04	1524	2.42	489	73	0.12	3850	6.12	536	200	0.32	10166	16.16
443	37	0.06	1561	2.48	490	87	0.14	3937	6.26	537	206	0.33	10372	16.48
444	38	0.06	1599	2.54	491	70	0.11	4007	6.37	538	220	0.35	10592	16.83
445	26	0.04	1625	2.58	492	102	0.16	4109	6.53	539	228	0.36	10820	17.20
446	38	0.06	1663	2.64	493	77	0.12	4186	6.65	540	237	0.38	11057	17.57
447	38	0.06	1701	2.70	494	82	0.13	4268	6.78	541	236	0.38	11293	17.95
448	35	0.06	1736	2.76	495	78	0.12	4346	6.91	542	243	0.39	11536	18.33
449	33	0.05	1769	2.81	496	89	0.14	4435	7.05	543	255	0.41	11791	18.74
450	33	0.05	1802	2.86	497	87	0.14	4522	7.19	544	234	0.37	12025	19.11
451	17	0.03	1819	2.89	498	72	0.11	4594	7.30	545	261	0.41	12286	19.53
452	32	0.05	1851	2.94	499	107	0.17	4701	7.47	546	271	0.43	12557	19.96
453	43	0.07	1894	3.01	500	85	0.14	4786	7.61	547	247	0.39	12804	20.35
454	43	0.07	1937	3.08	501	88	0.14	4874	7.75	548	264	0.42	13068	20.77
455	41	0.07	1978	3.14	502	105	0.17	4979	7.91	549	263	0.42	13331	21.19
456	40	0.06	2018	3.21	503	96	0.15	5075	8.07	550	260	0.41	13591	21.60
457	30	0.05	2048	3.26	504	103	0.16	5178	8.23	551	254	0.40	13845	22.00
458	37	0.06	2085	3.31	505	113	0.18	5291	8.41	552	295	0.47	14140	22.47
459	40	0.06	2125	3.38	506	114	0.18	5405	8.59	553	298	0.47	14438	22.95
460	48	0.08	2173	3.45	507	119	0.19	5524	8.78	554	307	0.49	14745	23.44
461	51	0.08	2224	3.53	508	105	0.17	5629	8.95	555	278	0.44	15023	23.88
462	40	0.06	2264	3.60	509	113	0.18	5742	9.13	556	302	0.48	15325	24.36
463	57	0.09	2321	3.69	510	134	0.21	5876	9.34	557	315	0.50	15640	24.86
464	57	0.09	2378	3.78	511	106	0.17	5982	9.51	558	314	0.50	15954	25.36
465	44	0.07	2422	3.85	512	123	0.20	6105	9.70	559	302	0.48	16256	25.84
466	41	0.07	2463	3.91	513	138	0.22	6243	9.92	560	290	0.46	16546	26.30
467	42	0.07	2505	3.98	514	112	0.18	6355	10.10	561	350	0.56	16896	26.85
468	53	0.08	2558	4.07	515	127	0.20	6482	10.30	562	334	0.53	17230	27.38
469	51	0.08	2609	4.15	516	168	0.27	6650	10.57	563	362	0.58	17592	27.96
470	40	0.06	2649	4.21	517	130	0.21	6780	10.78	564	353	0.56	17945	28.52
471	52	0.08	2701	4.29	518	149	0.24	6929	11.01	565	365	0.58	18310	29.10
472	55	0.09	2756	4.38	519	155	0.25	7084	11.26	566	371	0.59	18681	29.69
473	49	0.08	2805	4.46	520	152	0.24	7236	11.50	567	366	0.58	19047	30.27
474	58	0.09	2863	4.55	521	161	0.26	7397	11.76	568	379	0.60	19426	30.88
475	61	0.10	2924	4.65	522	149	0.24	7546	11.99	569	400	0.64	19826	31.51
476	49	0.08	2973	4.73	523	142	0.23	7688	12.22	570	408	0.65	20234	32.16
477	53	0.08	3026	4.81	524	197	0.31	7885	12.53	571	385	0.61	20619	32.77
478	61	0.10	3087	4.91	525	167	0.27	8052	12.80	572	429	0.68	21048	33.45
479	48	0.08	3135	4.98	526	164	0.26	8216	13.06	573	408	0.65	21456	34.10
480	60	0.10	3195	5.08	527	204	0.32	8420	13.38	574	412	0.65	21868	34.76
481	61	0.10	3256	5.17	528	181	0.29	8601	13.67	575	409	0.65	22277	35.41
482	70	0.11	3326	5.29	529	155	0.25	8756	13.92	576	451	0.72	22728	36.12
483	71	0.11	3397	5.40	530	208	0.33	8964	14.25	577	421	0.67	23149	36.79
484	71	0.11	3468	5.51	531	176	0.28	9140	14.53	578	392	0.62	23541	37.42
485	86	0.14	3554	5.65	532	180	0.29	9320	14.81	579	433	0.69	23974	38.10
486	82	0.13	3636	5.78	533	223	0.35	9543	15.17	580	479	0.76	24453	38.86

Table 164. Scale Score Distribution, Reading Grade 4 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
581	399	0.63	24852	39.50	628	428	0.68	48040	76.35	675	133	0.21	60790	96.62
582	445	0.71	25297	40.21	629	423	0.67	48463	77.03	676	118	0.19	60908	96.81
583	470	0.75	25767	40.95	630	455	0.72	48918	77.75	677	110	0.17	61018	96.98
584	486	0.77	26253	41.73	631	445	0.71	49363	78.46	678	87	0.14	61105	97.12
585	509	0.81	26762	42.53	632	427	0.68	49790	79.13	679	99	0.16	61204	97.28
586	471	0.75	27233	43.28	633	425	0.68	50215	79.81	680	95	0.15	61299	97.43
587	474	0.75	27707	44.04	634	396	0.63	50611	80.44	681	89	0.14	61388	97.57
588	506	0.80	28213	44.84	635	375	0.60	50986	81.04	682	55	0.09	61443	97.66
589	491	0.78	28704	45.62	636	388	0.62	51374	81.65	683	80	0.13	61523	97.78
590	506	0.80	29210	46.43	637	409	0.65	51783	82.30	684	64	0.10	61587	97.88
591	454	0.72	29664	47.15	638	386	0.61	52169	82.92	685	78	0.12	61665	98.01
592	485	0.77	30149	47.92	639	409	0.65	52578	83.57	686	61	0.10	61726	98.11
593	496	0.79	30645	48.71	640	354	0.56	52932	84.13	687	62	0.10	61788	98.20
594	509	0.81	31154	49.52	641	348	0.55	53280	84.68	688	68	0.11	61856	98.31
595	528	0.84	31682	50.35	642	323	0.51	53603	85.20	689	64	0.10	61920	98.41
596	521	0.83	32203	51.18	643	340	0.54	53943	85.74	690	40	0.06	61960	98.48
597	541	0.86	32744	52.04	644	322	0.51	54265	86.25	691	55	0.09	62015	98.56
598	509	0.81	33253	52.85	645	344	0.55	54609	86.79	692	58	0.09	62073	98.66
599	475	0.75	33728	53.61	646	290	0.46	54899	87.25	693	52	0.08	62125	98.74
600	477	0.76	34205	54.36	647	288	0.46	55187	87.71	694	32	0.05	62157	98.79
601	507	0.81	34712	55.17	648	303	0.48	55490	88.19	695	44	0.07	62201	98.86
602	584	0.93	35296	56.10	649	277	0.44	55767	88.63	696	33	0.05	62234	98.91
603	517	0.82	35813	56.92	650	271	0.43	56038	89.07	697	30	0.05	62264	98.96
604	522	0.83	36335	57.75	651	291	0.46	56329	89.53	698	36	0.06	62300	99.02
605	508	0.81	36843	58.56	652	281	0.45	56610	89.97	699	36	0.06	62336	99.07
606	508	0.81	37351	59.36	653	253	0.40	56863	90.38	700	26	0.04	62362	99.12
607	516	0.82	37867	60.18	654	238	0.38	57101	90.75	701	31	0.05	62393	99.17
608	510	0.81	38377	61.00	655	235	0.37	57336	91.13	702	31	0.05	62424	99.21
609	511	0.81	38888	61.81	656	217	0.34	57553	91.47	703	34	0.05	62458	99.27
610	502	0.80	39390	62.61	657	240	0.38	57793	91.85	704	21	0.03	62479	99.30
611	522	0.83	39912	63.43	658	223	0.35	58016	92.21	705	22	0.03	62501	99.34
612	545	0.87	40457	64.30	659	203	0.32	58219	92.53	706	25	0.04	62526	99.38
613	496	0.79	40953	65.09	660	183	0.29	58402	92.82	707	17	0.03	62543	99.40
614	516	0.82	41469	65.91	661	204	0.32	58606	93.15	708	21	0.03	62564	99.44
615	495	0.79	41964	66.70	662	187	0.30	58793	93.44	709	20	0.03	62584	99.47
616	468	0.74	42432	67.44	663	202	0.32	58995	93.76	710	16	0.03	62600	99.49
617	464	0.74	42896	68.18	664	195	0.31	59190	94.07	711	23	0.04	62623	99.53
618	485	0.77	43381	68.95	665	161	0.26	59351	94.33	712	11	0.02	62634	99.55
619	467	0.74	43848	69.69	666	165	0.26	59516	94.59	713	16	0.03	62650	99.57
620	491	0.78	44339	70.47	667	164	0.26	59680	94.85	714	12	0.02	62662	99.59
621	524	0.83	44863	71.30	668	160	0.25	59840	95.11	715	14	0.02	62676	99.62
622	472	0.75	45335	72.05	669	140	0.22	59980	95.33	716	17	0.03	62693	99.64
623	450	0.72	45785	72.77	670	141	0.22	60121	95.55	717	9	0.01	62702	99.66
624	487	0.77	46272	73.54	671	135	0.21	60256	95.77	718	5	0.01	62707	99.66
625	452	0.72	46724	74.26	672	126	0.20	60382	95.97	719	16	0.03	62723	99.69
626	438	0.70	47162	74.96	673	138	0.22	60520	96.19	720	7	0.01	62730	99.70
627	450	0.72	47612	75.67	674	137	0.22	60657	96.41	721	9	0.01	62739	99.72

Table 164. Scale Score Distribution, Reading Grade 4 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
722	13	0.02	62752	99.74	841	1	0.00	62916	100.00
723	8	0.01	62760	99.75	889	1	0.00	62917	100.00
724	8	0.01	62768	99.76	940	1	0.00	62918	100.00
725	13	0.02	62781	99.78					
726	6	0.01	62787	99.79					
727	6	0.01	62793	99.80					
728	12	0.02	62805	99.82					
729	6	0.01	62811	99.83					
730	5	0.01	62816	99.84					
731	8	0.01	62824	99.85					
732	3	0.00	62827	99.86					
733	3	0.00	62830	99.86					
734	7	0.01	62837	99.87					
735	6	0.01	62843	99.88					
736	6	0.01	62849	99.89					
737	4	0.01	62853	99.90					
738	2	0.00	62855	99.90					
739	2	0.00	62857	99.90					
740	3	0.00	62860	99.91					
741	3	0.00	62863	99.91					
742	4	0.01	62867	99.92					
743	4	0.01	62871	99.93					
744	1	0.00	62872	99.93					
745	1	0.00	62873	99.93					
746	1	0.00	62874	99.93					
747	3	0.00	62877	99.93					
748	8	0.01	62885	99.95					
749	4	0.01	62889	99.95					
751	4	0.01	62893	99.96					
752	1	0.00	62894	99.96					
753	1	0.00	62895	99.96					
755	1	0.00	62896	99.97					
756	2	0.00	62898	99.97					
757	1	0.00	62899	99.97					
759	1	0.00	62900	99.97					
760	2	0.00	62902	99.97					
764	1	0.00	62903	99.98					
765	2	0.00	62905	99.98					
768	1	0.00	62906	99.98					
769	1	0.00	62907	99.98					
770	1	0.00	62908	99.98					
771	1	0.00	62909	99.99					
775	1	0.00	62910	99.99					
782	2	0.00	62912	99.99					
788	1	0.00	62913	99.99					
792	1	0.00	62914	99.99					
812	1	0.00	62915	100.00					

Table 165. Scale Score Distribution, Reading Grade 4 (Spanish)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
409	1	1.10	1	1.10	532	1	1.10	59	64.84
414	1	1.10	2	2.20	534	1	1.10	60	65.93
424	1	1.10	3	3.30	539	1	1.10	61	67.03
437	1	1.10	4	4.40	540	2	2.20	63	69.23
439	1	1.10	5	5.49	541	1	1.10	64	70.33
444	1	1.10	6	6.59	542	2	2.20	66	72.53
445	1	1.10	7	7.69	544	2	2.20	68	74.73
449	1	1.10	8	8.79	546	1	1.10	69	75.82
453	1	1.10	9	9.89	548	1	1.10	70	76.92
456	1	1.10	10	10.99	552	1	1.10	71	78.02
459	1	1.10	11	12.09	556	3	3.30	74	81.32
460	1	1.10	12	13.19	557	1	1.10	75	82.42
461	1	1.10	13	14.29	560	1	1.10	76	83.52
467	1	1.10	14	15.38	564	1	1.10	77	84.62
468	1	1.10	15	16.48	565	1	1.10	78	85.71
469	1	1.10	16	17.58	566	1	1.10	79	86.81
470	1	1.10	17	18.68	570	1	1.10	80	87.91
473	1	1.10	18	19.78	573	1	1.10	81	89.01
475	1	1.10	19	20.88	574	1	1.10	82	90.11
477	1	1.10	20	21.98	579	1	1.10	83	91.21
478	1	1.10	21	23.08	581	1	1.10	84	92.31
479	1	1.10	22	24.18	590	1	1.10	85	93.41
482	1	1.10	23	25.27	592	1	1.10	86	94.51
483	2	2.20	25	27.47	595	1	1.10	87	95.60
485	1	1.10	26	28.57	598	1	1.10	88	96.70
486	2	2.20	28	30.77	601	1	1.10	89	97.80
487	1	1.10	29	31.87	606	1	1.10	90	98.90
489	1	1.10	30	32.97	626	1	1.10	91	100.00
497	2	2.20	32	35.16					
498	2	2.20	34	37.36					
500	1	1.10	35	38.46					
501	1	1.10	36	39.56					
504	1	1.10	37	40.66					
506	2	2.20	39	42.86					
507	2	2.20	41	45.05					
510	1	1.10	42	46.15					
511	1	1.10	43	47.25					
513	1	1.10	44	48.35					
515	1	1.10	45	49.45					
517	1	1.10	46	50.55					
518	1	1.10	47	51.65					
520	1	1.10	48	52.75					
521	1	1.10	49	53.85					
523	1	1.10	50	54.95					
524	3	3.30	53	58.24					
529	2	2.20	55	60.44					
531	3	3.30	58	63.74					

Table 166. Scale Score Distribution, Writing Grade 4

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
190	20	0.03	20	0.03	304	4	0.01	107	0.17	353	18	0.03	467	0.74
218	1	0.00	21	0.03	305	3	0.00	110	0.17	354	18	0.03	485	0.77
228	2	0.00	23	0.04	306	2	0.00	112	0.18	355	21	0.03	506	0.80
229	2	0.00	25	0.04	308	1	0.00	113	0.18	356	26	0.04	532	0.85
234	1	0.00	26	0.04	309	3	0.00	116	0.18	357	18	0.03	550	0.87
236	2	0.00	28	0.04	310	1	0.00	117	0.19	358	22	0.03	572	0.91
238	1	0.00	29	0.05	312	3	0.00	120	0.19	359	25	0.04	597	0.95
242	1	0.00	30	0.05	313	4	0.01	124	0.20	360	34	0.05	631	1.00
244	1	0.00	31	0.05	314	5	0.01	129	0.21	361	15	0.02	646	1.03
246	1	0.00	32	0.05	315	2	0.00	131	0.21	362	20	0.03	666	1.06
251	2	0.00	34	0.05	316	3	0.00	134	0.21	363	23	0.04	689	1.10
252	1	0.00	35	0.06	317	3	0.00	137	0.22	364	24	0.04	713	1.13
256	3	0.00	38	0.06	318	6	0.01	143	0.23	365	25	0.04	738	1.17
257	1	0.00	39	0.06	319	4	0.01	147	0.23	366	27	0.04	765	1.22
258	1	0.00	40	0.06	320	4	0.01	151	0.24	367	30	0.05	795	1.26
260	1	0.00	41	0.07	321	3	0.00	154	0.24	368	38	0.06	833	1.32
263	2	0.00	43	0.07	322	6	0.01	160	0.25	369	41	0.07	874	1.39
264	2	0.00	45	0.07	323	5	0.01	165	0.26	370	39	0.06	913	1.45
265	1	0.00	46	0.07	324	2	0.00	167	0.27	371	29	0.05	942	1.50
266	1	0.00	47	0.07	325	5	0.01	172	0.27	372	55	0.09	997	1.59
269	1	0.00	48	0.08	326	4	0.01	176	0.28	373	34	0.05	1031	1.64
272	2	0.00	50	0.08	327	6	0.01	182	0.29	374	37	0.06	1068	1.70
273	1	0.00	51	0.08	328	9	0.01	191	0.30	375	41	0.07	1109	1.76
274	4	0.01	55	0.09	329	9	0.01	200	0.32	376	43	0.07	1152	1.83
276	1	0.00	56	0.09	330	5	0.01	205	0.33	377	48	0.08	1200	1.91
277	2	0.00	58	0.09	331	11	0.02	216	0.34	378	46	0.07	1246	1.98
279	4	0.01	62	0.10	332	9	0.01	225	0.36	379	45	0.07	1291	2.05
282	1	0.00	63	0.10	333	7	0.01	232	0.37	380	58	0.09	1349	2.15
283	1	0.00	64	0.10	334	9	0.01	241	0.38	381	59	0.09	1408	2.24
284	1	0.00	65	0.10	335	6	0.01	247	0.39	382	65	0.10	1473	2.34
285	2	0.00	67	0.11	336	7	0.01	254	0.40	383	55	0.09	1528	2.43
286	2	0.00	69	0.11	337	7	0.01	261	0.42	384	73	0.12	1601	2.55
287	1	0.00	70	0.11	338	11	0.02	272	0.43	385	66	0.10	1667	2.65
288	1	0.00	71	0.11	339	13	0.02	285	0.45	386	65	0.10	1732	2.75
289	1	0.00	72	0.11	340	11	0.02	296	0.47	387	63	0.10	1795	2.85
290	2	0.00	74	0.12	341	12	0.02	308	0.49	388	58	0.09	1853	2.95
291	2	0.00	76	0.12	342	8	0.01	316	0.50	389	81	0.13	1934	3.08
292	2	0.00	78	0.12	343	10	0.02	326	0.52	390	80	0.13	2014	3.20
293	3	0.00	81	0.13	344	8	0.01	334	0.53	391	85	0.14	2099	3.34
294	3	0.00	84	0.13	345	8	0.01	342	0.54	392	86	0.14	2185	3.47
295	2	0.00	86	0.14	346	15	0.02	357	0.57	393	80	0.13	2265	3.60
296	3	0.00	89	0.14	347	18	0.03	375	0.60	394	70	0.11	2335	3.71
297	6	0.01	95	0.15	348	9	0.01	384	0.61	395	88	0.14	2423	3.85
298	2	0.00	97	0.15	349	15	0.02	399	0.63	396	101	0.16	2524	4.01
300	1	0.00	98	0.16	350	18	0.03	417	0.66	397	87	0.14	2611	4.15
301	1	0.00	99	0.16	351	13	0.02	430	0.68	398	88	0.14	2699	4.29
303	4	0.01	103	0.16	352	19	0.03	449	0.71	399	102	0.16	2801	4.45

Table 166. Scale Score Distribution, Writing Grade 4 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
400	101	0.16	2902	4.61	447	388	0.62	13987	22.24	494	540	0.86	37111	59.01
401	124	0.20	3026	4.81	448	373	0.59	14360	22.83	495	533	0.85	37644	59.86
402	121	0.19	3147	5.00	449	411	0.65	14771	23.49	496	514	0.82	38158	60.68
403	125	0.20	3272	5.20	450	418	0.66	15189	24.15	497	522	0.83	38680	61.51
404	127	0.20	3399	5.40	451	391	0.62	15580	24.77	498	496	0.79	39176	62.29
405	126	0.20	3525	5.61	452	459	0.73	16039	25.50	499	544	0.87	39720	63.16
406	120	0.19	3645	5.80	453	410	0.65	16449	26.16	500	507	0.81	40227	63.97
407	145	0.23	3790	6.03	454	440	0.70	16889	26.86	501	529	0.84	40756	64.81
408	147	0.23	3937	6.26	455	437	0.69	17326	27.55	502	518	0.82	41274	65.63
409	147	0.23	4084	6.49	456	453	0.72	17779	28.27	503	501	0.80	41775	66.43
410	154	0.24	4238	6.74	457	394	0.63	18173	28.90	504	463	0.74	42238	67.16
411	175	0.28	4413	7.02	458	424	0.67	18597	29.57	505	475	0.76	42713	67.92
412	150	0.24	4563	7.26	459	450	0.72	19047	30.29	506	523	0.83	43236	68.75
413	180	0.29	4743	7.54	460	450	0.72	19497	31.00	507	499	0.79	43735	69.54
414	174	0.28	4917	7.82	461	444	0.71	19941	31.71	508	468	0.74	44203	70.29
415	161	0.26	5078	8.07	462	484	0.77	20425	32.48	509	446	0.71	44649	71.00
416	177	0.28	5255	8.36	463	486	0.77	20911	33.25	510	475	0.76	45124	71.75
417	144	0.23	5399	8.59	464	486	0.77	21397	34.02	511	456	0.73	45580	72.48
418	207	0.33	5606	8.91	465	496	0.79	21893	34.81	512	453	0.72	46033	73.20
419	226	0.36	5832	9.27	466	537	0.85	22430	35.67	513	412	0.66	46445	73.85
420	211	0.34	6043	9.61	467	458	0.73	22888	36.39	514	440	0.70	46885	74.55
421	218	0.35	6261	9.96	468	480	0.76	23368	37.16	515	402	0.64	47287	75.19
422	234	0.37	6495	10.33	469	516	0.82	23884	37.98	516	459	0.73	47746	75.92
423	227	0.36	6722	10.69	470	511	0.81	24395	38.79	517	421	0.67	48167	76.59
424	226	0.36	6948	11.05	471	482	0.77	24877	39.56	518	437	0.69	48604	77.29
425	244	0.39	7192	11.44	472	493	0.78	25370	40.34	519	394	0.63	48998	77.91
426	239	0.38	7431	11.82	473	522	0.83	25892	41.17	520	385	0.61	49383	78.53
427	235	0.37	7666	12.19	474	509	0.81	26401	41.98	521	377	0.60	49760	79.12
428	299	0.48	7965	12.67	475	522	0.83	26923	42.81	522	375	0.60	50135	79.72
429	265	0.42	8230	13.09	476	544	0.87	27467	43.68	523	400	0.64	50535	80.36
430	264	0.42	8494	13.51	477	554	0.88	28021	44.56	524	366	0.58	50901	80.94
431	270	0.43	8764	13.94	478	539	0.86	28560	45.41	525	319	0.51	51220	81.45
432	293	0.47	9057	14.40	479	495	0.79	29055	46.20	526	358	0.57	51578	82.02
433	283	0.45	9340	14.85	480	559	0.89	29614	47.09	527	340	0.54	51918	82.56
434	264	0.42	9604	15.27	481	557	0.89	30171	47.98	528	327	0.52	52245	83.08
435	308	0.49	9912	15.76	482	551	0.88	30722	48.85	529	303	0.48	52548	83.56
436	331	0.53	10243	16.29	483	520	0.83	31242	49.68	530	299	0.48	52847	84.03
437	310	0.49	10553	16.78	484	531	0.84	31773	50.52	531	320	0.51	53167	84.54
438	307	0.49	10860	17.27	485	594	0.94	32367	51.47	532	310	0.49	53477	85.04
439	321	0.51	11181	17.78	486	541	0.86	32908	52.33	533	325	0.52	53802	85.55
440	338	0.54	11519	18.32	487	512	0.81	33420	53.14	534	280	0.45	54082	86.00
441	323	0.51	11842	18.83	488	510	0.81	33930	53.95	535	306	0.49	54388	86.48
442	344	0.55	12186	19.38	489	528	0.84	34458	54.79	536	278	0.44	54666	86.93
443	353	0.56	12539	19.94	490	508	0.81	34966	55.60	537	287	0.46	54953	87.38
444	340	0.54	12879	20.48	491	531	0.84	35497	56.44	538	250	0.40	55203	87.78
445	356	0.57	13235	21.05	492	539	0.86	36036	57.30	539	257	0.41	55460	88.19
446	364	0.58	13599	21.62	493	535	0.85	36571	58.15	540	239	0.38	55699	88.57

Table 166. Scale Score Distribution, Writing Grade 4 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
541	243	0.39	55942	88.95	588	49	0.08	61638	98.01	635	11	0.02	62649	99.62
542	254	0.40	56196	89.36	589	49	0.08	61687	98.09	636	9	0.01	62658	99.63
543	236	0.38	56432	89.73	590	45	0.07	61732	98.16	637	13	0.02	62671	99.65
544	202	0.32	56634	90.06	591	46	0.07	61778	98.23	639	3	0.00	62674	99.66
545	209	0.33	56843	90.39	592	48	0.08	61826	98.31	640	2	0.00	62676	99.66
546	210	0.33	57053	90.72	593	26	0.04	61852	98.35	641	3	0.00	62679	99.67
547	212	0.34	57265	91.06	594	32	0.05	61884	98.40	642	17	0.03	62696	99.69
548	221	0.35	57486	91.41	595	27	0.04	61911	98.45	643	2	0.00	62698	99.70
549	180	0.29	57666	91.70	596	45	0.07	61956	98.52	644	28	0.04	62726	99.74
550	166	0.26	57832	91.96	597	31	0.05	61987	98.57	645	1	0.00	62727	99.74
551	203	0.32	58035	92.28	598	41	0.07	62028	98.63	646	2	0.00	62729	99.75
552	178	0.28	58213	92.57	599	26	0.04	62054	98.67	647	14	0.02	62743	99.77
553	159	0.25	58372	92.82	600	30	0.05	62084	98.72	649	4	0.01	62747	99.78
554	184	0.29	58556	93.11	601	17	0.03	62101	98.75	650	2	0.00	62749	99.78
555	167	0.27	58723	93.38	602	46	0.07	62147	98.82	651	1	0.00	62750	99.78
556	141	0.22	58864	93.60	603	28	0.04	62175	98.87	652	2	0.00	62752	99.78
557	165	0.26	59029	93.86	604	9	0.01	62184	98.88	653	1	0.00	62753	99.79
558	143	0.23	59172	94.09	605	29	0.05	62213	98.93	656	13	0.02	62766	99.81
559	125	0.20	59297	94.29	606	15	0.02	62228	98.95	658	2	0.00	62768	99.81
560	116	0.18	59413	94.47	607	20	0.03	62248	98.98	660	7	0.01	62775	99.82
561	130	0.21	59543	94.68	608	12	0.02	62260	99.00	664	8	0.01	62783	99.83
562	111	0.18	59654	94.86	609	24	0.04	62284	99.04	666	1	0.00	62784	99.83
563	101	0.16	59755	95.02	610	24	0.04	62308	99.08	667	6	0.01	62790	99.84
564	121	0.19	59876	95.21	611	11	0.02	62319	99.10	671	10	0.02	62800	99.86
565	137	0.22	60013	95.43	612	30	0.05	62349	99.14	675	15	0.02	62815	99.88
566	106	0.17	60119	95.60	613	11	0.02	62360	99.16	678	5	0.01	62820	99.89
567	92	0.15	60211	95.74	614	17	0.03	62377	99.19	680	13	0.02	62833	99.91
568	91	0.14	60302	95.89	615	16	0.03	62393	99.21	685	3	0.00	62836	99.92
569	105	0.17	60407	96.05	616	14	0.02	62407	99.24	687	7	0.01	62843	99.93
570	75	0.12	60482	96.17	617	26	0.04	62433	99.28	691	8	0.01	62851	99.94
571	81	0.13	60563	96.30	618	8	0.01	62441	99.29	730	37	0.06	62888	100.00
572	74	0.12	60637	96.42	619	15	0.02	62456	99.31					
573	103	0.16	60740	96.58	620	52	0.08	62508	99.40					
574	65	0.10	60805	96.69	621	6	0.01	62514	99.41					
575	75	0.12	60880	96.81	622	13	0.02	62527	99.43					
576	70	0.11	60950	96.92	623	10	0.02	62537	99.44					
577	69	0.11	61019	97.03	624	13	0.02	62550	99.46					
578	57	0.09	61076	97.12	625	7	0.01	62557	99.47					
579	76	0.12	61152	97.24	626	11	0.02	62568	99.49					
580	56	0.09	61208	97.33	627	4	0.01	62572	99.50					
581	84	0.13	61292	97.46	628	8	0.01	62580	99.51					
582	60	0.10	61352	97.56	629	7	0.01	62587	99.52					
583	46	0.07	61398	97.63	630	24	0.04	62611	99.56					
584	40	0.06	61438	97.69	631	2	0.00	62613	99.56					
585	51	0.08	61489	97.78	632	11	0.02	62624	99.58					
586	50	0.08	61539	97.85	633	6	0.01	62630	99.59					
587	50	0.08	61589	97.93	634	8	0.01	62638	99.60					

Table 167. Scale Score Distribution, Writing Grade 4 (Spanish)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
392	1	1.10	1	1.10	519	1	1.10	58	63.74
395	1	1.10	2	2.20	520	1	1.10	59	64.84
401	1	1.10	3	3.30	521	1	1.10	60	65.93
414	1	1.10	4	4.40	526	2	2.20	62	68.13
417	1	1.10	5	5.49	527	2	2.20	64	70.33
418	1	1.10	6	6.59	530	1	1.10	65	71.43
419	1	1.10	7	7.69	531	3	3.30	68	74.73
421	1	1.10	8	8.79	532	2	2.20	70	76.92
429	1	1.10	9	9.89	533	2	2.20	72	79.12
430	1	1.10	10	10.99	534	1	1.10	73	80.22
440	1	1.10	11	12.09	535	1	1.10	74	81.32
442	1	1.10	12	13.19	537	2	2.20	76	83.52
443	1	1.10	13	14.29	538	1	1.10	77	84.62
444	1	1.10	14	15.38	542	1	1.10	78	85.71
452	1	1.10	15	16.48	546	1	1.10	79	86.81
456	1	1.10	16	17.58	547	4	4.40	83	91.21
459	2	2.20	18	19.78	548	2	2.20	85	93.41
460	1	1.10	19	20.88	561	1	1.10	86	94.51
461	1	1.10	20	21.98	569	1	1.10	87	95.60
462	1	1.10	21	23.08	570	1	1.10	88	96.70
464	1	1.10	22	24.18	581	1	1.10	89	97.80
465	1	1.10	23	25.27	598	1	1.10	90	98.90
470	1	1.10	24	26.37	624	1	1.10	91	100.00
471	2	2.20	26	28.57					
474	1	1.10	27	29.67					
478	1	1.10	28	30.77					
479	2	2.20	30	32.97					
480	2	2.20	32	35.16					
481	1	1.10	33	36.26					
482	1	1.10	34	37.36					
485	1	1.10	35	38.46					
487	3	3.30	38	41.76					
488	2	2.20	40	43.96					
489	1	1.10	41	45.05					
490	1	1.10	42	46.15					
491	1	1.10	43	47.25					
494	1	1.10	44	48.35					
495	3	3.30	47	51.65					
496	1	1.10	48	52.75					
499	1	1.10	49	53.85					
500	1	1.10	50	54.95					
504	1	1.10	51	56.04					
505	2	2.20	53	58.24					
510	1	1.10	54	59.34					
514	1	1.10	55	60.44					
516	1	1.10	56	61.54					
518	1	1.10	57	62.64					

Table 168. Scale Score Distribution, Mathematics Grade 4

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
180	82	0.13	82	0.13	235	1	0.00	238	0.38	282	13	0.02	644	1.02
181	1	0.00	83	0.13	236	1	0.00	239	0.38	283	15	0.02	659	1.05
184	2	0.00	85	0.13	237	3	0.00	242	0.38	284	13	0.02	672	1.07
185	2	0.00	87	0.14	238	2	0.00	244	0.39	285	14	0.02	686	1.09
187	1	0.00	88	0.14	239	6	0.01	250	0.40	286	17	0.03	703	1.12
188	3	0.00	91	0.14	240	5	0.01	255	0.40	287	11	0.02	714	1.13
190	2	0.00	93	0.15	241	2	0.00	257	0.41	288	19	0.03	733	1.16
192	2	0.00	95	0.15	242	5	0.01	262	0.42	289	22	0.03	755	1.20
193	2	0.00	97	0.15	243	7	0.01	269	0.43	290	17	0.03	772	1.22
194	2	0.00	99	0.16	244	3	0.00	272	0.43	291	15	0.02	787	1.25
195	7	0.01	106	0.17	245	8	0.01	280	0.44	292	20	0.03	807	1.28
197	3	0.00	109	0.17	246	7	0.01	287	0.46	293	17	0.03	824	1.31
199	2	0.00	111	0.18	247	7	0.01	294	0.47	294	12	0.02	836	1.33
200	1	0.00	112	0.18	248	8	0.01	302	0.48	295	19	0.03	855	1.36
201	5	0.01	117	0.19	249	8	0.01	310	0.49	296	17	0.03	872	1.38
202	2	0.00	119	0.19	250	7	0.01	317	0.50	297	15	0.02	887	1.41
203	2	0.00	121	0.19	251	9	0.01	326	0.52	298	26	0.04	913	1.45
204	1	0.00	122	0.19	252	5	0.01	331	0.53	299	21	0.03	934	1.48
205	1	0.00	123	0.20	253	11	0.02	342	0.54	300	17	0.03	951	1.51
206	2	0.00	125	0.20	254	6	0.01	348	0.55	301	22	0.03	973	1.54
207	3	0.00	128	0.20	255	8	0.01	356	0.56	302	20	0.03	993	1.58
208	2	0.00	130	0.21	256	11	0.02	367	0.58	303	22	0.03	1015	1.61
209	2	0.00	132	0.21	257	5	0.01	372	0.59	304	21	0.03	1036	1.64
211	1	0.00	133	0.21	258	10	0.02	382	0.61	305	15	0.02	1051	1.67
212	4	0.01	137	0.22	259	11	0.02	393	0.62	306	29	0.05	1080	1.71
213	3	0.00	140	0.22	260	4	0.01	397	0.63	307	19	0.03	1099	1.74
214	1	0.00	141	0.22	261	7	0.01	404	0.64	308	22	0.03	1121	1.78
215	6	0.01	147	0.23	262	7	0.01	411	0.65	309	23	0.04	1144	1.81
216	2	0.00	149	0.24	263	13	0.02	424	0.67	310	24	0.04	1168	1.85
217	4	0.01	153	0.24	264	14	0.02	438	0.69	311	19	0.03	1187	1.88
218	8	0.01	161	0.26	265	9	0.01	447	0.71	312	29	0.05	1216	1.93
219	4	0.01	165	0.26	266	12	0.02	459	0.73	313	20	0.03	1236	1.96
220	3	0.00	168	0.27	267	7	0.01	466	0.74	314	32	0.05	1268	2.01
221	2	0.00	170	0.27	268	10	0.02	476	0.76	315	25	0.04	1293	2.05
222	3	0.00	173	0.27	269	9	0.01	485	0.77	316	32	0.05	1325	2.10
223	4	0.01	177	0.28	270	6	0.01	491	0.78	317	34	0.05	1359	2.16
224	5	0.01	182	0.29	271	11	0.02	502	0.80	318	42	0.07	1401	2.22
225	7	0.01	189	0.30	272	10	0.02	512	0.81	319	27	0.04	1428	2.27
226	3	0.00	192	0.30	273	12	0.02	524	0.83	320	33	0.05	1461	2.32
227	3	0.00	195	0.31	274	8	0.01	532	0.84	321	33	0.05	1494	2.37
228	4	0.01	199	0.32	275	12	0.02	544	0.86	322	38	0.06	1532	2.43
229	8	0.01	207	0.33	276	9	0.01	553	0.88	323	34	0.05	1566	2.48
230	6	0.01	213	0.34	277	17	0.03	570	0.90	324	26	0.04	1592	2.53
231	7	0.01	220	0.35	278	15	0.02	585	0.93	325	27	0.04	1619	2.57
232	9	0.01	229	0.36	279	18	0.03	603	0.96	326	36	0.06	1655	2.63
233	3	0.00	232	0.37	280	13	0.02	616	0.98	327	42	0.07	1697	2.69
234	5	0.01	237	0.38	281	15	0.02	631	1.00	328	33	0.05	1730	2.74

Table 168. Scale Score Distribution, Mathematics Grade 4 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
329	42	0.07	1772	2.81	376	84	0.13	4696	7.45	423	187	0.30	10963	17.39
330	38	0.06	1810	2.87	377	97	0.15	4793	7.60	424	168	0.27	11131	17.66
331	40	0.06	1850	2.93	378	77	0.12	4870	7.73	425	182	0.29	11313	17.95
332	39	0.06	1889	3.00	379	86	0.14	4956	7.86	426	210	0.33	11523	18.28
333	54	0.09	1943	3.08	380	106	0.17	5062	8.03	427	196	0.31	11719	18.59
334	45	0.07	1988	3.15	381	103	0.16	5165	8.19	428	180	0.29	11899	18.87
335	30	0.05	2018	3.20	382	106	0.17	5271	8.36	429	196	0.31	12095	19.19
336	31	0.05	2049	3.25	383	118	0.19	5389	8.55	430	207	0.33	12302	19.51
337	56	0.09	2105	3.34	384	101	0.16	5490	8.71	431	214	0.34	12516	19.85
338	51	0.08	2156	3.42	385	108	0.17	5598	8.88	432	208	0.33	12724	20.18
339	52	0.08	2208	3.50	386	113	0.18	5711	9.06	433	218	0.35	12942	20.53
340	38	0.06	2246	3.56	387	102	0.16	5813	9.22	434	187	0.30	13129	20.83
341	46	0.07	2292	3.64	388	93	0.15	5906	9.37	435	216	0.34	13345	21.17
342	63	0.10	2355	3.74	389	133	0.21	6039	9.58	436	240	0.38	13585	21.55
343	49	0.08	2404	3.81	390	99	0.16	6138	9.74	437	247	0.39	13832	21.94
344	52	0.08	2456	3.90	391	117	0.19	6255	9.92	438	203	0.32	14035	22.26
345	57	0.09	2513	3.99	392	138	0.22	6393	10.14	439	222	0.35	14257	22.62
346	52	0.08	2565	4.07	393	128	0.20	6521	10.34	440	207	0.33	14464	22.94
347	58	0.09	2623	4.16	394	106	0.17	6627	10.51	441	243	0.39	14707	23.33
348	56	0.09	2679	4.25	395	130	0.21	6757	10.72	442	239	0.38	14946	23.71
349	48	0.08	2727	4.33	396	113	0.18	6870	10.90	443	242	0.38	15188	24.09
350	61	0.10	2788	4.42	397	118	0.19	6988	11.08	444	235	0.37	15423	24.46
351	59	0.09	2847	4.52	398	138	0.22	7126	11.30	445	232	0.37	15655	24.83
352	73	0.12	2920	4.63	399	144	0.23	7270	11.53	446	234	0.37	15889	25.20
353	53	0.08	2973	4.72	400	129	0.20	7399	11.74	447	245	0.39	16134	25.59
354	70	0.11	3043	4.83	401	110	0.17	7509	11.91	448	241	0.38	16375	25.97
355	61	0.10	3104	4.92	402	139	0.22	7648	12.13	449	257	0.41	16632	26.38
356	59	0.09	3163	5.02	403	143	0.23	7791	12.36	450	227	0.36	16859	26.74
357	54	0.09	3217	5.10	404	133	0.21	7924	12.57	451	231	0.37	17090	27.11
358	71	0.11	3288	5.22	405	148	0.23	8072	12.80	452	249	0.39	17339	27.50
359	63	0.10	3351	5.32	406	136	0.22	8208	13.02	453	241	0.38	17580	27.89
360	69	0.11	3420	5.42	407	133	0.21	8341	13.23	454	260	0.41	17840	28.30
361	72	0.11	3492	5.54	408	144	0.23	8485	13.46	455	245	0.39	18085	28.69
362	72	0.11	3564	5.65	409	150	0.24	8635	13.70	456	240	0.38	18325	29.07
363	81	0.13	3645	5.78	410	161	0.26	8796	13.95	457	245	0.39	18570	29.46
364	69	0.11	3714	5.89	411	158	0.25	8954	14.20	458	280	0.44	18850	29.90
365	68	0.11	3782	6.00	412	133	0.21	9087	14.41	459	279	0.44	19129	30.34
366	85	0.13	3867	6.13	413	159	0.25	9246	14.67	460	253	0.40	19382	30.74
367	78	0.12	3945	6.26	414	157	0.25	9403	14.92	461	265	0.42	19647	31.16
368	77	0.12	4022	6.38	415	165	0.26	9568	15.18	462	265	0.42	19912	31.59
369	75	0.12	4097	6.50	416	174	0.28	9742	15.45	463	264	0.42	20176	32.00
370	96	0.15	4193	6.65	417	164	0.26	9906	15.71	464	281	0.45	20457	32.45
371	81	0.13	4274	6.78	418	182	0.29	10088	16.00	465	282	0.45	20739	32.90
372	78	0.12	4352	6.90	419	170	0.27	10258	16.27	466	278	0.44	21017	33.34
373	76	0.12	4428	7.02	420	154	0.24	10412	16.52	467	284	0.45	21301	33.79
374	105	0.17	4533	7.19	421	177	0.28	10589	16.80	468	312	0.49	21613	34.28
375	79	0.13	4612	7.32	422	187	0.30	10776	17.09	469	290	0.46	21903	34.74

Table 168. Scale Score Distribution, Mathematics Grade 4 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
470	265	0.42	22168	35.16	517	350	0.56	37351	59.25	564	270	0.43	51420	81.56
471	308	0.49	22476	35.65	518	319	0.51	37670	59.75	565	241	0.38	51661	81.95
472	287	0.46	22763	36.11	519	325	0.52	37995	60.27	566	260	0.41	51921	82.36
473	289	0.46	23052	36.57	520	327	0.52	38322	60.79	567	236	0.37	52157	82.73
474	332	0.53	23384	37.09	521	340	0.54	38662	61.33	568	222	0.35	52379	83.09
475	304	0.48	23688	37.57	522	325	0.52	38987	61.84	569	225	0.36	52604	83.44
476	310	0.49	23998	38.07	523	336	0.53	39323	62.38	570	211	0.33	52815	83.78
477	314	0.50	24312	38.56	524	320	0.51	39643	62.88	571	218	0.35	53033	84.12
478	289	0.46	24601	39.02	525	348	0.55	39991	63.44	572	231	0.37	53264	84.49
479	280	0.44	24881	39.47	526	331	0.53	40322	63.96	573	245	0.39	53509	84.88
480	318	0.50	25199	39.97	527	324	0.51	40646	64.47	574	223	0.35	53732	85.23
481	326	0.52	25525	40.49	528	337	0.53	40983	65.01	575	216	0.34	53948	85.57
482	320	0.51	25845	41.00	529	317	0.50	41300	65.51	576	231	0.37	54179	85.94
483	316	0.50	26161	41.50	530	318	0.50	41618	66.02	577	198	0.31	54377	86.26
484	291	0.46	26452	41.96	531	315	0.50	41933	66.52	578	181	0.29	54558	86.54
485	311	0.49	26763	42.45	532	310	0.49	42243	67.01	579	188	0.30	54746	86.84
486	310	0.49	27073	42.94	533	318	0.50	42561	67.51	580	206	0.33	54952	87.17
487	326	0.52	27399	43.46	534	298	0.47	42859	67.98	581	196	0.31	55148	87.48
488	346	0.55	27745	44.01	535	318	0.50	43177	68.49	582	193	0.31	55341	87.78
489	303	0.48	28048	44.49	536	322	0.51	43499	69.00	583	207	0.33	55548	88.11
490	295	0.47	28343	44.96	537	319	0.51	43818	69.51	584	166	0.26	55714	88.38
491	316	0.50	28659	45.46	538	298	0.47	44116	69.98	585	187	0.30	55901	88.67
492	338	0.54	28997	46.00	539	292	0.46	44408	70.44	586	172	0.27	56073	88.95
493	309	0.49	29306	46.49	540	288	0.46	44696	70.90	587	180	0.29	56253	89.23
494	343	0.54	29649	47.03	541	295	0.47	44991	71.37	588	158	0.25	56411	89.48
495	324	0.51	29973	47.54	542	298	0.47	45289	71.84	589	172	0.27	56583	89.75
496	328	0.52	30301	48.06	543	291	0.46	45580	72.30	590	149	0.24	56732	89.99
497	331	0.53	30632	48.59	544	287	0.46	45867	72.76	591	164	0.26	56896	90.25
498	335	0.53	30967	49.12	545	305	0.48	46172	73.24	592	158	0.25	57054	90.50
499	301	0.48	31268	49.60	546	319	0.51	46491	73.75	593	162	0.26	57216	90.76
500	308	0.49	31576	50.09	547	291	0.46	46782	74.21	594	170	0.27	57386	91.03
501	322	0.51	31898	50.60	548	304	0.48	47086	74.69	595	160	0.25	57546	91.28
502	342	0.54	32240	51.14	549	301	0.48	47387	75.17	596	147	0.23	57693	91.52
503	358	0.57	32598	51.71	550	300	0.48	47687	75.64	597	133	0.21	57826	91.73
504	327	0.52	32925	52.23	551	281	0.45	47968	76.09	598	135	0.21	57961	91.94
505	330	0.52	33255	52.75	552	305	0.48	48273	76.57	599	126	0.20	58087	92.14
506	343	0.54	33598	53.29	553	307	0.49	48580	77.06	600	111	0.18	58198	92.32
507	330	0.52	33928	53.82	554	237	0.38	48817	77.44	601	132	0.21	58330	92.53
508	334	0.53	34262	54.35	555	266	0.42	49083	77.86	602	125	0.20	58455	92.72
509	325	0.52	34587	54.86	556	254	0.40	49337	78.26	603	139	0.22	58594	92.94
510	343	0.54	34930	55.41	557	262	0.42	49599	78.68	604	108	0.17	58702	93.12
511	357	0.57	35287	55.97	558	279	0.44	49878	79.12	605	131	0.21	58833	93.32
512	307	0.49	35594	56.46	559	293	0.46	50171	79.58	606	111	0.18	58944	93.50
513	332	0.53	35926	56.99	560	248	0.39	50419	79.98	607	97	0.15	59041	93.65
514	355	0.56	36281	57.55	561	255	0.40	50674	80.38	608	114	0.18	59155	93.83
515	375	0.59	36656	58.15	562	232	0.37	50906	80.75	609	98	0.16	59253	93.99
516	345	0.55	37001	58.69	563	244	0.39	51150	81.14	610	133	0.21	59386	94.20

Table 168. Scale Score Distribution, Mathematics Grade 4 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
611	91	0.14	59477	94.35	658	22	0.03	62137	98.56	707	3	0.00	62761	99.55
612	100	0.16	59577	94.50	659	18	0.03	62155	98.59	708	3	0.00	62764	99.56
613	98	0.16	59675	94.66	660	24	0.04	62179	98.63	709	2	0.00	62766	99.56
614	96	0.15	59771	94.81	661	27	0.04	62206	98.67	710	2	0.00	62768	99.57
615	82	0.13	59853	94.94	662	33	0.05	62239	98.73	711	8	0.01	62776	99.58
616	101	0.16	59954	95.10	663	23	0.04	62262	98.76	712	5	0.01	62781	99.59
617	109	0.17	60063	95.27	664	18	0.03	62280	98.79	713	2	0.00	62783	99.59
618	74	0.12	60137	95.39	665	15	0.02	62295	98.82	714	4	0.01	62787	99.60
619	85	0.13	60222	95.53	666	24	0.04	62319	98.85	715	1	0.00	62788	99.60
620	69	0.11	60291	95.64	667	18	0.03	62337	98.88	718	2	0.00	62790	99.60
621	88	0.14	60379	95.78	668	14	0.02	62351	98.90	719	8	0.01	62798	99.61
622	84	0.13	60463	95.91	669	21	0.03	62372	98.94	720	5	0.01	62803	99.62
623	85	0.13	60548	96.04	670	18	0.03	62390	98.97	722	24	0.04	62827	99.66
624	79	0.13	60627	96.17	671	14	0.02	62404	98.99	723	6	0.01	62833	99.67
625	69	0.11	60696	96.28	672	17	0.03	62421	99.01	724	1	0.00	62834	99.67
626	82	0.13	60778	96.41	673	17	0.03	62438	99.04	727	10	0.02	62844	99.69
627	67	0.11	60845	96.52	674	10	0.02	62448	99.06	728	3	0.00	62847	99.69
628	83	0.13	60928	96.65	675	19	0.03	62467	99.09	729	28	0.04	62875	99.74
629	64	0.10	60992	96.75	676	11	0.02	62478	99.11	732	17	0.03	62892	99.76
630	60	0.10	61052	96.84	677	12	0.02	62490	99.12	734	4	0.01	62896	99.77
631	65	0.10	61117	96.95	678	18	0.03	62508	99.15	736	4	0.01	62900	99.77
632	57	0.09	61174	97.04	679	3	0.00	62511	99.16	745	5	0.01	62905	99.78
633	46	0.07	61220	97.11	680	9	0.01	62520	99.17	747	25	0.04	62930	99.82
634	59	0.09	61279	97.20	681	19	0.03	62539	99.20	758	5	0.01	62935	99.83
635	47	0.07	61326	97.28	682	10	0.02	62549	99.22	764	2	0.00	62937	99.83
636	45	0.07	61371	97.35	683	5	0.01	62554	99.23	767	32	0.05	62969	99.88
637	62	0.10	61433	97.45	684	15	0.02	62569	99.25	780	73	0.12	63042	100.00
638	42	0.07	61475	97.51	685	29	0.05	62598	99.30					
639	38	0.06	61513	97.57	686	7	0.01	62605	99.31					
640	49	0.08	61562	97.65	687	13	0.02	62618	99.33					
641	50	0.08	61612	97.73	688	15	0.02	62633	99.35					
642	37	0.06	61649	97.79	689	8	0.01	62641	99.36					
643	32	0.05	61681	97.84	690	3	0.00	62644	99.37					
644	43	0.07	61724	97.91	691	7	0.01	62651	99.38					
645	48	0.08	61772	97.99	692	25	0.04	62676	99.42					
646	37	0.06	61809	98.04	693	5	0.01	62681	99.43					
647	38	0.06	61847	98.10	694	6	0.01	62687	99.44					
648	33	0.05	61880	98.16	695	25	0.04	62712	99.48					
649	36	0.06	61916	98.21	696	5	0.01	62717	99.48					
650	32	0.05	61948	98.26	698	6	0.01	62723	99.49					
651	34	0.05	61982	98.32	699	14	0.02	62737	99.52					
652	23	0.04	62005	98.36	700	2	0.00	62739	99.52					
653	29	0.05	62034	98.40	701	2	0.00	62741	99.52					
654	19	0.03	62053	98.43	702	3	0.00	62744	99.53					
655	19	0.03	62072	98.46	703	9	0.01	62753	99.54					
656	24	0.04	62096	98.50	705	1	0.00	62754	99.54					
657	19	0.03	62115	98.53	706	4	0.01	62758	99.55					

Table 169. Scale Score Distribution, Reading Grade 5

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
220	416	0.67	416	0.67	369	1	0.00	519	0.83	416	6	0.01	851	1.37
228	1	0.00	417	0.67	370	6	0.01	525	0.84	417	12	0.02	863	1.38
232	1	0.00	418	0.67	371	2	0.00	527	0.85	418	10	0.02	873	1.40
246	1	0.00	419	0.67	372	5	0.01	532	0.85	419	10	0.02	883	1.42
253	1	0.00	420	0.67	373	2	0.00	534	0.86	420	18	0.03	901	1.45
275	1	0.00	421	0.68	374	2	0.00	536	0.86	421	7	0.01	908	1.46
276	1	0.00	422	0.68	375	5	0.01	541	0.87	422	11	0.02	919	1.47
281	1	0.00	423	0.68	376	6	0.01	547	0.88	423	16	0.03	935	1.50
293	1	0.00	424	0.68	377	5	0.01	552	0.89	424	19	0.03	954	1.53
310	1	0.00	425	0.68	378	4	0.01	556	0.89	425	16	0.03	970	1.56
315	1	0.00	426	0.68	379	7	0.01	563	0.90	426	21	0.03	991	1.59
316	1	0.00	427	0.69	380	5	0.01	568	0.91	427	9	0.01	1000	1.60
320	2	0.00	429	0.69	381	3	0.00	571	0.92	428	12	0.02	1012	1.62
324	2	0.00	431	0.69	382	2	0.00	573	0.92	429	17	0.03	1029	1.65
325	1	0.00	432	0.69	383	4	0.01	577	0.93	430	10	0.02	1039	1.67
326	1	0.00	433	0.69	384	3	0.00	580	0.93	431	19	0.03	1058	1.70
327	2	0.00	435	0.70	385	5	0.01	585	0.94	432	17	0.03	1075	1.72
329	1	0.00	436	0.70	386	4	0.01	589	0.95	433	11	0.02	1086	1.74
331	2	0.00	438	0.70	387	7	0.01	596	0.96	434	12	0.02	1098	1.76
332	1	0.00	439	0.70	388	2	0.00	598	0.96	435	12	0.02	1110	1.78
334	1	0.00	440	0.71	389	8	0.01	606	0.97	436	17	0.03	1127	1.81
335	1	0.00	441	0.71	390	6	0.01	612	0.98	437	18	0.03	1145	1.84
336	2	0.00	443	0.71	391	6	0.01	618	0.99	438	15	0.02	1160	1.86
339	2	0.00	445	0.71	392	12	0.02	630	1.01	439	20	0.03	1180	1.89
340	1	0.00	446	0.72	393	10	0.02	640	1.03	440	25	0.04	1205	1.93
341	1	0.00	447	0.72	394	8	0.01	648	1.04	441	31	0.05	1236	1.98
342	1	0.00	448	0.72	395	8	0.01	656	1.05	442	13	0.02	1249	2.00
345	3	0.00	451	0.72	396	7	0.01	663	1.06	443	25	0.04	1274	2.04
346	1	0.00	452	0.73	397	10	0.02	673	1.08	444	22	0.04	1296	2.08
349	1	0.00	453	0.73	398	5	0.01	678	1.09	445	21	0.03	1317	2.11
350	2	0.00	455	0.73	399	5	0.01	683	1.10	446	20	0.03	1337	2.15
351	2	0.00	457	0.73	400	15	0.02	698	1.12	447	24	0.04	1361	2.18
352	4	0.01	461	0.74	401	10	0.02	708	1.14	448	33	0.05	1394	2.24
353	3	0.00	464	0.74	402	12	0.02	720	1.16	449	29	0.05	1423	2.28
354	4	0.01	468	0.75	403	3	0.00	723	1.16	450	27	0.04	1450	2.33
355	11	0.02	479	0.77	404	5	0.01	728	1.17	451	19	0.03	1469	2.36
356	2	0.00	481	0.77	405	6	0.01	734	1.18	452	21	0.03	1490	2.39
357	2	0.00	483	0.77	406	10	0.02	744	1.19	453	31	0.05	1521	2.44
358	2	0.00	485	0.78	407	9	0.01	753	1.21	454	36	0.06	1557	2.50
361	5	0.01	490	0.79	408	13	0.02	766	1.23	455	32	0.05	1589	2.55
362	2	0.00	492	0.79	409	10	0.02	776	1.25	456	34	0.05	1623	2.60
363	2	0.00	494	0.79	410	12	0.02	788	1.26	457	21	0.03	1644	2.64
364	4	0.01	498	0.80	411	10	0.02	798	1.28	458	27	0.04	1671	2.68
365	7	0.01	505	0.81	412	11	0.02	809	1.30	459	32	0.05	1703	2.73
366	6	0.01	511	0.82	413	12	0.02	821	1.32	460	28	0.04	1731	2.78
367	2	0.00	513	0.82	414	13	0.02	834	1.34	461	34	0.05	1765	2.83
368	5	0.01	518	0.83	415	11	0.02	845	1.36	462	33	0.05	1798	2.88

Table 169. Scale Score Distribution, Reading Grade 5 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
463	27	0.04	1825	2.93	510	82	0.13	4281	6.87	557	208	0.33	10679	17.13
464	33	0.05	1858	2.98	511	83	0.13	4364	7.00	558	225	0.36	10904	17.49
465	30	0.05	1888	3.03	512	82	0.13	4446	7.13	559	216	0.35	11120	17.84
466	33	0.05	1921	3.08	513	98	0.16	4544	7.29	560	222	0.36	11342	18.20
467	36	0.06	1957	3.14	514	97	0.16	4641	7.45	561	227	0.36	11569	18.56
468	37	0.06	1994	3.20	515	89	0.14	4730	7.59	562	209	0.34	11778	18.90
469	39	0.06	2033	3.26	516	90	0.14	4820	7.73	563	223	0.36	12001	19.25
470	43	0.07	2076	3.33	517	83	0.13	4903	7.87	564	227	0.36	12228	19.62
471	38	0.06	2114	3.39	518	95	0.15	4998	8.02	565	252	0.40	12480	20.02
472	48	0.08	2162	3.47	519	100	0.16	5098	8.18	566	237	0.38	12717	20.40
473	32	0.05	2194	3.52	520	117	0.19	5215	8.37	567	228	0.37	12945	20.77
474	39	0.06	2233	3.58	521	108	0.17	5323	8.54	568	272	0.44	13217	21.21
475	44	0.07	2277	3.65	522	94	0.15	5417	8.69	569	261	0.42	13478	21.62
476	50	0.08	2327	3.73	523	79	0.13	5496	8.82	570	276	0.44	13754	22.07
477	52	0.08	2379	3.82	524	103	0.17	5599	8.98	571	258	0.41	14012	22.48
478	31	0.05	2410	3.87	525	113	0.18	5712	9.16	572	267	0.43	14279	22.91
479	51	0.08	2461	3.95	526	107	0.17	5819	9.34	573	321	0.52	14600	23.42
480	43	0.07	2504	4.02	527	123	0.20	5942	9.53	574	267	0.43	14867	23.85
481	34	0.05	2538	4.07	528	119	0.19	6061	9.72	575	250	0.40	15117	24.25
482	55	0.09	2593	4.16	529	112	0.18	6173	9.90	576	286	0.46	15403	24.71
483	38	0.06	2631	4.22	530	121	0.19	6294	10.10	577	296	0.47	15699	25.19
484	52	0.08	2683	4.30	531	133	0.21	6427	10.31	578	271	0.43	15970	25.62
485	53	0.09	2736	4.39	532	134	0.21	6561	10.53	579	287	0.46	16257	26.08
486	47	0.08	2783	4.47	533	152	0.24	6713	10.77	580	278	0.45	16535	26.53
487	47	0.08	2830	4.54	534	127	0.20	6840	10.97	581	290	0.47	16825	26.99
488	49	0.08	2879	4.62	535	127	0.20	6967	11.18	582	341	0.55	17166	27.54
489	48	0.08	2927	4.70	536	131	0.21	7098	11.39	583	312	0.50	17478	28.04
490	55	0.09	2982	4.78	537	144	0.23	7242	11.62	584	297	0.48	17775	28.52
491	63	0.10	3045	4.89	538	145	0.23	7387	11.85	585	330	0.53	18105	29.05
492	62	0.10	3107	4.98	539	137	0.22	7524	12.07	586	342	0.55	18447	29.60
493	64	0.10	3171	5.09	540	141	0.23	7665	12.30	587	309	0.50	18756	30.09
494	55	0.09	3226	5.18	541	143	0.23	7808	12.53	588	333	0.53	19089	30.63
495	47	0.08	3273	5.25	542	150	0.24	7958	12.77	589	332	0.53	19421	31.16
496	66	0.11	3339	5.36	543	149	0.24	8107	13.01	590	324	0.52	19745	31.68
497	55	0.09	3394	5.45	544	185	0.30	8292	13.30	591	320	0.51	20065	32.19
498	60	0.10	3454	5.54	545	152	0.24	8444	13.55	592	342	0.55	20407	32.74
499	56	0.09	3510	5.63	546	182	0.29	8626	13.84	593	334	0.54	20741	33.28
500	65	0.10	3575	5.74	547	175	0.28	8801	14.12	594	362	0.58	21103	33.86
501	76	0.12	3651	5.86	548	177	0.28	8978	14.40	595	330	0.53	21433	34.39
502	62	0.10	3713	5.96	549	182	0.29	9160	14.70	596	351	0.56	21784	34.95
503	77	0.12	3790	6.08	550	154	0.25	9314	14.94	597	371	0.60	22155	35.55
504	79	0.13	3869	6.21	551	174	0.28	9488	15.22	598	383	0.61	22538	36.16
505	72	0.12	3941	6.32	552	186	0.30	9674	15.52	599	384	0.62	22922	36.78
506	70	0.11	4011	6.44	553	196	0.31	9870	15.84	600	416	0.67	23338	37.44
507	64	0.10	4075	6.54	554	179	0.29	10049	16.12	601	379	0.61	23717	38.05
508	58	0.09	4133	6.63	555	213	0.34	10262	16.46	602	391	0.63	24108	38.68
509	66	0.11	4199	6.74	556	209	0.34	10471	16.80	603	377	0.60	24485	39.28

Table 169. Scale Score Distribution, Reading Grade 5 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
604	410	0.66	24895	39.94	651	434	0.70	45016	72.23	698	185	0.30	58712	94.20
605	445	0.71	25340	40.66	652	433	0.69	45449	72.92	699	138	0.22	58850	94.42
606	408	0.65	25748	41.31	653	417	0.67	45866	73.59	700	177	0.28	59027	94.71
607	372	0.60	26120	41.91	654	421	0.68	46287	74.26	701	151	0.24	59178	94.95
608	386	0.62	26506	42.53	655	397	0.64	46684	74.90	702	134	0.21	59312	95.16
609	398	0.64	26904	43.17	656	386	0.62	47070	75.52	703	116	0.19	59428	95.35
610	408	0.65	27312	43.82	657	374	0.60	47444	76.12	704	148	0.24	59576	95.59
611	401	0.64	27713	44.46	658	402	0.64	47846	76.77	705	154	0.25	59730	95.83
612	389	0.62	28102	45.09	659	383	0.61	48229	77.38	706	111	0.18	59841	96.01
613	388	0.62	28490	45.71	660	410	0.66	48639	78.04	707	107	0.17	59948	96.18
614	387	0.62	28877	46.33	661	356	0.57	48995	78.61	708	113	0.18	60061	96.36
615	418	0.67	29295	47.00	662	366	0.59	49361	79.20	709	111	0.18	60172	96.54
616	389	0.62	29684	47.63	663	380	0.61	49741	79.81	710	113	0.18	60285	96.72
617	387	0.62	30071	48.25	664	361	0.58	50102	80.39	711	111	0.18	60396	96.90
618	421	0.68	30492	48.92	665	375	0.60	50477	80.99	712	87	0.14	60483	97.04
619	455	0.73	30947	49.65	666	325	0.52	50802	81.51	713	84	0.13	60567	97.18
620	444	0.71	31391	50.37	667	288	0.46	51090	81.97	714	97	0.16	60664	97.33
621	444	0.71	31835	51.08	668	335	0.54	51425	82.51	715	79	0.13	60743	97.46
622	442	0.71	32277	51.79	669	316	0.51	51741	83.02	716	89	0.14	60832	97.60
623	424	0.68	32701	52.47	670	287	0.46	52028	83.48	717	85	0.14	60917	97.74
624	480	0.77	33181	53.24	671	332	0.53	52360	84.01	718	83	0.13	61000	97.87
625	427	0.69	33608	53.92	672	304	0.49	52664	84.50	719	71	0.11	61071	97.98
626	435	0.70	34043	54.62	673	293	0.47	52957	84.97	720	64	0.10	61135	98.09
627	470	0.75	34513	55.37	674	301	0.48	53258	85.45	721	64	0.10	61199	98.19
628	456	0.73	34969	56.11	675	279	0.45	53537	85.90	722	60	0.10	61259	98.29
629	415	0.67	35384	56.77	676	259	0.42	53796	86.31	723	58	0.09	61317	98.38
630	437	0.70	35821	57.47	677	299	0.48	54095	86.79	724	43	0.07	61360	98.45
631	463	0.74	36284	58.22	678	264	0.42	54359	87.22	725	41	0.07	61401	98.51
632	487	0.78	36771	59.00	679	253	0.41	54612	87.62	726	34	0.05	61435	98.57
633	425	0.68	37196	59.68	680	260	0.42	54872	88.04	727	50	0.08	61485	98.65
634	452	0.73	37648	60.40	681	259	0.42	55131	88.45	728	50	0.08	61535	98.73
635	476	0.76	38124	61.17	682	231	0.37	55362	88.83	729	38	0.06	61573	98.79
636	456	0.73	38580	61.90	683	258	0.41	55620	89.24	730	42	0.07	61615	98.86
637	422	0.68	39002	62.58	684	250	0.40	55870	89.64	731	40	0.06	61655	98.92
638	440	0.71	39442	63.28	685	219	0.35	56089	89.99	732	42	0.07	61697	98.99
639	417	0.67	39859	63.95	686	230	0.37	56319	90.36	733	37	0.06	61734	99.05
640	421	0.68	40280	64.63	687	246	0.39	56565	90.76	734	41	0.07	61775	99.11
641	469	0.75	40749	65.38	688	216	0.35	56781	91.10	735	27	0.04	61802	99.16
642	424	0.68	41173	66.06	689	219	0.35	57000	91.45	736	30	0.05	61832	99.21
643	445	0.71	41618	66.77	690	208	0.33	57208	91.79	737	29	0.05	61861	99.25
644	384	0.62	42002	67.39	691	216	0.35	57424	92.13	738	17	0.03	61878	99.28
645	439	0.70	42441	68.09	692	219	0.35	57643	92.48	739	35	0.06	61913	99.34
646	443	0.71	42884	68.80	693	179	0.29	57822	92.77	740	25	0.04	61938	99.38
647	420	0.67	43304	69.48	694	187	0.30	58009	93.07	741	23	0.04	61961	99.41
648	432	0.69	43736	70.17	695	165	0.26	58174	93.34	742	23	0.04	61984	99.45
649	404	0.65	44140	70.82	696	191	0.31	58365	93.64	743	19	0.03	62003	99.48
650	442	0.71	44582	71.53	697	162	0.26	58527	93.90	744	19	0.03	62022	99.51

Table 169. Scale Score Distribution, Reading Grade 5 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
745	22	0.04	62044	99.55	793	3	0.00	62315	99.98
746	12	0.02	62056	99.57	794	2	0.00	62317	99.98
747	11	0.02	62067	99.58	795	1	0.00	62318	99.99
748	16	0.03	62083	99.61	796	2	0.00	62320	99.99
749	13	0.02	62096	99.63	799	2	0.00	62322	99.99
750	10	0.02	62106	99.65	800	1	0.00	62323	99.99
751	19	0.03	62125	99.68	802	1	0.00	62324	100.00
752	10	0.02	62135	99.69	803	1	0.00	62325	100.00
753	9	0.01	62144	99.71	805	1	0.00	62326	100.00
754	5	0.01	62149	99.71	836	1	0.00	62327	100.00
755	12	0.02	62161	99.73					
756	9	0.01	62170	99.75					
757	9	0.01	62179	99.76					
758	12	0.02	62191	99.78					
759	6	0.01	62197	99.79					
760	7	0.01	62204	99.80					
761	5	0.01	62209	99.81					
762	5	0.01	62214	99.82					
763	6	0.01	62220	99.83					
764	4	0.01	62224	99.83					
765	10	0.02	62234	99.85					
766	10	0.02	62244	99.87					
767	3	0.00	62247	99.87					
768	5	0.01	62252	99.88					
769	7	0.01	62259	99.89					
770	3	0.00	62262	99.90					
771	2	0.00	62264	99.90					
772	4	0.01	62268	99.91					
773	2	0.00	62270	99.91					
774	5	0.01	62275	99.92					
775	1	0.00	62276	99.92					
776	3	0.00	62279	99.92					
777	2	0.00	62281	99.93					
778	4	0.01	62285	99.93					
779	3	0.00	62288	99.94					
780	1	0.00	62289	99.94					
781	4	0.01	62293	99.95					
782	5	0.01	62298	99.95					
783	2	0.00	62300	99.96					
784	2	0.00	62302	99.96					
785	1	0.00	62303	99.96					
786	2	0.00	62305	99.96					
788	1	0.00	62306	99.97					
789	1	0.00	62307	99.97					
790	2	0.00	62309	99.97					
791	2	0.00	62311	99.97					
792	1	0.00	62312	99.98					

Table 170. Scale Score Distribution, Writing Grade 5

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
220	11	0.02	11	0.02	302	1	0.00	112	0.18	349	7	0.01	379	0.61
221	1	0.00	12	0.02	303	3	0.00	115	0.18	350	8	0.01	387	0.62
229	1	0.00	13	0.02	304	2	0.00	117	0.19	351	4	0.01	391	0.63
232	2	0.00	15	0.02	305	1	0.00	118	0.19	352	12	0.02	403	0.64
233	1	0.00	16	0.03	306	1	0.00	119	0.19	353	7	0.01	410	0.66
234	1	0.00	17	0.03	307	2	0.00	121	0.19	354	8	0.01	418	0.67
238	1	0.00	18	0.03	308	8	0.01	129	0.21	355	9	0.01	427	0.68
240	3	0.00	21	0.03	309	3	0.00	132	0.21	356	12	0.02	439	0.70
241	2	0.00	23	0.04	310	1	0.00	133	0.21	357	20	0.03	459	0.73
242	1	0.00	24	0.04	311	4	0.01	137	0.22	358	14	0.02	473	0.76
243	5	0.01	29	0.05	312	4	0.01	141	0.23	359	6	0.01	479	0.77
245	1	0.00	30	0.05	313	8	0.01	149	0.24	360	14	0.02	493	0.79
246	1	0.00	31	0.05	314	7	0.01	156	0.25	361	11	0.02	504	0.81
248	3	0.00	34	0.05	315	4	0.01	160	0.26	362	21	0.03	525	0.84
250	1	0.00	35	0.06	316	3	0.00	163	0.26	363	19	0.03	544	0.87
254	1	0.00	36	0.06	317	3	0.00	166	0.27	364	22	0.04	566	0.91
255	1	0.00	37	0.06	318	4	0.01	170	0.27	365	12	0.02	578	0.92
257	1	0.00	38	0.06	319	4	0.01	174	0.28	366	19	0.03	597	0.95
261	1	0.00	39	0.06	320	9	0.01	183	0.29	367	21	0.03	618	0.99
266	2	0.00	41	0.07	321	6	0.01	189	0.30	368	25	0.04	643	1.03
267	1	0.00	42	0.07	322	3	0.00	192	0.31	369	17	0.03	660	1.06
272	2	0.00	44	0.07	323	4	0.01	196	0.31	370	27	0.04	687	1.10
273	2	0.00	46	0.07	324	3	0.00	199	0.32	371	21	0.03	708	1.13
274	1	0.00	47	0.08	325	3	0.00	202	0.32	372	25	0.04	733	1.17
275	1	0.00	48	0.08	326	2	0.00	204	0.33	373	21	0.03	754	1.21
276	1	0.00	49	0.08	327	2	0.00	206	0.33	374	32	0.05	786	1.26
277	3	0.00	52	0.08	328	2	0.00	208	0.33	375	23	0.04	809	1.29
278	4	0.01	56	0.09	329	7	0.01	215	0.34	376	30	0.05	839	1.34
279	2	0.00	58	0.09	330	5	0.01	220	0.35	377	34	0.05	873	1.40
280	3	0.00	61	0.10	331	5	0.01	225	0.36	378	30	0.05	903	1.44
283	4	0.01	65	0.10	332	5	0.01	230	0.37	379	27	0.04	930	1.49
284	2	0.00	67	0.11	333	2	0.00	232	0.37	380	41	0.07	971	1.55
285	2	0.00	69	0.11	334	9	0.01	241	0.39	381	34	0.05	1005	1.61
286	1	0.00	70	0.11	335	8	0.01	249	0.40	382	27	0.04	1032	1.65
287	2	0.00	72	0.12	336	10	0.02	259	0.41	383	37	0.06	1069	1.71
288	4	0.01	76	0.12	337	7	0.01	266	0.43	384	41	0.07	1110	1.77
289	3	0.00	79	0.13	338	8	0.01	274	0.44	385	45	0.07	1155	1.85
290	2	0.00	81	0.13	339	6	0.01	280	0.45	386	41	0.07	1196	1.91
291	3	0.00	84	0.13	340	7	0.01	287	0.46	387	44	0.07	1240	1.98
294	2	0.00	86	0.14	341	8	0.01	295	0.47	388	27	0.04	1267	2.03
295	1	0.00	87	0.14	342	9	0.01	304	0.49	389	47	0.08	1314	2.10
296	6	0.01	93	0.15	343	8	0.01	312	0.50	390	43	0.07	1357	2.17
297	5	0.01	98	0.16	344	9	0.01	321	0.51	391	47	0.08	1404	2.25
298	1	0.00	99	0.16	345	11	0.02	332	0.53	392	38	0.06	1442	2.31
299	3	0.00	102	0.16	346	12	0.02	344	0.55	393	36	0.06	1478	2.36
300	7	0.01	109	0.17	347	10	0.02	354	0.57	394	55	0.09	1533	2.45
301	2	0.00	111	0.18	348	18	0.03	372	0.59	395	58	0.09	1591	2.54

Table 170. Scale Score Distribution, Writing Grade 5 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
396	59	0.09	1650	2.64	443	207	0.33	7448	11.91	490	452	0.72	22775	36.42
397	49	0.08	1699	2.72	444	179	0.29	7627	12.20	491	418	0.67	23193	37.09
398	55	0.09	1754	2.80	445	214	0.34	7841	12.54	492	468	0.75	23661	37.84
399	57	0.09	1811	2.90	446	248	0.40	8089	12.93	493	408	0.65	24069	38.49
400	70	0.11	1881	3.01	447	226	0.36	8315	13.30	494	488	0.78	24557	39.27
401	60	0.10	1941	3.10	448	243	0.39	8558	13.68	495	432	0.69	24989	39.96
402	54	0.09	1995	3.19	449	234	0.37	8792	14.06	496	430	0.69	25419	40.65
403	71	0.11	2066	3.30	450	217	0.35	9009	14.41	497	428	0.68	25847	41.33
404	67	0.11	2133	3.41	451	252	0.40	9261	14.81	498	464	0.74	26311	42.07
405	94	0.15	2227	3.56	452	227	0.36	9488	15.17	499	466	0.75	26777	42.82
406	73	0.12	2300	3.68	453	269	0.43	9757	15.60	500	493	0.79	27270	43.61
407	68	0.11	2368	3.79	454	257	0.41	10014	16.01	501	487	0.78	27757	44.39
408	73	0.12	2441	3.90	455	287	0.46	10301	16.47	502	442	0.71	28199	45.09
409	67	0.11	2508	4.01	456	271	0.43	10572	16.91	503	479	0.77	28678	45.86
410	78	0.12	2586	4.14	457	282	0.45	10854	17.36	504	465	0.74	29143	46.60
411	87	0.14	2673	4.27	458	291	0.47	11145	17.82	505	483	0.77	29626	47.37
412	104	0.17	2777	4.44	459	289	0.46	11434	18.28	506	480	0.77	30106	48.14
413	104	0.17	2881	4.61	460	292	0.47	11726	18.75	507	511	0.82	30617	48.96
414	102	0.16	2983	4.77	461	322	0.51	12048	19.27	508	457	0.73	31074	49.69
415	92	0.15	3075	4.92	462	299	0.48	12347	19.74	509	454	0.73	31528	50.42
416	90	0.14	3165	5.06	463	284	0.45	12631	20.20	510	455	0.73	31983	51.14
417	92	0.15	3257	5.21	464	321	0.51	12952	20.71	511	469	0.75	32452	51.89
418	129	0.21	3386	5.41	465	304	0.49	13256	21.20	512	457	0.73	32909	52.62
419	102	0.16	3488	5.58	466	290	0.46	13546	21.66	513	470	0.75	33379	53.38
420	108	0.17	3596	5.75	467	364	0.58	13910	22.24	514	438	0.70	33817	54.08
421	129	0.21	3725	5.96	468	322	0.51	14232	22.76	515	458	0.73	34275	54.81
422	134	0.21	3859	6.17	469	364	0.58	14596	23.34	516	448	0.72	34723	55.52
423	137	0.22	3996	6.39	470	361	0.58	14957	23.92	517	481	0.77	35204	56.29
424	143	0.23	4139	6.62	471	369	0.59	15326	24.51	518	475	0.76	35679	57.05
425	121	0.19	4260	6.81	472	348	0.56	15674	25.06	519	487	0.78	36166	57.83
426	140	0.22	4400	7.04	473	360	0.58	16034	25.64	520	471	0.75	36637	58.59
427	150	0.24	4550	7.28	474	364	0.58	16398	26.22	521	445	0.71	37082	59.30
428	142	0.23	4692	7.50	475	384	0.61	16782	26.84	522	456	0.73	37538	60.03
429	140	0.22	4832	7.73	476	367	0.59	17149	27.42	523	478	0.76	38016	60.79
430	158	0.25	4990	7.98	477	407	0.65	17556	28.07	524	449	0.72	38465	61.51
431	158	0.25	5148	8.23	478	371	0.59	17927	28.67	525	500	0.80	38965	62.31
432	166	0.27	5314	8.50	479	347	0.55	18274	29.22	526	465	0.74	39430	63.05
433	173	0.28	5487	8.77	480	363	0.58	18637	29.80	527	454	0.73	39884	63.78
434	185	0.30	5672	9.07	481	422	0.67	19059	30.48	528	452	0.72	40336	64.50
435	187	0.30	5859	9.37	482	408	0.65	19467	31.13	529	474	0.76	40810	65.26
436	180	0.29	6039	9.66	483	410	0.66	19877	31.78	530	430	0.69	41240	65.95
437	194	0.31	6233	9.97	484	425	0.68	20302	32.46	531	418	0.67	41658	66.61
438	203	0.32	6436	10.29	485	377	0.60	20679	33.07	532	400	0.64	42058	67.25
439	215	0.34	6651	10.64	486	391	0.63	21070	33.69	533	442	0.71	42500	67.96
440	208	0.33	6859	10.97	487	427	0.68	21497	34.38	534	456	0.73	42956	68.69
441	172	0.28	7031	11.24	488	412	0.66	21909	35.03	535	424	0.68	43380	69.37
442	210	0.34	7241	11.58	489	414	0.66	22323	35.70	536	441	0.71	43821	70.07

Table 170. Scale Score Distribution, Writing Grade 5 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
537	419	0.67	44240	70.74	584	151	0.24	57311	91.64	631	22	0.04	61239	97.93
538	401	0.64	44641	71.38	585	154	0.25	57465	91.89	632	33	0.05	61272	97.98
539	388	0.62	45029	72.00	586	161	0.26	57626	92.15	633	66	0.11	61338	98.08
540	422	0.67	45451	72.68	587	126	0.20	57752	92.35	634	30	0.05	61368	98.13
541	402	0.64	45853	73.32	588	146	0.23	57898	92.58	635	27	0.04	61395	98.18
542	382	0.61	46235	73.93	589	137	0.22	58035	92.80	636	19	0.03	61414	98.21
543	363	0.58	46598	74.51	590	144	0.23	58179	93.03	637	41	0.07	61455	98.27
544	348	0.56	46946	75.07	591	106	0.17	58285	93.20	638	19	0.03	61474	98.30
545	339	0.54	47285	75.61	592	147	0.24	58432	93.44	639	32	0.05	61506	98.35
546	356	0.57	47641	76.18	593	118	0.19	58550	93.63	640	14	0.02	61520	98.38
547	355	0.57	47996	76.75	594	103	0.16	58653	93.79	641	29	0.05	61549	98.42
548	354	0.57	48350	77.32	595	104	0.17	58757	93.96	642	20	0.03	61569	98.45
549	377	0.60	48727	77.92	596	120	0.19	58877	94.15	643	32	0.05	61601	98.50
550	328	0.52	49055	78.44	597	106	0.17	58983	94.32	644	25	0.04	61626	98.54
551	334	0.53	49389	78.98	598	111	0.18	59094	94.50	645	16	0.03	61642	98.57
552	351	0.56	49740	79.54	599	110	0.18	59204	94.67	646	71	0.11	61713	98.68
553	303	0.48	50043	80.02	600	85	0.14	59289	94.81	647	17	0.03	61730	98.71
554	318	0.51	50361	80.53	601	99	0.16	59388	94.97	648	40	0.06	61770	98.78
555	314	0.50	50675	81.03	602	91	0.15	59479	95.11	649	16	0.03	61786	98.80
556	279	0.45	50954	81.48	603	79	0.13	59558	95.24	650	24	0.04	61810	98.84
557	302	0.48	51256	81.96	604	116	0.19	59674	95.42	651	10	0.02	61820	98.86
558	286	0.46	51542	82.42	605	88	0.14	59762	95.56	652	12	0.02	61832	98.87
559	335	0.54	51877	82.96	606	66	0.11	59828	95.67	653	28	0.04	61860	98.92
560	270	0.43	52147	83.39	607	75	0.12	59903	95.79	654	13	0.02	61873	98.94
561	254	0.41	52401	83.79	608	80	0.13	59983	95.92	655	28	0.04	61901	98.98
562	268	0.43	52669	84.22	609	67	0.11	60050	96.02	656	7	0.01	61908	99.00
563	279	0.45	52948	84.67	610	74	0.12	60124	96.14	657	20	0.03	61928	99.03
564	248	0.40	53196	85.06	611	61	0.10	60185	96.24	658	3	0.00	61931	99.03
565	241	0.39	53437	85.45	612	63	0.10	60248	96.34	659	18	0.03	61949	99.06
566	278	0.44	53715	85.89	613	64	0.10	60312	96.44	660	9	0.01	61958	99.08
567	249	0.40	53964	86.29	614	63	0.10	60375	96.54	661	12	0.02	61970	99.09
568	235	0.38	54199	86.67	615	70	0.11	60445	96.66	662	12	0.02	61982	99.11
569	241	0.39	54440	87.05	616	74	0.12	60519	96.77	663	9	0.01	61991	99.13
570	211	0.34	54651	87.39	617	54	0.09	60573	96.86	664	7	0.01	61998	99.14
571	216	0.35	54867	87.74	618	75	0.12	60648	96.98	665	15	0.02	62013	99.16
572	217	0.35	55084	88.08	619	67	0.11	60715	97.09	666	22	0.04	62035	99.20
573	209	0.33	55293	88.42	620	56	0.09	60771	97.18	667	15	0.02	62050	99.22
574	209	0.33	55502	88.75	621	53	0.08	60824	97.26	668	15	0.02	62065	99.25
575	226	0.36	55728	89.11	622	39	0.06	60863	97.32	669	9	0.01	62074	99.26
576	203	0.32	55931	89.44	623	47	0.08	60910	97.40	670	9	0.01	62083	99.28
577	197	0.32	56128	89.75	624	53	0.08	60963	97.48	671	15	0.02	62098	99.30
578	187	0.30	56315	90.05	625	37	0.06	61000	97.54	672	7	0.01	62105	99.31
579	162	0.26	56477	90.31	626	55	0.09	61055	97.63	673	39	0.06	62144	99.37
580	184	0.29	56661	90.61	627	37	0.06	61092	97.69	674	3	0.00	62147	99.38
581	172	0.28	56833	90.88	628	47	0.08	61139	97.77	675	41	0.07	62188	99.44
582	164	0.26	56997	91.14	629	39	0.06	61178	97.83	677	32	0.05	62220	99.49
583	163	0.26	57160	91.40	630	39	0.06	61217	97.89	678	2	0.00	62222	99.50

Table 170. Scale Score Distribution, Writing Grade 5 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %
681	2	0.00	62224	99.50
682	12	0.02	62236	99.52
683	4	0.01	62240	99.53
684	6	0.01	62246	99.54
685	12	0.02	62258	99.56
686	17	0.03	62275	99.58
688	3	0.00	62278	99.59
689	2	0.00	62280	99.59
690	3	0.00	62283	99.60
691	1	0.00	62284	99.60
694	3	0.00	62287	99.60
698	15	0.02	62302	99.63
700	7	0.01	62309	99.64
703	18	0.03	62327	99.67
706	17	0.03	62344	99.69
709	4	0.01	62348	99.70
710	26	0.04	62374	99.74
723	16	0.03	62390	99.77
727	35	0.06	62425	99.82
731	34	0.05	62459	99.88
780	77	0.12	62536	100.00

Table 171. Scale Score Distribution, Mathematics Grade 5

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
220	88	0.14	88	0.14	274	3	0.00	224	0.36	321	19	0.03	645	1.03
221	3	0.00	91	0.15	275	9	0.01	233	0.37	322	17	0.03	662	1.06
223	1	0.00	92	0.15	276	8	0.01	241	0.39	323	15	0.02	677	1.08
224	1	0.00	93	0.15	277	2	0.00	243	0.39	324	13	0.02	690	1.10
226	3	0.00	96	0.15	278	5	0.01	248	0.40	325	18	0.03	708	1.13
228	3	0.00	99	0.16	279	3	0.00	251	0.40	326	10	0.02	718	1.15
229	3	0.00	102	0.16	280	6	0.01	257	0.41	327	14	0.02	732	1.17
230	2	0.00	104	0.17	281	4	0.01	261	0.42	328	20	0.03	752	1.20
231	1	0.00	105	0.17	282	6	0.01	267	0.43	329	17	0.03	769	1.23
232	1	0.00	106	0.17	283	2	0.00	269	0.43	330	23	0.04	792	1.27
233	1	0.00	107	0.17	284	5	0.01	274	0.44	331	16	0.03	808	1.29
235	2	0.00	109	0.17	285	6	0.01	280	0.45	332	17	0.03	825	1.32
236	1	0.00	110	0.18	286	6	0.01	286	0.46	333	16	0.03	841	1.34
238	2	0.00	112	0.18	287	5	0.01	291	0.47	334	21	0.03	862	1.38
239	2	0.00	114	0.18	288	5	0.01	296	0.47	335	14	0.02	876	1.40
240	2	0.00	116	0.19	289	2	0.00	298	0.48	336	23	0.04	899	1.44
241	4	0.01	120	0.19	290	7	0.01	305	0.49	337	21	0.03	920	1.47
242	2	0.00	122	0.20	291	12	0.02	317	0.51	338	20	0.03	940	1.50
243	2	0.00	124	0.20	292	7	0.01	324	0.52	339	23	0.04	963	1.54
244	3	0.00	127	0.20	293	6	0.01	330	0.53	340	18	0.03	981	1.57
245	2	0.00	129	0.21	294	8	0.01	338	0.54	341	21	0.03	1002	1.60
246	3	0.00	132	0.21	295	7	0.01	345	0.55	342	24	0.04	1026	1.64
248	2	0.00	134	0.21	296	2	0.00	347	0.55	343	24	0.04	1050	1.68
250	3	0.00	137	0.22	297	8	0.01	355	0.57	344	33	0.05	1083	1.73
251	1	0.00	138	0.22	298	14	0.02	369	0.59	345	26	0.04	1109	1.77
252	3	0.00	141	0.23	299	7	0.01	376	0.60	346	24	0.04	1133	1.81
253	6	0.01	147	0.23	300	8	0.01	384	0.61	347	21	0.03	1154	1.84
254	1	0.00	148	0.24	301	11	0.02	395	0.63	348	30	0.05	1184	1.89
255	4	0.01	152	0.24	302	8	0.01	403	0.64	349	30	0.05	1214	1.94
256	3	0.00	155	0.25	303	11	0.02	414	0.66	350	28	0.04	1242	1.99
257	2	0.00	157	0.25	304	7	0.01	421	0.67	351	24	0.04	1266	2.02
258	1	0.00	158	0.25	305	8	0.01	429	0.69	352	25	0.04	1291	2.06
259	3	0.00	161	0.26	306	17	0.03	446	0.71	353	27	0.04	1318	2.11
260	4	0.01	165	0.26	307	8	0.01	454	0.73	354	30	0.05	1348	2.15
261	4	0.01	169	0.27	308	19	0.03	473	0.76	355	31	0.05	1379	2.20
262	6	0.01	175	0.28	309	6	0.01	479	0.77	356	27	0.04	1406	2.25
263	3	0.00	178	0.28	310	17	0.03	496	0.79	357	34	0.05	1440	2.30
264	4	0.01	182	0.29	311	5	0.01	501	0.80	358	30	0.05	1470	2.35
265	4	0.01	186	0.30	312	14	0.02	515	0.82	359	39	0.06	1509	2.41
266	3	0.00	189	0.30	313	11	0.02	526	0.84	360	37	0.06	1546	2.47
267	7	0.01	196	0.31	314	7	0.01	533	0.85	361	33	0.05	1579	2.52
268	4	0.01	200	0.32	315	14	0.02	547	0.87	362	47	0.08	1626	2.60
269	4	0.01	204	0.33	316	15	0.02	562	0.90	363	44	0.07	1670	2.67
270	7	0.01	211	0.34	317	14	0.02	576	0.92	364	49	0.08	1719	2.75
271	2	0.00	213	0.34	318	17	0.03	593	0.95	365	34	0.05	1753	2.80
272	5	0.01	218	0.35	319	14	0.02	607	0.97	366	42	0.07	1795	2.87
273	3	0.00	221	0.35	320	19	0.03	626	1.00	367	44	0.07	1839	2.94

Table 171. Scale Score Distribution, Mathematics Grade 5 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
368	39	0.06	1878	3.00	415	116	0.19	5354	8.56	462	211	0.34	13430	21.47
369	41	0.07	1919	3.07	416	97	0.16	5451	8.71	463	231	0.37	13661	21.84
370	37	0.06	1956	3.13	417	118	0.19	5569	8.90	464	266	0.43	13927	22.26
371	53	0.08	2009	3.21	418	126	0.20	5695	9.10	465	267	0.43	14194	22.69
372	43	0.07	2052	3.28	419	129	0.21	5824	9.31	466	270	0.43	14464	23.12
373	44	0.07	2096	3.35	420	118	0.19	5942	9.50	467	242	0.39	14706	23.51
374	63	0.10	2159	3.45	421	126	0.20	6068	9.70	468	258	0.41	14964	23.92
375	36	0.06	2195	3.51	422	124	0.20	6192	9.90	469	285	0.46	15249	24.37
376	70	0.11	2265	3.62	423	144	0.23	6336	10.13	470	232	0.37	15481	24.75
377	50	0.08	2315	3.70	424	133	0.21	6469	10.34	471	271	0.43	15752	25.18
378	55	0.09	2370	3.79	425	114	0.18	6583	10.52	472	252	0.40	16004	25.58
379	72	0.12	2442	3.90	426	134	0.21	6717	10.74	473	286	0.46	16290	26.04
380	43	0.07	2485	3.97	427	136	0.22	6853	10.95	474	281	0.45	16571	26.49
381	53	0.08	2538	4.06	428	141	0.23	6994	11.18	475	286	0.46	16857	26.94
382	62	0.10	2600	4.16	429	138	0.22	7132	11.40	476	265	0.42	17122	27.37
383	62	0.10	2662	4.26	430	138	0.22	7270	11.62	477	269	0.43	17391	27.80
384	50	0.08	2712	4.33	431	191	0.31	7461	11.93	478	235	0.38	17626	28.17
385	53	0.08	2765	4.42	432	158	0.25	7619	12.18	479	260	0.42	17886	28.59
386	65	0.10	2830	4.52	433	132	0.21	7751	12.39	480	285	0.46	18171	29.05
387	66	0.11	2896	4.63	434	151	0.24	7902	12.63	481	254	0.41	18425	29.45
388	70	0.11	2966	4.74	435	156	0.25	8058	12.88	482	304	0.49	18729	29.94
389	82	0.13	3048	4.87	436	173	0.28	8231	13.16	483	273	0.44	19002	30.37
390	55	0.09	3103	4.96	437	150	0.24	8381	13.40	484	295	0.47	19297	30.85
391	61	0.10	3164	5.06	438	161	0.26	8542	13.65	485	323	0.52	19620	31.36
392	82	0.13	3246	5.19	439	190	0.30	8732	13.96	486	306	0.49	19926	31.85
393	66	0.11	3312	5.29	440	182	0.29	8914	14.25	487	320	0.51	20246	32.36
394	76	0.12	3388	5.42	441	188	0.30	9102	14.55	488	306	0.49	20552	32.85
395	75	0.12	3463	5.54	442	195	0.31	9297	14.86	489	311	0.50	20863	33.35
396	88	0.14	3551	5.68	443	213	0.34	9510	15.20	490	309	0.49	21172	33.84
397	64	0.10	3615	5.78	444	179	0.29	9689	15.49	491	298	0.48	21470	34.32
398	85	0.14	3700	5.91	445	179	0.29	9868	15.77	492	317	0.51	21787	34.83
399	86	0.14	3786	6.05	446	181	0.29	10049	16.06	493	301	0.48	22088	35.31
400	88	0.14	3874	6.19	447	209	0.33	10258	16.40	494	342	0.55	22430	35.85
401	85	0.14	3959	6.33	448	208	0.33	10466	16.73	495	331	0.53	22761	36.38
402	78	0.12	4037	6.45	449	182	0.29	10648	17.02	496	358	0.57	23119	36.95
403	94	0.15	4131	6.60	450	205	0.33	10853	17.35	497	347	0.55	23466	37.51
404	76	0.12	4207	6.72	451	192	0.31	11045	17.65	498	309	0.49	23775	38.00
405	94	0.15	4301	6.87	452	205	0.33	11250	17.98	499	329	0.53	24104	38.53
406	97	0.16	4398	7.03	453	218	0.35	11468	18.33	500	321	0.51	24425	39.04
407	90	0.14	4488	7.17	454	199	0.32	11667	18.65	501	331	0.53	24756	39.57
408	108	0.17	4596	7.35	455	187	0.30	11854	18.95	502	320	0.51	25076	40.08
409	112	0.18	4708	7.53	456	238	0.38	12092	19.33	503	326	0.52	25402	40.60
410	99	0.16	4807	7.68	457	244	0.39	12336	19.72	504	300	0.48	25702	41.08
411	100	0.16	4907	7.84	458	196	0.31	12532	20.03	505	291	0.47	25993	41.55
412	96	0.15	5003	8.00	459	219	0.35	12751	20.38	506	319	0.51	26312	42.06
413	108	0.17	5111	8.17	460	213	0.34	12964	20.72	507	348	0.56	26660	42.61
414	127	0.20	5238	8.37	461	255	0.41	13219	21.13	508	339	0.54	26999	43.16

Table 171. Scale Score Distribution, Mathematics Grade 5 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
509	374	0.60	27373	43.75	556	336	0.54	43360	69.31	603	160	0.26	55189	88.22
510	355	0.57	27728	44.32	557	294	0.47	43654	69.78	604	168	0.27	55357	88.48
511	344	0.55	28072	44.87	558	308	0.49	43962	70.27	605	191	0.31	55548	88.79
512	337	0.54	28409	45.41	559	286	0.46	44248	70.73	606	178	0.28	55726	89.07
513	365	0.58	28774	45.99	560	309	0.49	44557	71.22	607	158	0.25	55884	89.33
514	326	0.52	29100	46.51	561	293	0.47	44850	71.69	608	169	0.27	56053	89.60
515	339	0.54	29439	47.06	562	297	0.47	45147	72.16	609	156	0.25	56209	89.85
516	331	0.53	29770	47.59	563	298	0.48	45445	72.64	610	181	0.29	56390	90.14
517	364	0.58	30134	48.17	564	280	0.45	45725	73.09	611	143	0.23	56533	90.36
518	334	0.53	30468	48.70	565	277	0.44	46002	73.53	612	155	0.25	56688	90.61
519	326	0.52	30794	49.22	566	273	0.44	46275	73.97	613	165	0.26	56853	90.88
520	358	0.57	31152	49.79	567	330	0.53	46605	74.50	614	163	0.26	57016	91.14
521	359	0.57	31511	50.37	568	288	0.46	46893	74.96	615	135	0.22	57151	91.35
522	366	0.59	31877	50.95	569	266	0.43	47159	75.38	616	139	0.22	57290	91.57
523	343	0.55	32220	51.50	570	295	0.47	47454	75.85	617	157	0.25	57447	91.83
524	339	0.54	32559	52.04	571	283	0.45	47737	76.30	618	117	0.19	57564	92.01
525	357	0.57	32916	52.61	572	271	0.43	48008	76.74	619	143	0.23	57707	92.24
526	350	0.56	33266	53.17	573	311	0.50	48319	77.24	620	131	0.21	57838	92.45
527	339	0.54	33605	53.72	574	273	0.44	48592	77.67	621	138	0.22	57976	92.67
528	367	0.59	33972	54.30	575	273	0.44	48865	78.11	622	144	0.23	58120	92.90
529	328	0.52	34300	54.83	576	284	0.45	49149	78.56	623	115	0.18	58235	93.09
530	338	0.54	34638	55.37	577	263	0.42	49412	78.98	624	122	0.20	58357	93.28
531	334	0.53	34972	55.90	578	242	0.39	49654	79.37	625	109	0.17	58466	93.45
532	359	0.57	35331	56.47	579	233	0.37	49887	79.74	626	131	0.21	58597	93.66
533	337	0.54	35668	57.01	580	232	0.37	50119	80.11	627	100	0.16	58697	93.82
534	324	0.52	35992	57.53	581	239	0.38	50358	80.49	628	125	0.20	58822	94.02
535	343	0.55	36335	58.08	582	279	0.45	50637	80.94	629	101	0.16	58923	94.18
536	327	0.52	36662	58.60	583	244	0.39	50881	81.33	630	94	0.15	59017	94.34
537	342	0.55	37004	59.15	584	231	0.37	51112	81.70	631	96	0.15	59113	94.49
538	323	0.52	37327	59.66	585	257	0.41	51369	82.11	632	106	0.17	59219	94.66
539	330	0.53	37657	60.19	586	244	0.39	51613	82.50	633	95	0.15	59314	94.81
540	328	0.52	37985	60.72	587	257	0.41	51870	82.91	634	82	0.13	59396	94.94
541	323	0.52	38308	61.23	588	223	0.36	52093	83.27	635	86	0.14	59482	95.08
542	364	0.58	38672	61.81	589	215	0.34	52308	83.61	636	87	0.14	59569	95.22
543	310	0.50	38982	62.31	590	210	0.34	52518	83.95	637	109	0.17	59678	95.39
544	355	0.57	39337	62.88	591	230	0.37	52748	84.31	638	91	0.15	59769	95.54
545	324	0.52	39661	63.40	592	207	0.33	52955	84.65	639	71	0.11	59840	95.65
546	346	0.55	40007	63.95	593	194	0.31	53149	84.96	640	75	0.12	59915	95.77
547	302	0.48	40309	64.43	594	209	0.33	53358	85.29	641	89	0.14	60004	95.91
548	332	0.53	40641	64.96	595	236	0.38	53594	85.67	642	71	0.11	60075	96.03
549	353	0.56	40994	65.53	596	214	0.34	53808	86.01	643	79	0.13	60154	96.15
550	353	0.56	41347	66.09	597	215	0.34	54023	86.35	644	79	0.13	60233	96.28
551	328	0.52	41675	66.61	598	199	0.32	54222	86.67	645	75	0.12	60308	96.40
552	342	0.55	42017	67.16	599	189	0.30	54411	86.97	646	79	0.13	60387	96.52
553	345	0.55	42362	67.71	600	205	0.33	54616	87.30	647	68	0.11	60455	96.63
554	332	0.53	42694	68.24	601	215	0.34	54831	87.64	648	70	0.11	60525	96.75
555	330	0.53	43024	68.77	602	198	0.32	55029	87.96	649	75	0.12	60600	96.87

Table 171. Scale Score Distribution, Mathematics Grade 5 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
650	46	0.07	60646	96.94	697	11	0.02	62121	99.30	747	4	0.01	62434	99.80
651	67	0.11	60713	97.05	698	16	0.03	62137	99.32	748	2	0.00	62436	99.80
652	57	0.09	60770	97.14	699	10	0.02	62147	99.34	749	1	0.00	62437	99.80
653	48	0.08	60818	97.21	700	8	0.01	62155	99.35	751	1	0.00	62438	99.80
654	61	0.10	60879	97.31	701	11	0.02	62166	99.37	753	2	0.00	62440	99.81
655	55	0.09	60934	97.40	702	15	0.02	62181	99.39	754	5	0.01	62445	99.81
656	64	0.10	60998	97.50	703	9	0.01	62190	99.41	755	6	0.01	62451	99.82
657	45	0.07	61043	97.57	704	6	0.01	62196	99.42	756	1	0.00	62452	99.83
658	43	0.07	61086	97.64	705	4	0.01	62200	99.42	758	3	0.00	62455	99.83
659	48	0.08	61134	97.72	706	12	0.02	62212	99.44	760	5	0.01	62460	99.84
660	41	0.07	61175	97.78	707	15	0.02	62227	99.47	765	1	0.00	62461	99.84
661	52	0.08	61227	97.87	708	4	0.01	62231	99.47	767	22	0.04	62483	99.88
662	37	0.06	61264	97.93	709	2	0.00	62233	99.48	768	2	0.00	62485	99.88
663	56	0.09	61320	98.02	710	5	0.01	62238	99.48	770	2	0.00	62487	99.88
664	38	0.06	61358	98.08	711	8	0.01	62246	99.50	771	10	0.02	62497	99.90
665	34	0.05	61392	98.13	712	10	0.02	62256	99.51	772	3	0.00	62500	99.90
666	34	0.05	61426	98.19	713	19	0.03	62275	99.54	777	1	0.00	62501	99.90
667	31	0.05	61457	98.24	714	5	0.01	62280	99.55	784	7	0.01	62508	99.92
668	35	0.06	61492	98.29	715	12	0.02	62292	99.57	800	53	0.08	62561	100.00
669	26	0.04	61518	98.33	716	6	0.01	62298	99.58					
670	35	0.06	61553	98.39	717	2	0.00	62300	99.58					
671	33	0.05	61586	98.44	718	14	0.02	62314	99.61					
672	26	0.04	61612	98.48	719	5	0.01	62319	99.61					
673	45	0.07	61657	98.56	720	9	0.01	62328	99.63					
674	23	0.04	61680	98.59	721	7	0.01	62335	99.64					
675	29	0.05	61709	98.64	722	1	0.00	62336	99.64					
676	33	0.05	61742	98.69	723	8	0.01	62344	99.65					
677	11	0.02	61753	98.71	724	9	0.01	62353	99.67					
678	26	0.04	61779	98.75	725	7	0.01	62360	99.68					
679	21	0.03	61800	98.78	726	15	0.02	62375	99.70					
680	19	0.03	61819	98.81	727	3	0.00	62378	99.71					
681	31	0.05	61850	98.86	728	3	0.00	62381	99.71					
682	23	0.04	61873	98.90	729	6	0.01	62387	99.72					
683	16	0.03	61889	98.93	730	1	0.00	62388	99.72					
684	8	0.01	61897	98.94	731	2	0.00	62390	99.73					
685	24	0.04	61921	98.98	732	7	0.01	62397	99.74					
686	23	0.04	61944	99.01	733	2	0.00	62399	99.74					
687	20	0.03	61964	99.05	734	1	0.00	62400	99.74					
688	15	0.02	61979	99.07	735	1	0.00	62401	99.74					
689	22	0.04	62001	99.10	736	8	0.01	62409	99.76					
690	15	0.02	62016	99.13	738	2	0.00	62411	99.76					
691	11	0.02	62027	99.15	739	1	0.00	62412	99.76					
692	16	0.03	62043	99.17	740	4	0.01	62416	99.77					
693	19	0.03	62062	99.20	742	2	0.00	62418	99.77					
694	20	0.03	62082	99.23	743	3	0.00	62421	99.78					
695	11	0.02	62093	99.25	745	8	0.01	62429	99.79					
696	17	0.03	62110	99.28	746	1	0.00	62430	99.79					

Table 172. Scale Score Distribution, Science Grade 5

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
300	548	0.88	548	0.88	347	33	0.05	1517	2.42	394	96	0.15	4390	7.01
301	15	0.02	563	0.90	348	31	0.05	1548	2.47	395	102	0.16	4492	7.18
302	10	0.02	573	0.92	349	38	0.06	1586	2.53	396	104	0.17	4596	7.34
303	16	0.03	589	0.94	350	44	0.07	1630	2.60	397	93	0.15	4689	7.49
304	15	0.02	604	0.96	351	47	0.08	1677	2.68	398	102	0.16	4791	7.65
305	10	0.02	614	0.98	352	38	0.06	1715	2.74	399	107	0.17	4898	7.83
306	15	0.02	629	1.00	353	31	0.05	1746	2.79	400	127	0.20	5025	8.03
307	17	0.03	646	1.03	354	43	0.07	1789	2.86	401	110	0.18	5135	8.20
308	11	0.02	657	1.05	355	38	0.06	1827	2.92	402	113	0.18	5248	8.38
309	15	0.02	672	1.07	356	30	0.05	1857	2.97	403	131	0.21	5379	8.59
310	15	0.02	687	1.10	357	46	0.07	1903	3.04	404	124	0.20	5503	8.79
311	10	0.02	697	1.11	358	50	0.08	1953	3.12	405	111	0.18	5614	8.97
312	15	0.02	712	1.14	359	60	0.10	2013	3.22	406	127	0.20	5741	9.17
313	19	0.03	731	1.17	360	47	0.08	2060	3.29	407	125	0.20	5866	9.37
314	12	0.02	743	1.19	361	54	0.09	2114	3.38	408	124	0.20	5990	9.57
315	17	0.03	760	1.21	362	58	0.09	2172	3.47	409	132	0.21	6122	9.78
316	16	0.03	776	1.24	363	50	0.08	2222	3.55	410	131	0.21	6253	9.99
317	14	0.02	790	1.26	364	45	0.07	2267	3.62	411	133	0.21	6386	10.20
318	15	0.02	805	1.29	365	61	0.10	2328	3.72	412	118	0.19	6504	10.39
319	18	0.03	823	1.31	366	42	0.07	2370	3.79	413	140	0.22	6644	10.61
320	22	0.04	845	1.35	367	54	0.09	2424	3.87	414	138	0.22	6782	10.83
321	23	0.04	868	1.39	368	54	0.09	2478	3.96	415	171	0.27	6953	11.11
322	24	0.04	892	1.43	369	56	0.09	2534	4.05	416	154	0.25	7107	11.35
323	22	0.04	914	1.46	370	66	0.11	2600	4.15	417	160	0.26	7267	11.61
324	23	0.04	937	1.50	371	57	0.09	2657	4.24	418	133	0.21	7400	11.82
325	24	0.04	961	1.54	372	67	0.11	2724	4.35	419	169	0.27	7569	12.09
326	29	0.05	990	1.58	373	66	0.11	2790	4.46	420	167	0.27	7736	12.36
327	19	0.03	1009	1.61	374	58	0.09	2848	4.55	421	157	0.25	7893	12.61
328	18	0.03	1027	1.64	375	54	0.09	2902	4.64	422	174	0.28	8067	12.89
329	24	0.04	1051	1.68	376	65	0.10	2967	4.74	423	171	0.27	8238	13.16
330	18	0.03	1069	1.71	377	57	0.09	3024	4.83	424	152	0.24	8390	13.40
331	26	0.04	1095	1.75	378	67	0.11	3091	4.94	425	179	0.29	8569	13.69
332	17	0.03	1112	1.78	379	63	0.10	3154	5.04	426	161	0.26	8730	13.95
333	23	0.04	1135	1.81	380	80	0.13	3234	5.17	427	185	0.30	8915	14.24
334	25	0.04	1160	1.85	381	66	0.11	3300	5.27	428	193	0.31	9108	14.55
335	16	0.03	1176	1.88	382	75	0.12	3375	5.39	429	181	0.29	9289	14.84
336	26	0.04	1202	1.92	383	68	0.11	3443	5.50	430	176	0.28	9465	15.12
337	29	0.05	1231	1.97	384	84	0.13	3527	5.63	431	205	0.33	9670	15.45
338	28	0.04	1259	2.01	385	67	0.11	3594	5.74	432	175	0.28	9845	15.73
339	23	0.04	1282	2.05	386	91	0.15	3685	5.89	433	190	0.30	10035	16.03
340	30	0.05	1312	2.10	387	68	0.11	3753	6.00	434	185	0.30	10220	16.33
341	29	0.05	1341	2.14	388	92	0.15	3845	6.14	435	202	0.32	10422	16.65
342	28	0.04	1369	2.19	389	84	0.13	3929	6.28	436	208	0.33	10630	16.98
343	27	0.04	1396	2.23	390	100	0.16	4029	6.44	437	217	0.35	10847	17.33
344	33	0.05	1429	2.28	391	91	0.15	4120	6.58	438	204	0.33	11051	17.66
345	31	0.05	1460	2.33	392	76	0.12	4196	6.70	439	206	0.33	11257	17.98
346	24	0.04	1484	2.37	393	98	0.16	4294	6.86	440	211	0.34	11468	18.32

Table 172. Scale Score Distribution, Science Grade 5 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
441	220	0.35	11688	18.67	488	362	0.58	25198	40.26	535	364	0.58	42946	68.61
442	221	0.35	11909	19.03	489	400	0.64	25598	40.90	536	419	0.67	43365	69.28
443	202	0.32	12111	19.35	490	371	0.59	25969	41.49	537	370	0.59	43735	69.87
444	230	0.37	12341	19.72	491	363	0.58	26332	42.07	538	331	0.53	44066	70.40
445	242	0.39	12583	20.10	492	309	0.49	26641	42.56	539	393	0.63	44459	71.03
446	247	0.39	12830	20.50	493	344	0.55	26985	43.11	540	360	0.58	44819	71.60
447	236	0.38	13066	20.87	494	334	0.53	27319	43.64	541	334	0.53	45153	72.14
448	237	0.38	13303	21.25	495	416	0.66	27735	44.31	542	358	0.57	45511	72.71
449	242	0.39	13545	21.64	496	363	0.58	28098	44.89	543	382	0.61	45893	73.32
450	237	0.38	13782	22.02	497	347	0.55	28445	45.44	544	365	0.58	46258	73.90
451	260	0.42	14042	22.43	498	391	0.62	28836	46.07	545	339	0.54	46597	74.44
452	270	0.43	14312	22.86	499	366	0.58	29202	46.65	546	344	0.55	46941	74.99
453	242	0.39	14554	23.25	500	383	0.61	29585	47.26	547	367	0.59	47308	75.58
454	260	0.42	14814	23.67	501	386	0.62	29971	47.88	548	348	0.56	47656	76.14
455	263	0.42	15077	24.09	502	348	0.56	30319	48.44	549	342	0.55	47998	76.68
456	241	0.39	15318	24.47	503	350	0.56	30669	49.00	550	360	0.58	48358	77.26
457	277	0.44	15595	24.91	504	381	0.61	31050	49.61	551	301	0.48	48659	77.74
458	279	0.45	15874	25.36	505	377	0.60	31427	50.21	552	351	0.56	49010	78.30
459	291	0.46	16165	25.83	506	347	0.55	31774	50.76	553	329	0.53	49339	78.82
460	281	0.45	16446	26.27	507	356	0.57	32130	51.33	554	309	0.49	49648	79.32
461	278	0.44	16724	26.72	508	400	0.64	32530	51.97	555	313	0.50	49961	79.82
462	268	0.43	16992	27.15	509	367	0.59	32897	52.56	556	333	0.53	50294	80.35
463	294	0.47	17286	27.62	510	387	0.62	33284	53.17	557	306	0.49	50600	80.84
464	276	0.44	17562	28.06	511	397	0.63	33681	53.81	558	331	0.53	50931	81.37
465	261	0.42	17823	28.47	512	387	0.62	34068	54.43	559	289	0.46	51220	81.83
466	306	0.49	18129	28.96	513	369	0.59	34437	55.02	560	297	0.47	51517	82.30
467	290	0.46	18419	29.43	514	372	0.59	34809	55.61	561	331	0.53	51848	82.83
468	316	0.50	18735	29.93	515	390	0.62	35199	56.23	562	291	0.46	52139	83.30
469	322	0.51	19057	30.45	516	391	0.62	35590	56.86	563	298	0.48	52437	83.77
470	322	0.51	19379	30.96	517	377	0.60	35967	57.46	564	316	0.50	52753	84.28
471	274	0.44	19653	31.40	518	412	0.66	36379	58.12	565	275	0.44	53028	84.72
472	269	0.43	19922	31.83	519	380	0.61	36759	58.73	566	264	0.42	53292	85.14
473	301	0.48	20223	32.31	520	380	0.61	37139	59.33	567	264	0.42	53556	85.56
474	286	0.46	20509	32.77	521	369	0.59	37508	59.92	568	297	0.47	53853	86.04
475	307	0.49	20816	33.26	522	387	0.62	37895	60.54	569	277	0.44	54130	86.48
476	359	0.57	21175	33.83	523	436	0.70	38331	61.24	570	253	0.40	54383	86.88
477	302	0.48	21477	34.31	524	408	0.65	38739	61.89	571	254	0.41	54637	87.29
478	295	0.47	21772	34.78	525	405	0.65	39144	62.54	572	280	0.45	54917	87.74
479	328	0.52	22100	35.31	526	406	0.65	39550	63.18	573	228	0.36	55145	88.10
480	337	0.54	22437	35.85	527	387	0.62	39937	63.80	574	258	0.41	55403	88.51
481	319	0.51	22756	36.35	528	412	0.66	40349	64.46	575	223	0.36	55626	88.87
482	349	0.56	23105	36.91	529	364	0.58	40713	65.04	576	234	0.37	55860	89.24
483	337	0.54	23442	37.45	530	391	0.62	41104	65.67	577	207	0.33	56067	89.57
484	336	0.54	23778	37.99	531	355	0.57	41459	66.23	578	217	0.35	56284	89.92
485	366	0.58	24144	38.57	532	330	0.53	41789	66.76	579	208	0.33	56492	90.25
486	351	0.56	24495	39.13	533	392	0.63	42181	67.39	580	215	0.34	56707	90.59
487	341	0.54	24836	39.68	534	401	0.64	42582	68.03	581	214	0.34	56921	90.94

Table 172. Scale Score Distribution, Science Grade 5 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
582	186	0.30	57107	91.23	629	35	0.06	61952	98.97	676	3	0.00	62551	99.93
583	187	0.30	57294	91.53	630	37	0.06	61989	99.03	678	2	0.00	62553	99.93
584	186	0.30	57480	91.83	631	40	0.06	62029	99.10	679	1	0.00	62554	99.94
585	191	0.31	57671	92.14	632	19	0.03	62048	99.13	680	3	0.00	62557	99.94
586	174	0.28	57845	92.41	633	28	0.04	62076	99.17	681	3	0.00	62560	99.95
587	183	0.29	58028	92.71	634	28	0.04	62104	99.22	682	2	0.00	62562	99.95
588	188	0.30	58216	93.01	635	19	0.03	62123	99.25	683	1	0.00	62563	99.95
589	156	0.25	58372	93.25	636	33	0.05	62156	99.30	684	3	0.00	62566	99.96
590	164	0.26	58536	93.52	637	27	0.04	62183	99.34	685	1	0.00	62567	99.96
591	157	0.25	58693	93.77	638	14	0.02	62197	99.37	686	2	0.00	62569	99.96
592	143	0.23	58836	94.00	639	15	0.02	62212	99.39	687	1	0.00	62570	99.96
593	150	0.24	58986	94.24	640	18	0.03	62230	99.42	689	3	0.00	62573	99.97
594	135	0.22	59121	94.45	641	25	0.04	62255	99.46	691	1	0.00	62574	99.97
595	141	0.23	59262	94.68	642	17	0.03	62272	99.49	692	1	0.00	62575	99.97
596	155	0.25	59417	94.92	643	19	0.03	62291	99.52	693	1	0.00	62576	99.97
597	133	0.21	59550	95.14	644	25	0.04	62316	99.56	694	1	0.00	62577	99.97
598	128	0.20	59678	95.34	645	15	0.02	62331	99.58	696	1	0.00	62578	99.97
599	148	0.24	59826	95.58	646	12	0.02	62343	99.60	698	2	0.00	62580	99.98
600	125	0.20	59951	95.78	647	14	0.02	62357	99.62	699	1	0.00	62581	99.98
601	126	0.20	60077	95.98	648	20	0.03	62377	99.65	702	1	0.00	62582	99.98
602	102	0.16	60179	96.14	649	8	0.01	62385	99.67	703	3	0.00	62585	99.99
603	118	0.19	60297	96.33	650	10	0.02	62395	99.68	706	1	0.00	62586	99.99
604	80	0.13	60377	96.46	651	5	0.01	62400	99.69	707	3	0.00	62589	99.99
605	91	0.15	60468	96.60	652	9	0.01	62409	99.70	712	1	0.00	62590	99.99
606	97	0.15	60565	96.76	653	12	0.02	62421	99.72	718	1	0.00	62591	100.00
607	90	0.14	60655	96.90	654	14	0.02	62435	99.75	720	1	0.00	62592	100.00
608	83	0.13	60738	97.03	655	5	0.01	62440	99.75	722	1	0.00	62593	100.00
609	81	0.13	60819	97.16	656	12	0.02	62452	99.77	741	1	0.00	62594	100.00
610	73	0.12	60892	97.28	657	7	0.01	62459	99.78					
611	84	0.13	60976	97.42	658	8	0.01	62467	99.80					
612	61	0.10	61037	97.51	659	10	0.02	62477	99.81					
613	75	0.12	61112	97.63	660	6	0.01	62483	99.82					
614	59	0.09	61171	97.73	661	6	0.01	62489	99.83					
615	79	0.13	61250	97.85	662	6	0.01	62495	99.84					
616	81	0.13	61331	97.98	663	7	0.01	62502	99.85					
617	58	0.09	61389	98.07	664	6	0.01	62508	99.86					
618	63	0.10	61452	98.18	665	6	0.01	62514	99.87					
619	47	0.08	61499	98.25	666	4	0.01	62518	99.88					
620	49	0.08	61548	98.33	667	4	0.01	62522	99.88					
621	50	0.08	61598	98.41	668	4	0.01	62526	99.89					
622	51	0.08	61649	98.49	669	2	0.00	62528	99.89					
623	47	0.08	61696	98.57	670	5	0.01	62533	99.90					
624	54	0.09	61750	98.65	671	7	0.01	62540	99.91					
625	42	0.07	61792	98.72	672	2	0.00	62542	99.92					
626	38	0.06	61830	98.78	673	2	0.00	62544	99.92					
627	42	0.07	61872	98.85	674	2	0.00	62546	99.92					
628	45	0.07	61917	98.92	675	2	0.00	62548	99.93					

Table 173. Scale Score Distribution, Reading Grade 6

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
260	262	0.42	262	0.42	402	1	0.00	349	0.56	449	14	0.02	670	1.08
284	1	0.00	263	0.43	403	1	0.00	350	0.57	450	14	0.02	684	1.11
303	1	0.00	264	0.43	404	7	0.01	357	0.58	451	14	0.02	698	1.13
308	1	0.00	265	0.43	405	5	0.01	362	0.59	452	19	0.03	717	1.16
310	1	0.00	266	0.43	406	6	0.01	368	0.60	453	14	0.02	731	1.18
321	1	0.00	267	0.43	407	6	0.01	374	0.61	454	25	0.04	756	1.22
327	1	0.00	268	0.43	408	1	0.00	375	0.61	455	15	0.02	771	1.25
331	1	0.00	269	0.44	409	2	0.00	377	0.61	456	15	0.02	786	1.27
333	1	0.00	270	0.44	410	3	0.00	380	0.62	457	13	0.02	799	1.29
334	1	0.00	271	0.44	411	5	0.01	385	0.62	458	15	0.02	814	1.32
340	1	0.00	272	0.44	412	5	0.01	390	0.63	459	23	0.04	837	1.35
342	1	0.00	273	0.44	413	4	0.01	394	0.64	460	20	0.03	857	1.39
345	1	0.00	274	0.44	414	2	0.00	396	0.64	461	15	0.02	872	1.41
350	1	0.00	275	0.45	415	4	0.01	400	0.65	462	21	0.03	893	1.45
351	1	0.00	276	0.45	416	3	0.00	403	0.65	463	27	0.04	920	1.49
353	1	0.00	277	0.45	417	2	0.00	405	0.66	464	16	0.03	936	1.52
355	1	0.00	278	0.45	418	2	0.00	407	0.66	465	20	0.03	956	1.55
356	2	0.00	280	0.45	419	4	0.01	411	0.67	466	18	0.03	974	1.58
357	1	0.00	281	0.45	420	1	0.00	412	0.67	467	24	0.04	998	1.62
359	1	0.00	282	0.46	421	2	0.00	414	0.67	468	19	0.03	1017	1.65
362	3	0.00	285	0.46	422	3	0.00	417	0.67	469	21	0.03	1038	1.68
366	1	0.00	286	0.46	423	9	0.01	426	0.69	470	22	0.04	1060	1.72
367	1	0.00	287	0.46	424	6	0.01	432	0.70	471	24	0.04	1084	1.75
370	3	0.00	290	0.47	425	7	0.01	439	0.71	472	19	0.03	1103	1.79
371	3	0.00	293	0.47	426	4	0.01	443	0.72	473	24	0.04	1127	1.82
372	1	0.00	294	0.48	427	6	0.01	449	0.73	474	27	0.04	1154	1.87
375	1	0.00	295	0.48	428	7	0.01	456	0.74	475	23	0.04	1177	1.91
377	2	0.00	297	0.48	429	8	0.01	464	0.75	476	25	0.04	1202	1.95
379	4	0.01	301	0.49	430	14	0.02	478	0.77	477	35	0.06	1237	2.00
380	2	0.00	303	0.49	431	8	0.01	486	0.79	478	30	0.05	1267	2.05
381	3	0.00	306	0.50	432	8	0.01	494	0.80	479	33	0.05	1300	2.10
384	1	0.00	307	0.50	433	12	0.02	506	0.82	480	25	0.04	1325	2.14
385	4	0.01	311	0.50	434	7	0.01	513	0.83	481	31	0.05	1356	2.19
386	2	0.00	313	0.51	435	8	0.01	521	0.84	482	35	0.06	1391	2.25
387	3	0.00	316	0.51	436	5	0.01	526	0.85	483	35	0.06	1426	2.31
388	2	0.00	318	0.51	437	13	0.02	539	0.87	484	43	0.07	1469	2.38
390	2	0.00	320	0.52	438	13	0.02	552	0.89	485	35	0.06	1504	2.43
391	2	0.00	322	0.52	439	11	0.02	563	0.91	486	36	0.06	1540	2.49
392	3	0.00	325	0.53	440	5	0.01	568	0.92	487	29	0.05	1569	2.54
393	1	0.00	326	0.53	441	8	0.01	576	0.93	488	40	0.06	1609	2.60
394	2	0.00	328	0.53	442	11	0.02	587	0.95	489	41	0.07	1650	2.67
395	2	0.00	330	0.53	443	8	0.01	595	0.96	490	43	0.07	1693	2.74
396	3	0.00	333	0.54	444	15	0.02	610	0.99	491	52	0.08	1745	2.82
397	3	0.00	336	0.54	445	14	0.02	624	1.01	492	34	0.06	1779	2.88
398	4	0.01	340	0.55	446	8	0.01	632	1.02	493	37	0.06	1816	2.94
399	2	0.00	342	0.55	447	11	0.02	643	1.04	494	38	0.06	1854	3.00
400	6	0.01	348	0.56	448	13	0.02	656	1.06	495	39	0.06	1893	3.06

Table 173. Scale Score Distribution, Reading Grade 6 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
496	49	0.08	1942	3.14	543	119	0.19	5387	8.72	590	269	0.44	13802	22.34
497	44	0.07	1986	3.21	544	109	0.18	5496	8.90	591	282	0.46	14084	22.80
498	45	0.07	2031	3.29	545	109	0.18	5605	9.07	592	298	0.48	14382	23.28
499	44	0.07	2075	3.36	546	114	0.18	5719	9.26	593	288	0.47	14670	23.74
500	42	0.07	2117	3.43	547	139	0.22	5858	9.48	594	274	0.44	14944	24.19
501	43	0.07	2160	3.50	548	113	0.18	5971	9.66	595	280	0.45	15224	24.64
502	53	0.09	2213	3.58	549	129	0.21	6100	9.87	596	299	0.48	15523	25.13
503	62	0.10	2275	3.68	550	100	0.16	6200	10.04	597	309	0.50	15832	25.63
504	64	0.10	2339	3.79	551	138	0.22	6338	10.26	598	285	0.46	16117	26.09
505	41	0.07	2380	3.85	552	122	0.20	6460	10.46	599	300	0.49	16417	26.57
506	55	0.09	2435	3.94	553	111	0.18	6571	10.64	600	315	0.51	16732	27.08
507	51	0.08	2486	4.02	554	153	0.25	6724	10.88	601	319	0.52	17051	27.60
508	60	0.10	2546	4.12	555	136	0.22	6860	11.10	602	319	0.52	17370	28.11
509	69	0.11	2615	4.23	556	120	0.19	6980	11.30	603	334	0.54	17704	28.66
510	62	0.10	2677	4.33	557	139	0.22	7119	11.52	604	347	0.56	18051	29.22
511	68	0.11	2745	4.44	558	146	0.24	7265	11.76	605	308	0.50	18359	29.72
512	53	0.09	2798	4.53	559	144	0.23	7409	11.99	606	351	0.57	18710	30.28
513	52	0.08	2850	4.61	560	156	0.25	7565	12.24	607	345	0.56	19055	30.84
514	65	0.11	2915	4.72	561	166	0.27	7731	12.51	608	333	0.54	19388	31.38
515	55	0.09	2970	4.81	562	179	0.29	7910	12.80	609	383	0.62	19771	32.00
516	58	0.09	3028	4.90	563	150	0.24	8060	13.05	610	342	0.55	20113	32.55
517	66	0.11	3094	5.01	564	174	0.28	8234	13.33	611	406	0.66	20519	33.21
518	62	0.10	3156	5.11	565	158	0.26	8392	13.58	612	340	0.55	20859	33.76
519	74	0.12	3230	5.23	566	171	0.28	8563	13.86	613	382	0.62	21241	34.38
520	79	0.13	3309	5.36	567	184	0.30	8747	14.16	614	344	0.56	21585	34.94
521	79	0.13	3388	5.48	568	167	0.27	8914	14.43	615	400	0.65	21985	35.58
522	74	0.12	3462	5.60	569	184	0.30	9098	14.73	616	399	0.65	22384	36.23
523	72	0.12	3534	5.72	570	170	0.28	9268	15.00	617	385	0.62	22769	36.85
524	78	0.13	3612	5.85	571	185	0.30	9453	15.30	618	375	0.61	23144	37.46
525	81	0.13	3693	5.98	572	164	0.27	9617	15.57	619	373	0.60	23517	38.06
526	85	0.14	3778	6.12	573	205	0.33	9822	15.90	620	399	0.65	23916	38.71
527	82	0.13	3860	6.25	574	195	0.32	10017	16.21	621	415	0.67	24331	39.38
528	77	0.12	3937	6.37	575	217	0.35	10234	16.56	622	409	0.66	24740	40.04
529	93	0.15	4030	6.52	576	216	0.35	10450	16.91	623	436	0.71	25176	40.75
530	91	0.15	4121	6.67	577	202	0.33	10652	17.24	624	463	0.75	25639	41.50
531	86	0.14	4207	6.81	578	214	0.35	10866	17.59	625	411	0.67	26050	42.16
532	78	0.13	4285	6.94	579	223	0.36	11089	17.95	626	448	0.73	26498	42.89
533	94	0.15	4379	7.09	580	244	0.39	11333	18.34	627	435	0.70	26933	43.59
534	95	0.15	4474	7.24	581	231	0.37	11564	18.72	628	432	0.70	27365	44.29
535	90	0.15	4564	7.39	582	223	0.36	11787	19.08	629	473	0.77	27838	45.06
536	100	0.16	4664	7.55	583	236	0.38	12023	19.46	630	397	0.64	28235	45.70
537	83	0.13	4747	7.68	584	226	0.37	12249	19.83	631	443	0.72	28678	46.42
538	89	0.14	4836	7.83	585	256	0.41	12505	20.24	632	401	0.65	29079	47.07
539	117	0.19	4953	8.02	586	244	0.39	12749	20.64	633	456	0.74	29535	47.81
540	103	0.17	5056	8.18	587	255	0.41	13004	21.05	634	470	0.76	30005	48.57
541	86	0.14	5142	8.32	588	278	0.45	13282	21.50	635	434	0.70	30439	49.27
542	126	0.20	5268	8.53	589	251	0.41	13533	21.90	636	461	0.75	30900	50.01

Table 173. Scale Score Distribution, Reading Grade 6 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
637	454	0.73	31354	50.75	684	311	0.50	51310	83.05	731	55	0.09	60403	97.77
638	423	0.68	31777	51.43	685	388	0.63	51698	83.68	732	80	0.13	60483	97.90
639	442	0.72	32219	52.15	686	329	0.53	52027	84.21	733	64	0.10	60547	98.00
640	455	0.74	32674	52.89	687	305	0.49	52332	84.70	734	73	0.12	60620	98.12
641	402	0.65	33076	53.54	688	304	0.49	52636	85.20	735	68	0.11	60688	98.23
642	450	0.73	33526	54.26	689	321	0.52	52957	85.72	736	56	0.09	60744	98.32
643	459	0.74	33985	55.01	690	300	0.49	53257	86.20	737	53	0.09	60797	98.41
644	454	0.73	34439	55.74	691	289	0.47	53546	86.67	738	46	0.07	60843	98.48
645	480	0.78	34919	56.52	692	274	0.44	53820	87.11	739	49	0.08	60892	98.56
646	447	0.72	35366	57.24	693	282	0.46	54102	87.57	740	51	0.08	60943	98.64
647	489	0.79	35855	58.03	694	260	0.42	54362	87.99	741	53	0.09	60996	98.73
648	438	0.71	36293	58.74	695	274	0.44	54636	88.43	742	32	0.05	61028	98.78
649	464	0.75	36757	59.49	696	301	0.49	54937	88.92	743	33	0.05	61061	98.83
650	433	0.70	37190	60.20	697	246	0.40	55183	89.32	744	47	0.08	61108	98.91
651	511	0.83	37701	61.02	698	259	0.42	55442	89.74	745	47	0.08	61155	98.99
652	480	0.78	38181	61.80	699	235	0.38	55677	90.12	746	34	0.06	61189	99.04
653	476	0.77	38657	62.57	700	232	0.38	55909	90.49	747	38	0.06	61227	99.10
654	483	0.78	39140	63.35	701	220	0.36	56129	90.85	748	34	0.06	61261	99.16
655	492	0.80	39632	64.15	702	239	0.39	56368	91.24	749	31	0.05	61292	99.21
656	448	0.73	40080	64.87	703	193	0.31	56561	91.55	750	28	0.05	61320	99.25
657	464	0.75	40544	65.62	704	220	0.36	56781	91.91	751	31	0.05	61351	99.30
658	465	0.75	41009	66.38	705	209	0.34	56990	92.24	752	31	0.05	61382	99.35
659	406	0.66	41415	67.03	706	205	0.33	57195	92.58	753	25	0.04	61407	99.39
660	434	0.70	41849	67.74	707	212	0.34	57407	92.92	754	15	0.02	61422	99.42
661	426	0.69	42275	68.43	708	185	0.30	57592	93.22	755	24	0.04	61446	99.46
662	460	0.74	42735	69.17	709	173	0.28	57765	93.50	756	14	0.02	61460	99.48
663	426	0.69	43161	69.86	710	191	0.31	57956	93.81	757	23	0.04	61483	99.52
664	435	0.70	43596	70.56	711	186	0.30	58142	94.11	758	14	0.02	61497	99.54
665	438	0.71	44034	71.27	712	160	0.26	58302	94.37	759	16	0.03	61513	99.56
666	421	0.68	44455	71.95	713	150	0.24	58452	94.61	760	17	0.03	61530	99.59
667	440	0.71	44895	72.67	714	165	0.27	58617	94.88	761	24	0.04	61554	99.63
668	423	0.68	45318	73.35	715	142	0.23	58759	95.11	762	12	0.02	61566	99.65
669	418	0.68	45736	74.03	716	135	0.22	58894	95.33	763	12	0.02	61578	99.67
670	412	0.67	46148	74.69	717	134	0.22	59028	95.54	764	4	0.01	61582	99.68
671	441	0.71	46589	75.41	718	138	0.22	59166	95.77	765	12	0.02	61594	99.70
672	398	0.64	46987	76.05	719	116	0.19	59282	95.95	766	15	0.02	61609	99.72
673	341	0.55	47328	76.60	720	101	0.16	59383	96.12	767	8	0.01	61617	99.73
674	403	0.65	47731	77.26	721	127	0.21	59510	96.32	768	10	0.02	61627	99.75
675	407	0.66	48138	77.92	722	131	0.21	59641	96.53	769	8	0.01	61635	99.76
676	393	0.64	48531	78.55	723	103	0.17	59744	96.70	770	7	0.01	61642	99.77
677	355	0.57	48886	79.13	724	102	0.17	59846	96.87	771	4	0.01	61646	99.78
678	349	0.56	49235	79.69	725	83	0.13	59929	97.00	772	11	0.02	61657	99.80
679	354	0.57	49589	80.26	726	98	0.16	60027	97.16	773	7	0.01	61664	99.81
680	355	0.57	49944	80.84	727	79	0.13	60106	97.29	774	5	0.01	61669	99.82
681	379	0.61	50323	81.45	728	77	0.12	60183	97.41	775	7	0.01	61676	99.83
682	331	0.54	50654	81.99	729	80	0.13	60263	97.54	776	6	0.01	61682	99.84
683	345	0.56	50999	82.55	730	85	0.14	60348	97.68	777	6	0.01	61688	99.85

Table 173. Scale Score Distribution, Reading Grade 6 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %
778	5	0.01	61693	99.86
779	4	0.01	61697	99.86
780	4	0.01	61701	99.87
781	3	0.00	61704	99.87
782	2	0.00	61706	99.88
783	6	0.01	61712	99.89
784	5	0.01	61717	99.89
785	5	0.01	61722	99.90
786	1	0.00	61723	99.90
787	4	0.01	61727	99.91
788	1	0.00	61728	99.91
789	6	0.01	61734	99.92
790	3	0.00	61737	99.93
791	7	0.01	61744	99.94
792	1	0.00	61745	99.94
793	2	0.00	61747	99.94
794	3	0.00	61750	99.95
795	1	0.00	61751	99.95
796	3	0.00	61754	99.95
797	1	0.00	61755	99.96
798	3	0.00	61758	99.96
799	1	0.00	61759	99.96
801	2	0.00	61761	99.97
802	1	0.00	61762	99.97
804	3	0.00	61765	99.97
805	2	0.00	61767	99.98
806	1	0.00	61768	99.98
807	2	0.00	61770	99.98
810	1	0.00	61771	99.98
812	1	0.00	61772	99.98
815	1	0.00	61773	99.99
819	1	0.00	61774	99.99
820	1	0.00	61775	99.99
821	1	0.00	61776	99.99
833	1	0.00	61777	99.99
837	1	0.00	61778	99.99
839	1	0.00	61779	100.00
844	1	0.00	61780	100.00
860	1	0.00	61781	100.00
861	1	0.00	61782	100.00

Table 174. Scale Score Distribution, Writing Grade 6

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
230	17	0.03	17	0.03	303	2	0.00	97	0.16	352	8	0.01	347	0.56
233	1	0.00	18	0.03	305	3	0.00	100	0.16	353	7	0.01	354	0.57
238	2	0.00	20	0.03	307	2	0.00	102	0.17	354	10	0.02	364	0.59
240	1	0.00	21	0.03	308	2	0.00	104	0.17	355	11	0.02	375	0.61
241	2	0.00	23	0.04	309	1	0.00	105	0.17	356	9	0.01	384	0.62
242	3	0.00	26	0.04	310	4	0.01	109	0.18	357	8	0.01	392	0.63
244	2	0.00	28	0.05	311	4	0.01	113	0.18	358	18	0.03	410	0.66
245	1	0.00	29	0.05	312	1	0.00	114	0.18	359	12	0.02	422	0.68
248	1	0.00	30	0.05	313	5	0.01	119	0.19	360	6	0.01	428	0.69
249	4	0.01	34	0.06	314	5	0.01	124	0.20	361	15	0.02	443	0.72
251	1	0.00	35	0.06	315	7	0.01	131	0.21	362	16	0.03	459	0.74
252	1	0.00	36	0.06	316	2	0.00	133	0.22	363	14	0.02	473	0.77
254	1	0.00	37	0.06	317	8	0.01	141	0.23	364	12	0.02	485	0.79
258	2	0.00	39	0.06	318	5	0.01	146	0.24	365	16	0.03	501	0.81
260	1	0.00	40	0.06	319	1	0.00	147	0.24	366	14	0.02	515	0.83
262	1	0.00	41	0.07	320	4	0.01	151	0.24	367	13	0.02	528	0.86
263	1	0.00	42	0.07	321	1	0.00	152	0.25	368	16	0.03	544	0.88
264	2	0.00	44	0.07	322	2	0.00	154	0.25	369	14	0.02	558	0.90
265	1	0.00	45	0.07	323	7	0.01	161	0.26	370	12	0.02	570	0.92
267	1	0.00	46	0.07	324	4	0.01	165	0.27	371	16	0.03	586	0.95
270	2	0.00	48	0.08	325	3	0.00	168	0.27	372	21	0.03	607	0.98
271	1	0.00	49	0.08	326	6	0.01	174	0.28	373	21	0.03	628	1.02
273	1	0.00	50	0.08	327	4	0.01	178	0.29	374	21	0.03	649	1.05
274	3	0.00	53	0.09	328	9	0.01	187	0.30	375	27	0.04	676	1.09
276	1	0.00	54	0.09	329	4	0.01	191	0.31	376	31	0.05	707	1.15
277	1	0.00	55	0.09	330	8	0.01	199	0.32	377	17	0.03	724	1.17
278	2	0.00	57	0.09	331	4	0.01	203	0.33	378	30	0.05	754	1.22
279	1	0.00	58	0.09	332	4	0.01	207	0.34	379	21	0.03	775	1.26
281	2	0.00	60	0.10	333	7	0.01	214	0.35	380	23	0.04	798	1.29
282	4	0.01	64	0.10	334	8	0.01	222	0.36	381	24	0.04	822	1.33
283	2	0.00	66	0.11	335	4	0.01	226	0.37	382	24	0.04	846	1.37
284	2	0.00	68	0.11	336	7	0.01	233	0.38	383	32	0.05	878	1.42
285	2	0.00	70	0.11	337	2	0.00	235	0.38	384	36	0.06	914	1.48
286	1	0.00	71	0.11	338	8	0.01	243	0.39	385	31	0.05	945	1.53
287	2	0.00	73	0.12	339	7	0.01	250	0.40	386	39	0.06	984	1.59
289	1	0.00	74	0.12	340	9	0.01	259	0.42	387	29	0.05	1013	1.64
290	1	0.00	75	0.12	341	9	0.01	268	0.43	388	34	0.06	1047	1.70
291	1	0.00	76	0.12	342	4	0.01	272	0.44	389	31	0.05	1078	1.75
292	2	0.00	78	0.13	343	7	0.01	279	0.45	390	41	0.07	1119	1.81
293	2	0.00	80	0.13	344	7	0.01	286	0.46	391	38	0.06	1157	1.87
294	3	0.00	83	0.13	345	10	0.02	296	0.48	392	49	0.08	1206	1.95
295	2	0.00	85	0.14	346	7	0.01	303	0.49	393	30	0.05	1236	2.00
296	1	0.00	86	0.14	347	8	0.01	311	0.50	394	29	0.05	1265	2.05
297	2	0.00	88	0.14	348	8	0.01	319	0.52	395	41	0.07	1306	2.12
299	3	0.00	91	0.15	349	4	0.01	323	0.52	396	41	0.07	1347	2.18
301	2	0.00	93	0.15	350	6	0.01	329	0.53	397	52	0.08	1399	2.27
302	2	0.00	95	0.15	351	10	0.02	339	0.55	398	47	0.08	1446	2.34

Table 174. Scale Score Distribution, Writing Grade 6 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
399	42	0.07	1488	2.41	446	186	0.30	6475	10.49	493	365	0.59	19395	31.41
400	54	0.09	1542	2.50	447	185	0.30	6660	10.79	494	406	0.66	19801	32.07
401	47	0.08	1589	2.57	448	185	0.30	6845	11.09	495	378	0.61	20179	32.68
402	53	0.09	1642	2.66	449	203	0.33	7048	11.42	496	353	0.57	20532	33.25
403	59	0.10	1701	2.76	450	204	0.33	7252	11.75	497	384	0.62	20916	33.88
404	68	0.11	1769	2.87	451	200	0.32	7452	12.07	498	382	0.62	21298	34.50
405	54	0.09	1823	2.95	452	203	0.33	7655	12.40	499	385	0.62	21683	35.12
406	59	0.10	1882	3.05	453	187	0.30	7842	12.70	500	408	0.66	22091	35.78
407	70	0.11	1952	3.16	454	225	0.36	8067	13.07	501	375	0.61	22466	36.39
408	56	0.09	2008	3.25	455	199	0.32	8266	13.39	502	386	0.63	22852	37.01
409	75	0.12	2083	3.37	456	224	0.36	8490	13.75	503	414	0.67	23266	37.68
410	74	0.12	2157	3.49	457	223	0.36	8713	14.11	504	385	0.62	23651	38.31
411	77	0.12	2234	3.62	458	211	0.34	8924	14.45	505	383	0.62	24034	38.93
412	59	0.10	2293	3.71	459	227	0.37	9151	14.82	506	404	0.65	24438	39.58
413	75	0.12	2368	3.84	460	249	0.40	9400	15.22	507	431	0.70	24869	40.28
414	88	0.14	2456	3.98	461	261	0.42	9661	15.65	508	435	0.70	25304	40.98
415	78	0.13	2534	4.10	462	244	0.40	9905	16.04	509	410	0.66	25714	41.65
416	99	0.16	2633	4.26	463	233	0.38	10138	16.42	510	413	0.67	26127	42.32
417	85	0.14	2718	4.40	464	241	0.39	10379	16.81	511	403	0.65	26530	42.97
418	102	0.17	2820	4.57	465	241	0.39	10620	17.20	512	411	0.67	26941	43.63
419	111	0.18	2931	4.75	466	254	0.41	10874	17.61	513	434	0.70	27375	44.34
420	99	0.16	3030	4.91	467	249	0.40	11123	18.02	514	452	0.73	27827	45.07
421	105	0.17	3135	5.08	468	247	0.40	11370	18.42	515	446	0.72	28273	45.79
422	94	0.15	3229	5.23	469	216	0.35	11586	18.77	516	448	0.73	28721	46.52
423	106	0.17	3335	5.40	470	271	0.44	11857	19.20	517	427	0.69	29148	47.21
424	91	0.15	3426	5.55	471	265	0.43	12122	19.63	518	426	0.69	29574	47.90
425	134	0.22	3560	5.77	472	272	0.44	12394	20.07	519	465	0.75	30039	48.65
426	101	0.16	3661	5.93	473	284	0.46	12678	20.53	520	458	0.74	30497	49.39
427	105	0.17	3766	6.10	474	273	0.44	12951	20.98	521	471	0.76	30968	50.16
428	125	0.20	3891	6.30	475	289	0.47	13240	21.44	522	467	0.76	31435	50.91
429	107	0.17	3998	6.48	476	311	0.50	13551	21.95	523	373	0.60	31808	51.52
430	126	0.20	4124	6.68	477	310	0.50	13861	22.45	524	416	0.67	32224	52.19
431	110	0.18	4234	6.86	478	351	0.57	14212	23.02	525	433	0.70	32657	52.89
432	125	0.20	4359	7.06	479	336	0.54	14548	23.56	526	429	0.69	33086	53.59
433	146	0.24	4505	7.30	480	307	0.50	14855	24.06	527	397	0.64	33483	54.23
434	146	0.24	4651	7.53	481	348	0.56	15203	24.62	528	439	0.71	33922	54.94
435	116	0.19	4767	7.72	482	302	0.49	15505	25.11	529	411	0.67	34333	55.61
436	111	0.18	4878	7.90	483	322	0.52	15827	25.63	530	401	0.65	34734	56.26
437	138	0.22	5016	8.12	484	351	0.57	16178	26.20	531	371	0.60	35105	56.86
438	151	0.24	5167	8.37	485	345	0.56	16523	26.76	532	402	0.65	35507	57.51
439	158	0.26	5325	8.62	486	349	0.57	16872	27.33	533	420	0.68	35927	58.19
440	156	0.25	5481	8.88	487	349	0.57	17221	27.89	534	411	0.67	36338	58.85
441	150	0.24	5631	9.12	488	355	0.57	17576	28.47	535	426	0.69	36764	59.54
442	181	0.29	5812	9.41	489	338	0.55	17914	29.01	536	392	0.63	37156	60.18
443	168	0.27	5980	9.69	490	386	0.63	18300	29.64	537	429	0.69	37585	60.87
444	166	0.27	6146	9.95	491	374	0.61	18674	30.25	538	408	0.66	37993	61.54
445	143	0.23	6289	10.19	492	356	0.58	19030	30.82	539	407	0.66	38400	62.19

Table 174. Scale Score Distribution, Writing Grade 6 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
540	408	0.66	38808	62.86	587	226	0.37	53626	86.85	634	49	0.08	59740	96.76
541	386	0.63	39194	63.48	588	248	0.40	53874	87.26	635	54	0.09	59794	96.84
542	393	0.64	39587	64.12	589	202	0.33	54076	87.58	636	66	0.11	59860	96.95
543	390	0.63	39977	64.75	590	205	0.33	54281	87.92	637	51	0.08	59911	97.03
544	410	0.66	40387	65.41	591	208	0.34	54489	88.25	638	71	0.11	59982	97.15
545	416	0.67	40803	66.09	592	187	0.30	54676	88.56	639	53	0.09	60035	97.24
546	376	0.61	41179	66.70	593	201	0.33	54877	88.88	640	53	0.09	60088	97.32
547	387	0.63	41566	67.32	594	182	0.29	55059	89.18	641	58	0.09	60146	97.42
548	352	0.57	41918	67.89	595	187	0.30	55246	89.48	642	51	0.08	60197	97.50
549	371	0.60	42289	68.49	596	175	0.28	55421	89.76	643	45	0.07	60242	97.57
550	368	0.60	42657	69.09	597	171	0.28	55592	90.04	644	50	0.08	60292	97.65
551	351	0.57	43008	69.66	598	188	0.30	55780	90.34	645	45	0.07	60337	97.72
552	376	0.61	43384	70.27	599	152	0.25	55932	90.59	646	39	0.06	60376	97.79
553	362	0.59	43746	70.85	600	175	0.28	56107	90.87	647	42	0.07	60418	97.86
554	346	0.56	44092	71.41	601	165	0.27	56272	91.14	648	46	0.07	60464	97.93
555	340	0.55	44432	71.96	602	173	0.28	56445	91.42	649	58	0.09	60522	98.02
556	338	0.55	44770	72.51	603	146	0.24	56591	91.66	650	40	0.06	60562	98.09
557	325	0.53	45095	73.04	604	132	0.21	56723	91.87	651	37	0.06	60599	98.15
558	326	0.53	45421	73.57	605	148	0.24	56871	92.11	652	24	0.04	60623	98.19
559	342	0.55	45763	74.12	606	145	0.23	57016	92.35	653	47	0.08	60670	98.26
560	381	0.62	46144	74.74	607	131	0.21	57147	92.56	654	42	0.07	60712	98.33
561	360	0.58	46504	75.32	608	156	0.25	57303	92.81	655	31	0.05	60743	98.38
562	322	0.52	46826	75.84	609	101	0.16	57404	92.97	656	31	0.05	60774	98.43
563	310	0.50	47136	76.34	610	129	0.21	57533	93.18	657	18	0.03	60792	98.46
564	321	0.52	47457	76.86	611	119	0.19	57652	93.38	658	31	0.05	60823	98.51
565	297	0.48	47754	77.34	612	115	0.19	57767	93.56	659	29	0.05	60852	98.56
566	272	0.44	48026	77.78	613	123	0.20	57890	93.76	660	20	0.03	60872	98.59
567	332	0.54	48358	78.32	614	103	0.17	57993	93.93	661	34	0.06	60906	98.65
568	339	0.55	48697	78.87	615	107	0.17	58100	94.10	662	17	0.03	60923	98.67
569	292	0.47	48989	79.34	616	101	0.16	58201	94.26	663	20	0.03	60943	98.71
570	325	0.53	49314	79.87	617	110	0.18	58311	94.44	664	23	0.04	60966	98.74
571	263	0.43	49577	80.30	618	106	0.17	58417	94.61	665	36	0.06	61002	98.80
572	315	0.51	49892	80.81	619	106	0.17	58523	94.79	666	18	0.03	61020	98.83
573	292	0.47	50184	81.28	620	103	0.17	58626	94.95	667	15	0.02	61035	98.85
574	255	0.41	50439	81.69	621	94	0.15	58720	95.11	668	21	0.03	61056	98.89
575	284	0.46	50723	82.15	622	79	0.13	58799	95.23	669	24	0.04	61080	98.93
576	280	0.45	51003	82.61	623	106	0.17	58905	95.41	670	20	0.03	61100	98.96
577	265	0.43	51268	83.04	624	97	0.16	59002	95.56	671	13	0.02	61113	98.98
578	212	0.34	51480	83.38	625	77	0.12	59079	95.69	672	30	0.05	61143	99.03
579	253	0.41	51733	83.79	626	85	0.14	59164	95.82	673	21	0.03	61164	99.06
580	260	0.42	51993	84.21	627	90	0.15	59254	95.97	674	14	0.02	61178	99.09
581	253	0.41	52246	84.62	628	72	0.12	59326	96.09	675	11	0.02	61189	99.10
582	236	0.38	52482	85.00	629	63	0.10	59389	96.19	676	7	0.01	61196	99.12
583	258	0.42	52740	85.42	630	85	0.14	59474	96.33	677	10	0.02	61206	99.13
584	237	0.38	52977	85.80	631	76	0.12	59550	96.45	678	14	0.02	61220	99.15
585	213	0.34	53190	86.15	632	83	0.13	59633	96.58	679	12	0.02	61232	99.17
586	210	0.34	53400	86.49	633	58	0.09	59691	96.68	680	16	0.03	61248	99.20

Table 174. Scale Score Distribution, Writing Grade 6 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
681	18	0.03	61266	99.23	732	4	0.01	61617	99.80
682	18	0.03	61284	99.26	733	2	0.00	61619	99.80
683	8	0.01	61292	99.27	734	17	0.03	61636	99.83
684	10	0.02	61302	99.29	735	1	0.00	61637	99.83
685	7	0.01	61309	99.30	736	2	0.00	61639	99.83
686	18	0.03	61327	99.33	737	3	0.00	61642	99.84
687	13	0.02	61340	99.35	739	11	0.02	61653	99.86
688	5	0.01	61345	99.36	742	1	0.00	61654	99.86
689	7	0.01	61352	99.37	744	2	0.00	61656	99.86
690	18	0.03	61370	99.40	745	7	0.01	61663	99.87
691	12	0.02	61382	99.42	746	1	0.00	61664	99.87
692	7	0.01	61389	99.43	749	1	0.00	61665	99.88
693	2	0.00	61391	99.43	754	2	0.00	61667	99.88
694	8	0.01	61399	99.44	760	2	0.00	61669	99.88
695	9	0.01	61408	99.46	765	4	0.01	61673	99.89
696	10	0.02	61418	99.48	767	5	0.01	61678	99.90
697	19	0.03	61437	99.51	768	1	0.00	61679	99.90
698	1	0.00	61438	99.51	770	6	0.01	61685	99.91
699	11	0.02	61449	99.53	786	31	0.05	61716	99.96
700	17	0.03	61466	99.55	790	6	0.01	61722	99.97
701	15	0.02	61481	99.58	796	1	0.00	61723	99.97
702	6	0.01	61487	99.59	798	1	0.00	61724	99.97
703	9	0.01	61496	99.60	803	3	0.00	61727	99.98
704	1	0.00	61497	99.60	840	15	0.02	61742	100.00
705	3	0.00	61500	99.61					
706	7	0.01	61507	99.62					
707	3	0.00	61510	99.62					
708	7	0.01	61517	99.64					
709	30	0.05	61547	99.68					
711	7	0.01	61554	99.70					
712	1	0.00	61555	99.70					
713	4	0.01	61559	99.70					
714	4	0.01	61563	99.71					
715	8	0.01	61571	99.72					
717	2	0.00	61573	99.73					
718	2	0.00	61575	99.73					
719	1	0.00	61576	99.73					
720	1	0.00	61577	99.73					
721	8	0.01	61585	99.75					
722	5	0.01	61590	99.75					
723	2	0.00	61592	99.76					
724	9	0.01	61601	99.77					
725	2	0.00	61603	99.77					
726	2	0.00	61605	99.78					
729	2	0.00	61607	99.78					
730	5	0.01	61612	99.79					
731	1	0.00	61613	99.79					

Table 175. Scale Score Distribution, Mathematics Grade 6

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
240	180	0.29	180	0.29	291	5	0.01	327	0.53	338	14	0.02	724	1.18
241	2	0.00	182	0.30	292	5	0.01	332	0.54	339	13	0.02	737	1.20
243	1	0.00	183	0.30	293	8	0.01	340	0.55	340	13	0.02	750	1.22
244	1	0.00	184	0.30	294	5	0.01	345	0.56	341	23	0.04	773	1.26
245	6	0.01	190	0.31	295	7	0.01	352	0.57	342	11	0.02	784	1.27
246	3	0.00	193	0.31	296	5	0.01	357	0.58	343	10	0.02	794	1.29
247	4	0.01	197	0.32	297	2	0.00	359	0.58	344	10	0.02	804	1.31
249	4	0.01	201	0.33	298	8	0.01	367	0.60	345	12	0.02	816	1.33
250	2	0.00	203	0.33	299	3	0.00	370	0.60	346	12	0.02	828	1.34
252	2	0.00	205	0.33	300	6	0.01	376	0.61	347	15	0.02	843	1.37
253	5	0.01	210	0.34	301	4	0.01	380	0.62	348	19	0.03	862	1.40
254	2	0.00	212	0.34	302	6	0.01	386	0.63	349	13	0.02	875	1.42
255	2	0.00	214	0.35	303	4	0.01	390	0.63	350	4	0.01	879	1.43
256	1	0.00	215	0.35	304	5	0.01	395	0.64	351	14	0.02	893	1.45
257	4	0.01	219	0.36	305	5	0.01	400	0.65	352	14	0.02	907	1.47
258	1	0.00	220	0.36	306	5	0.01	405	0.66	353	20	0.03	927	1.51
259	4	0.01	224	0.36	307	10	0.02	415	0.67	354	31	0.05	958	1.56
260	3	0.00	227	0.37	308	7	0.01	422	0.69	355	20	0.03	978	1.59
261	3	0.00	230	0.37	309	6	0.01	428	0.70	356	22	0.04	1000	1.62
262	4	0.01	234	0.38	310	4	0.01	432	0.70	357	23	0.04	1023	1.66
263	4	0.01	238	0.39	311	7	0.01	439	0.71	358	19	0.03	1042	1.69
264	1	0.00	239	0.39	312	4	0.01	443	0.72	359	17	0.03	1059	1.72
265	4	0.01	243	0.39	313	7	0.01	450	0.73	360	26	0.04	1085	1.76
266	1	0.00	244	0.40	314	10	0.02	460	0.75	361	27	0.04	1112	1.81
267	2	0.00	246	0.40	315	7	0.01	467	0.76	362	25	0.04	1137	1.85
268	3	0.00	249	0.40	316	8	0.01	475	0.77	363	20	0.03	1157	1.88
269	4	0.01	253	0.41	317	12	0.02	487	0.79	364	25	0.04	1182	1.92
270	2	0.00	255	0.41	318	7	0.01	494	0.80	365	30	0.05	1212	1.97
271	3	0.00	258	0.42	319	6	0.01	500	0.81	366	23	0.04	1235	2.01
272	6	0.01	264	0.43	320	6	0.01	506	0.82	367	19	0.03	1254	2.04
273	1	0.00	265	0.43	321	14	0.02	520	0.84	368	20	0.03	1274	2.07
274	2	0.00	267	0.43	322	10	0.02	530	0.86	369	24	0.04	1298	2.11
275	2	0.00	269	0.44	323	12	0.02	542	0.88	370	35	0.06	1333	2.16
276	2	0.00	271	0.44	324	9	0.01	551	0.89	371	26	0.04	1359	2.21
278	5	0.01	276	0.45	325	11	0.02	562	0.91	372	20	0.03	1379	2.24
279	5	0.01	281	0.46	326	8	0.01	570	0.93	373	22	0.04	1401	2.28
280	4	0.01	285	0.46	327	10	0.02	580	0.94	374	34	0.06	1435	2.33
281	4	0.01	289	0.47	328	12	0.02	592	0.96	375	28	0.05	1463	2.38
282	2	0.00	291	0.47	329	16	0.03	608	0.99	376	29	0.05	1492	2.42
283	3	0.00	294	0.48	330	16	0.03	624	1.01	377	28	0.05	1520	2.47
284	8	0.01	302	0.49	331	15	0.02	639	1.04	378	30	0.05	1550	2.52
285	3	0.00	305	0.50	332	7	0.01	646	1.05	379	41	0.07	1591	2.58
286	4	0.01	309	0.50	333	13	0.02	659	1.07	380	37	0.06	1628	2.64
287	1	0.00	310	0.50	334	6	0.01	665	1.08	381	39	0.06	1667	2.71
288	2	0.00	312	0.51	335	14	0.02	679	1.10	382	35	0.06	1702	2.76
289	7	0.01	319	0.52	336	18	0.03	697	1.13	383	22	0.04	1724	2.80
290	3	0.00	322	0.52	337	13	0.02	710	1.15	384	31	0.05	1755	2.85

Table 175. Scale Score Distribution, Mathematics Grade 6 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
385	30	0.05	1785	2.90	432	114	0.19	4906	7.97	479	243	0.39	12434	20.19
386	33	0.05	1818	2.95	433	95	0.15	5001	8.12	480	213	0.35	12647	20.54
387	36	0.06	1854	3.01	434	125	0.20	5126	8.32	481	223	0.36	12870	20.90
388	40	0.06	1894	3.08	435	105	0.17	5231	8.49	482	217	0.35	13087	21.25
389	39	0.06	1933	3.14	436	125	0.20	5356	8.70	483	244	0.40	13331	21.65
390	39	0.06	1972	3.20	437	112	0.18	5468	8.88	484	260	0.42	13591	22.07
391	50	0.08	2022	3.28	438	119	0.19	5587	9.07	485	230	0.37	13821	22.44
392	40	0.06	2062	3.35	439	107	0.17	5694	9.25	486	234	0.38	14055	22.82
393	56	0.09	2118	3.44	440	104	0.17	5798	9.42	487	243	0.39	14298	23.22
394	47	0.08	2165	3.52	441	134	0.22	5932	9.63	488	238	0.39	14536	23.61
395	42	0.07	2207	3.58	442	116	0.19	6048	9.82	489	257	0.42	14793	24.02
396	51	0.08	2258	3.67	443	126	0.20	6174	10.03	490	260	0.42	15053	24.45
397	47	0.08	2305	3.74	444	139	0.23	6313	10.25	491	283	0.46	15336	24.90
398	53	0.09	2358	3.83	445	126	0.20	6439	10.46	492	270	0.44	15606	25.34
399	51	0.08	2409	3.91	446	130	0.21	6569	10.67	493	255	0.41	15861	25.76
400	50	0.08	2459	3.99	447	128	0.21	6697	10.88	494	268	0.44	16129	26.19
401	45	0.07	2504	4.07	448	135	0.22	6832	11.09	495	259	0.42	16388	26.61
402	50	0.08	2554	4.15	449	138	0.22	6970	11.32	496	298	0.48	16686	27.10
403	51	0.08	2605	4.23	450	136	0.22	7106	11.54	497	242	0.39	16928	27.49
404	64	0.10	2669	4.33	451	137	0.22	7243	11.76	498	279	0.45	17207	27.94
405	51	0.08	2720	4.42	452	152	0.25	7395	12.01	499	279	0.45	17486	28.40
406	62	0.10	2782	4.52	453	151	0.25	7546	12.25	500	292	0.47	17778	28.87
407	73	0.12	2855	4.64	454	153	0.25	7699	12.50	501	286	0.46	18064	29.33
408	69	0.11	2924	4.75	455	159	0.26	7858	12.76	502	299	0.49	18363	29.82
409	64	0.10	2988	4.85	456	149	0.24	8007	13.00	503	288	0.47	18651	30.29
410	76	0.12	3064	4.98	457	142	0.23	8149	13.23	504	272	0.44	18923	30.73
411	75	0.12	3139	5.10	458	155	0.25	8304	13.49	505	294	0.48	19217	31.21
412	56	0.09	3195	5.19	459	175	0.28	8479	13.77	506	271	0.44	19488	31.65
413	74	0.12	3269	5.31	460	173	0.28	8652	14.05	507	291	0.47	19779	32.12
414	64	0.10	3333	5.41	461	149	0.24	8801	14.29	508	285	0.46	20064	32.58
415	64	0.10	3397	5.52	462	179	0.29	8980	14.58	509	311	0.51	20375	33.09
416	84	0.14	3481	5.65	463	195	0.32	9175	14.90	510	298	0.48	20673	33.57
417	55	0.09	3536	5.74	464	186	0.30	9361	15.20	511	297	0.48	20970	34.05
418	87	0.14	3623	5.88	465	169	0.27	9530	15.48	512	293	0.48	21263	34.53
419	83	0.13	3706	6.02	466	207	0.34	9737	15.81	513	299	0.49	21562	35.02
420	74	0.12	3780	6.14	467	165	0.27	9902	16.08	514	340	0.55	21902	35.57
421	60	0.10	3840	6.24	468	207	0.34	10109	16.42	515	346	0.56	22248	36.13
422	79	0.13	3919	6.36	469	174	0.28	10283	16.70	516	304	0.49	22552	36.62
423	96	0.16	4015	6.52	470	184	0.30	10467	17.00	517	307	0.50	22859	37.12
424	94	0.15	4109	6.67	471	190	0.31	10657	17.31	518	331	0.54	23190	37.66
425	96	0.16	4205	6.83	472	231	0.38	10888	17.68	519	325	0.53	23515	38.19
426	97	0.16	4302	6.99	473	224	0.36	11112	18.05	520	321	0.52	23836	38.71
427	105	0.17	4407	7.16	474	228	0.37	11340	18.42	521	337	0.55	24173	39.26
428	98	0.16	4505	7.32	475	190	0.31	11530	18.72	522	356	0.58	24529	39.83
429	94	0.15	4599	7.47	476	227	0.37	11757	19.09	523	304	0.49	24833	40.33
430	94	0.15	4693	7.62	477	218	0.35	11975	19.45	524	328	0.53	25161	40.86
431	99	0.16	4792	7.78	478	216	0.35	12191	19.80	525	302	0.49	25463	41.35

Table 175. Scale Score Distribution, Mathematics Grade 6 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
526	313	0.51	25776	41.86	573	349	0.57	41755	67.81	620	204	0.33	54353	88.27
527	316	0.51	26092	42.37	574	326	0.53	42081	68.34	621	181	0.29	54534	88.56
528	373	0.61	26465	42.98	575	307	0.50	42388	68.84	622	195	0.32	54729	88.88
529	329	0.53	26794	43.51	576	315	0.51	42703	69.35	623	192	0.31	54921	89.19
530	342	0.56	27136	44.07	577	321	0.52	43024	69.87	624	191	0.31	55112	89.50
531	348	0.57	27484	44.63	578	292	0.47	43316	70.34	625	180	0.29	55292	89.79
532	339	0.55	27823	45.18	579	308	0.50	43624	70.84	626	171	0.28	55463	90.07
533	347	0.56	28170	45.75	580	327	0.53	43951	71.37	627	184	0.30	55647	90.37
534	327	0.53	28497	46.28	581	317	0.51	44268	71.89	628	170	0.28	55817	90.64
535	334	0.54	28831	46.82	582	305	0.50	44573	72.38	629	177	0.29	55994	90.93
536	343	0.56	29174	47.38	583	296	0.48	44869	72.86	630	169	0.27	56163	91.20
537	347	0.56	29521	47.94	584	309	0.50	45178	73.37	631	128	0.21	56291	91.41
538	335	0.54	29856	48.48	585	288	0.47	45466	73.83	632	160	0.26	56451	91.67
539	346	0.56	30202	49.05	586	312	0.51	45778	74.34	633	123	0.20	56574	91.87
540	336	0.55	30538	49.59	587	288	0.47	46066	74.81	634	162	0.26	56736	92.14
541	371	0.60	30909	50.19	588	289	0.47	46355	75.28	635	132	0.21	56868	92.35
542	336	0.55	31245	50.74	589	286	0.46	46641	75.74	636	159	0.26	57027	92.61
543	334	0.54	31579	51.28	590	322	0.52	46963	76.26	637	134	0.22	57161	92.83
544	368	0.60	31947	51.88	591	275	0.45	47238	76.71	638	142	0.23	57303	93.06
545	352	0.57	32299	52.45	592	255	0.41	47493	77.13	639	155	0.25	57458	93.31
546	344	0.56	32643	53.01	593	292	0.47	47785	77.60	640	150	0.24	57608	93.55
547	325	0.53	32968	53.54	594	286	0.46	48071	78.06	641	127	0.21	57735	93.76
548	330	0.54	33298	54.07	595	267	0.43	48338	78.50	642	116	0.19	57851	93.95
549	362	0.59	33660	54.66	596	272	0.44	48610	78.94	643	150	0.24	58001	94.19
550	349	0.57	34009	55.23	597	272	0.44	48882	79.38	644	113	0.18	58114	94.37
551	325	0.53	34334	55.76	598	257	0.42	49139	79.80	645	118	0.19	58232	94.56
552	357	0.58	34691	56.34	599	272	0.44	49411	80.24	646	107	0.17	58339	94.74
553	310	0.50	35001	56.84	600	257	0.42	49668	80.66	647	102	0.17	58441	94.90
554	335	0.54	35336	57.38	601	264	0.43	49932	81.09	648	128	0.21	58569	95.11
555	352	0.57	35688	57.95	602	265	0.43	50197	81.52	649	102	0.17	58671	95.28
556	326	0.53	36014	58.48	603	253	0.41	50450	81.93	650	98	0.16	58769	95.44
557	321	0.52	36335	59.01	604	264	0.43	50714	82.36	651	110	0.18	58879	95.62
558	338	0.55	36673	59.55	605	265	0.43	50979	82.79	652	118	0.19	58997	95.81
559	313	0.51	36986	60.06	606	231	0.38	51210	83.16	653	93	0.15	59090	95.96
560	343	0.56	37329	60.62	607	240	0.39	51450	83.55	654	90	0.15	59180	96.10
561	334	0.54	37663	61.16	608	236	0.38	51686	83.93	655	88	0.14	59268	96.25
562	344	0.56	38007	61.72	609	259	0.42	51945	84.36	656	90	0.15	59358	96.39
563	350	0.57	38357	62.29	610	263	0.43	52208	84.78	657	90	0.15	59448	96.54
564	379	0.62	38736	62.90	611	217	0.35	52425	85.13	658	86	0.14	59534	96.68
565	346	0.56	39082	63.47	612	235	0.38	52660	85.52	659	78	0.13	59612	96.81
566	315	0.51	39397	63.98	613	226	0.37	52886	85.88	660	68	0.11	59680	96.92
567	333	0.54	39730	64.52	614	240	0.39	53126	86.27	661	80	0.13	59760	97.05
568	345	0.56	40075	65.08	615	243	0.39	53369	86.67	662	57	0.09	59817	97.14
569	330	0.54	40405	65.61	616	178	0.29	53547	86.96	663	74	0.12	59891	97.26
570	334	0.54	40739	66.16	617	202	0.33	53749	87.28	664	64	0.10	59955	97.36
571	359	0.58	41098	66.74	618	185	0.30	53934	87.59	665	76	0.12	60031	97.49
572	308	0.50	41406	67.24	619	215	0.35	54149	87.93	666	59	0.10	60090	97.58

Table 175. Scale Score Distribution, Mathematics Grade 6 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
667	62	0.10	60152	97.68	714	11	0.02	61381	99.68	780	1	0.00	61554	99.96
668	54	0.09	60206	97.77	715	7	0.01	61388	99.69	781	2	0.00	61556	99.96
669	52	0.08	60258	97.85	716	5	0.01	61393	99.70	783	2	0.00	61558	99.97
670	44	0.07	60302	97.93	717	7	0.01	61400	99.71	785	2	0.00	61560	99.97
671	54	0.09	60356	98.01	718	5	0.01	61405	99.72	792	1	0.00	61561	99.97
672	62	0.10	60418	98.11	719	8	0.01	61413	99.73	795	2	0.00	61563	99.97
673	49	0.08	60467	98.19	720	11	0.02	61424	99.75	799	1	0.00	61564	99.98
674	44	0.07	60511	98.27	721	6	0.01	61430	99.76	830	15	0.02	61579	100.00
675	46	0.07	60557	98.34	722	2	0.00	61432	99.76					
676	41	0.07	60598	98.41	724	9	0.01	61441	99.78					
677	42	0.07	60640	98.48	725	4	0.01	61445	99.78					
678	44	0.07	60684	98.55	726	5	0.01	61450	99.79					
679	34	0.06	60718	98.60	727	3	0.00	61453	99.80					
680	32	0.05	60750	98.65	728	3	0.00	61456	99.80					
681	44	0.07	60794	98.73	729	2	0.00	61458	99.80					
682	32	0.05	60826	98.78	731	3	0.00	61461	99.81					
683	28	0.05	60854	98.82	733	5	0.01	61466	99.82					
684	29	0.05	60883	98.87	734	2	0.00	61468	99.82					
685	36	0.06	60919	98.93	735	9	0.01	61477	99.83					
686	29	0.05	60948	98.98	736	4	0.01	61481	99.84					
687	27	0.04	60975	99.02	737	3	0.00	61484	99.85					
688	29	0.05	61004	99.07	738	4	0.01	61488	99.85					
689	21	0.03	61025	99.10	739	1	0.00	61489	99.85					
690	16	0.03	61041	99.13	742	2	0.00	61491	99.86					
691	17	0.03	61058	99.15	743	5	0.01	61496	99.87					
692	18	0.03	61076	99.18	744	14	0.02	61510	99.89					
693	33	0.05	61109	99.24	745	4	0.01	61514	99.89					
694	24	0.04	61133	99.28	746	4	0.01	61518	99.90					
695	18	0.03	61151	99.30	747	1	0.00	61519	99.90					
696	22	0.04	61173	99.34	748	4	0.01	61523	99.91					
697	14	0.02	61187	99.36	749	3	0.00	61526	99.91					
698	11	0.02	61198	99.38	750	1	0.00	61527	99.92					
699	12	0.02	61210	99.40	751	1	0.00	61528	99.92					
700	18	0.03	61228	99.43	752	1	0.00	61529	99.92					
701	18	0.03	61246	99.46	753	1	0.00	61530	99.92					
702	13	0.02	61259	99.48	755	4	0.01	61534	99.93					
703	19	0.03	61278	99.51	756	1	0.00	61535	99.93					
704	18	0.03	61296	99.54	757	2	0.00	61537	99.93					
705	10	0.02	61306	99.56	759	3	0.00	61540	99.94					
706	10	0.02	61316	99.57	760	1	0.00	61541	99.94					
707	11	0.02	61327	99.59	762	2	0.00	61543	99.94					
708	15	0.02	61342	99.62	765	2	0.00	61545	99.94					
709	4	0.01	61346	99.62	772	1	0.00	61546	99.95					
710	5	0.01	61351	99.63	773	3	0.00	61549	99.95					
711	9	0.01	61360	99.64	774	1	0.00	61550	99.95					
712	6	0.01	61366	99.65	775	1	0.00	61551	99.95					
713	4	0.01	61370	99.66	776	2	0.00	61553	99.96					

Table 176. Scale Score Distribution, Reading Grade 7

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
300	239	0.39	239	0.39	381	2	0.00	326	0.54	429	2	0.00	549	0.91
301	2	0.00	241	0.40	382	5	0.01	331	0.55	430	6	0.01	555	0.92
303	1	0.00	242	0.40	383	1	0.00	332	0.55	431	6	0.01	561	0.93
311	1	0.00	243	0.40	384	1	0.00	333	0.55	432	7	0.01	568	0.94
316	4	0.01	247	0.41	385	1	0.00	334	0.55	433	11	0.02	579	0.96
327	1	0.00	248	0.41	386	2	0.00	336	0.55	434	10	0.02	589	0.97
329	1	0.00	249	0.41	387	4	0.01	340	0.56	435	7	0.01	596	0.98
332	1	0.00	250	0.41	388	2	0.00	342	0.56	436	6	0.01	602	0.99
333	2	0.00	252	0.42	389	8	0.01	350	0.58	437	10	0.02	612	1.01
335	1	0.00	253	0.42	390	4	0.01	354	0.58	438	10	0.02	622	1.03
337	3	0.00	256	0.42	391	4	0.01	358	0.59	439	4	0.01	626	1.03
339	2	0.00	258	0.43	392	3	0.00	361	0.60	440	12	0.02	638	1.05
340	4	0.01	262	0.43	393	6	0.01	367	0.61	441	8	0.01	646	1.07
341	2	0.00	264	0.44	394	3	0.00	370	0.61	442	11	0.02	657	1.08
342	3	0.00	267	0.44	395	2	0.00	372	0.61	443	10	0.02	667	1.10
344	1	0.00	268	0.44	396	2	0.00	374	0.62	444	7	0.01	674	1.11
345	1	0.00	269	0.44	397	6	0.01	380	0.63	445	6	0.01	680	1.12
346	1	0.00	270	0.45	398	1	0.00	381	0.63	446	13	0.02	693	1.14
349	1	0.00	271	0.45	399	2	0.00	383	0.63	447	9	0.01	702	1.16
350	2	0.00	273	0.45	401	6	0.01	389	0.64	448	13	0.02	715	1.18
352	1	0.00	274	0.45	402	2	0.00	391	0.65	449	12	0.02	727	1.20
353	1	0.00	275	0.45	403	6	0.01	397	0.66	450	12	0.02	739	1.22
354	1	0.00	276	0.46	404	5	0.01	402	0.66	451	7	0.01	746	1.23
355	1	0.00	277	0.46	405	3	0.00	405	0.67	452	12	0.02	758	1.25
356	1	0.00	278	0.46	406	5	0.01	410	0.68	453	10	0.02	768	1.27
357	2	0.00	280	0.46	407	7	0.01	417	0.69	454	11	0.02	779	1.29
358	2	0.00	282	0.47	408	4	0.01	421	0.70	455	15	0.02	794	1.31
359	2	0.00	284	0.47	409	5	0.01	426	0.70	456	11	0.02	805	1.33
361	1	0.00	285	0.47	410	2	0.00	428	0.71	457	13	0.02	818	1.35
362	3	0.00	288	0.48	411	7	0.01	435	0.72	458	27	0.04	845	1.40
363	5	0.01	293	0.48	412	5	0.01	440	0.73	459	12	0.02	857	1.42
364	1	0.00	294	0.49	413	11	0.02	451	0.74	460	10	0.02	867	1.43
366	1	0.00	295	0.49	414	4	0.01	455	0.75	461	9	0.01	876	1.45
367	3	0.00	298	0.49	415	3	0.00	458	0.76	462	19	0.03	895	1.48
368	1	0.00	299	0.49	416	6	0.01	464	0.77	463	18	0.03	913	1.51
369	2	0.00	301	0.50	417	6	0.01	470	0.78	464	19	0.03	932	1.54
370	3	0.00	304	0.50	418	5	0.01	475	0.78	465	12	0.02	944	1.56
371	2	0.00	306	0.51	419	7	0.01	482	0.80	466	25	0.04	969	1.60
372	3	0.00	309	0.51	420	3	0.00	485	0.80	467	21	0.03	990	1.63
373	1	0.00	310	0.51	421	10	0.02	495	0.82	468	21	0.03	1011	1.67
374	4	0.01	314	0.52	422	5	0.01	500	0.83	469	22	0.04	1033	1.71
375	2	0.00	316	0.52	423	11	0.02	511	0.84	470	12	0.02	1045	1.73
376	2	0.00	318	0.53	424	9	0.01	520	0.86	471	23	0.04	1068	1.76
377	2	0.00	320	0.53	425	7	0.01	527	0.87	472	16	0.03	1084	1.79
378	1	0.00	321	0.53	426	8	0.01	535	0.88	473	16	0.03	1100	1.82
379	2	0.00	323	0.53	427	8	0.01	543	0.90	474	20	0.03	1120	1.85
380	1	0.00	324	0.53	428	4	0.01	547	0.90	475	20	0.03	1140	1.88

Table 176. Scale Score Distribution, Reading Grade 7 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
476	21	0.03	1161	1.92	523	52	0.09	2937	4.85	570	125	0.21	7484	12.36
477	21	0.03	1182	1.95	524	43	0.07	2980	4.92	571	132	0.22	7616	12.57
478	20	0.03	1202	1.98	525	64	0.11	3044	5.03	572	144	0.24	7760	12.81
479	21	0.03	1223	2.02	526	64	0.11	3108	5.13	573	178	0.29	7938	13.11
480	26	0.04	1249	2.06	527	55	0.09	3163	5.22	574	152	0.25	8090	13.36
481	26	0.04	1275	2.11	528	55	0.09	3218	5.31	575	174	0.29	8264	13.64
482	22	0.04	1297	2.14	529	55	0.09	3273	5.40	576	177	0.29	8441	13.94
483	21	0.03	1318	2.18	530	69	0.11	3342	5.52	577	196	0.32	8637	14.26
484	21	0.03	1339	2.21	531	66	0.11	3408	5.63	578	182	0.30	8819	14.56
485	29	0.05	1368	2.26	532	68	0.11	3476	5.74	579	131	0.22	8950	14.78
486	27	0.04	1395	2.30	533	50	0.08	3526	5.82	580	186	0.31	9136	15.08
487	21	0.03	1416	2.34	534	66	0.11	3592	5.93	581	176	0.29	9312	15.38
488	28	0.05	1444	2.38	535	69	0.11	3661	6.04	582	175	0.29	9487	15.66
489	27	0.04	1471	2.43	536	63	0.10	3724	6.15	583	183	0.30	9670	15.97
490	26	0.04	1497	2.47	537	67	0.11	3791	6.26	584	197	0.33	9867	16.29
491	30	0.05	1527	2.52	538	71	0.12	3862	6.38	585	201	0.33	10068	16.62
492	31	0.05	1558	2.57	539	81	0.13	3943	6.51	586	205	0.34	10273	16.96
493	27	0.04	1585	2.62	540	75	0.12	4018	6.63	587	231	0.38	10504	17.34
494	32	0.05	1617	2.67	541	95	0.16	4113	6.79	588	213	0.35	10717	17.70
495	36	0.06	1653	2.73	542	89	0.15	4202	6.94	589	206	0.34	10923	18.04
496	38	0.06	1691	2.79	543	100	0.17	4302	7.10	590	245	0.40	11168	18.44
497	41	0.07	1732	2.86	544	83	0.14	4385	7.24	591	201	0.33	11369	18.77
498	39	0.06	1771	2.92	545	99	0.16	4484	7.40	592	200	0.33	11569	19.10
499	51	0.08	1822	3.01	546	105	0.17	4589	7.58	593	228	0.38	11797	19.48
500	49	0.08	1871	3.09	547	113	0.19	4702	7.76	594	210	0.35	12007	19.82
501	40	0.07	1911	3.16	548	85	0.14	4787	7.90	595	249	0.41	12256	20.24
502	31	0.05	1942	3.21	549	80	0.13	4867	8.04	596	230	0.38	12486	20.62
503	41	0.07	1983	3.27	550	113	0.19	4980	8.22	597	241	0.40	12727	21.01
504	26	0.04	2009	3.32	551	98	0.16	5078	8.38	598	231	0.38	12958	21.40
505	38	0.06	2047	3.38	552	118	0.19	5196	8.58	599	236	0.39	13194	21.78
506	39	0.06	2086	3.44	553	137	0.23	5333	8.81	600	282	0.47	13476	22.25
507	44	0.07	2130	3.52	554	102	0.17	5435	8.97	601	257	0.42	13733	22.67
508	35	0.06	2165	3.57	555	99	0.16	5534	9.14	602	281	0.46	14014	23.14
509	55	0.09	2220	3.67	556	125	0.21	5659	9.34	603	244	0.40	14258	23.54
510	47	0.08	2267	3.74	557	110	0.18	5769	9.53	604	248	0.41	14506	23.95
511	43	0.07	2310	3.81	558	102	0.17	5871	9.69	605	273	0.45	14779	24.40
512	52	0.09	2362	3.90	559	112	0.18	5983	9.88	606	269	0.44	15048	24.85
513	53	0.09	2415	3.99	560	130	0.21	6113	10.09	607	288	0.48	15336	25.32
514	63	0.10	2478	4.09	561	138	0.23	6251	10.32	608	284	0.47	15620	25.79
515	52	0.09	2530	4.18	562	144	0.24	6395	10.56	609	288	0.48	15908	26.27
516	51	0.08	2581	4.26	563	134	0.22	6529	10.78	610	292	0.48	16200	26.75
517	55	0.09	2636	4.35	564	127	0.21	6656	10.99	611	275	0.45	16475	27.20
518	44	0.07	2680	4.42	565	136	0.22	6792	11.21	612	318	0.53	16793	27.73
519	48	0.08	2728	4.50	566	141	0.23	6933	11.45	613	267	0.44	17060	28.17
520	38	0.06	2766	4.57	567	146	0.24	7079	11.69	614	295	0.49	17355	28.66
521	51	0.08	2817	4.65	568	143	0.24	7222	11.92	615	321	0.53	17676	29.19
522	68	0.11	2885	4.76	569	137	0.23	7359	12.15	616	337	0.56	18013	29.74

Table 176. Scale Score Distribution, Reading Grade 7 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
617	365	0.60	18378	30.34	664	451	0.74	37314	61.61	711	252	0.42	54232	89.54
618	313	0.52	18691	30.86	665	480	0.79	37794	62.40	712	249	0.41	54481	89.95
619	311	0.51	19002	31.37	666	430	0.71	38224	63.11	713	226	0.37	54707	90.33
620	329	0.54	19331	31.92	667	428	0.71	38652	63.82	714	202	0.33	54909	90.66
621	350	0.58	19681	32.50	668	420	0.69	39072	64.51	715	209	0.35	55118	91.01
622	339	0.56	20020	33.06	669	478	0.79	39550	65.30	716	198	0.33	55316	91.33
623	318	0.53	20338	33.58	670	431	0.71	39981	66.01	717	192	0.32	55508	91.65
624	373	0.62	20711	34.20	671	421	0.70	40402	66.71	718	205	0.34	55713	91.99
625	323	0.53	21034	34.73	672	411	0.68	40813	67.39	719	195	0.32	55908	92.31
626	338	0.56	21372	35.29	673	456	0.75	41269	68.14	720	190	0.31	56098	92.62
627	367	0.61	21739	35.89	674	406	0.67	41675	68.81	721	156	0.26	56254	92.88
628	366	0.60	22105	36.50	675	422	0.70	42097	69.51	722	195	0.32	56449	93.20
629	380	0.63	22485	37.13	676	437	0.72	42534	70.23	723	188	0.31	56637	93.51
630	331	0.55	22816	37.67	677	465	0.77	42999	71.00	724	144	0.24	56781	93.75
631	364	0.60	23180	38.27	678	420	0.69	43419	71.69	725	142	0.23	56923	93.99
632	380	0.63	23560	38.90	679	400	0.66	43819	72.35	726	135	0.22	57058	94.21
633	362	0.60	23922	39.50	680	389	0.64	44208	72.99	727	125	0.21	57183	94.42
634	415	0.69	24337	40.18	681	409	0.68	44617	73.67	728	161	0.27	57344	94.68
635	388	0.64	24725	40.82	682	366	0.60	44983	74.27	729	118	0.19	57462	94.88
636	392	0.65	25117	41.47	683	401	0.66	45384	74.93	730	131	0.22	57593	95.09
637	379	0.63	25496	42.10	684	399	0.66	45783	75.59	731	118	0.19	57711	95.29
638	392	0.65	25888	42.74	685	385	0.64	46168	76.23	732	109	0.18	57820	95.47
639	420	0.69	26308	43.44	686	382	0.63	46550	76.86	733	106	0.18	57926	95.64
640	400	0.66	26708	44.10	687	328	0.54	46878	77.40	734	103	0.17	58029	95.81
641	456	0.75	27164	44.85	688	334	0.55	47212	77.95	735	108	0.18	58137	95.99
642	413	0.68	27577	45.53	689	356	0.59	47568	78.54	736	79	0.13	58216	96.12
643	419	0.69	27996	46.22	690	369	0.61	47937	79.15	737	120	0.20	58336	96.32
644	417	0.69	28413	46.91	691	340	0.56	48277	79.71	738	104	0.17	58440	96.49
645	426	0.70	28839	47.62	692	345	0.57	48622	80.28	739	100	0.17	58540	96.66
646	469	0.77	29308	48.39	693	379	0.63	49001	80.91	740	76	0.13	58616	96.78
647	428	0.71	29736	49.10	694	345	0.57	49346	81.48	741	89	0.15	58705	96.93
648	400	0.66	30136	49.76	695	336	0.55	49682	82.03	742	79	0.13	58784	97.06
649	454	0.75	30590	50.51	696	322	0.53	50004	82.56	743	64	0.11	58848	97.17
650	449	0.74	31039	51.25	697	307	0.51	50311	83.07	744	71	0.12	58919	97.28
651	441	0.73	31480	51.98	698	307	0.51	50618	83.58	745	95	0.16	59014	97.44
652	467	0.77	31947	52.75	699	297	0.49	50915	84.07	746	80	0.13	59094	97.57
653	447	0.74	32394	53.49	700	285	0.47	51200	84.54	747	76	0.13	59170	97.70
654	448	0.74	32842	54.23	701	305	0.50	51505	85.04	748	76	0.13	59246	97.82
655	424	0.70	33266	54.93	702	292	0.48	51797	85.52	749	67	0.11	59313	97.93
656	430	0.71	33696	55.64	703	280	0.46	52077	85.99	750	51	0.08	59364	98.02
657	441	0.73	34137	56.36	704	303	0.50	52380	86.49	751	46	0.08	59410	98.09
658	439	0.72	34576	57.09	705	306	0.51	52686	86.99	752	59	0.10	59469	98.19
659	431	0.71	35007	57.80	706	282	0.47	52968	87.46	753	46	0.08	59515	98.27
660	459	0.76	35466	58.56	707	237	0.39	53205	87.85	754	42	0.07	59557	98.34
661	450	0.74	35916	59.30	708	271	0.45	53476	88.30	755	61	0.10	59618	98.44
662	459	0.76	36375	60.06	709	255	0.42	53731	88.72	756	46	0.08	59664	98.51
663	488	0.81	36863	60.87	710	249	0.41	53980	89.13	757	38	0.06	59702	98.58

Table 176. Scale Score Distribution, Reading Grade 7 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
758	42	0.07	59744	98.64	805	3	0.00	60500	99.89
759	35	0.06	59779	98.70	806	2	0.00	60502	99.90
760	31	0.05	59810	98.75	807	2	0.00	60504	99.90
761	32	0.05	59842	98.81	808	5	0.01	60509	99.91
762	37	0.06	59879	98.87	809	4	0.01	60513	99.91
763	39	0.06	59918	98.93	810	1	0.00	60514	99.92
764	27	0.04	59945	98.98	812	2	0.00	60516	99.92
765	29	0.05	59974	99.02	813	1	0.00	60517	99.92
766	32	0.05	60006	99.08	814	2	0.00	60519	99.92
767	27	0.04	60033	99.12	815	2	0.00	60521	99.93
768	30	0.05	60063	99.17	816	3	0.00	60524	99.93
769	25	0.04	60088	99.21	817	2	0.00	60526	99.94
770	23	0.04	60111	99.25	818	2	0.00	60528	99.94
771	21	0.03	60132	99.29	819	2	0.00	60530	99.94
772	20	0.03	60152	99.32	820	4	0.01	60534	99.95
773	23	0.04	60175	99.36	822	1	0.00	60535	99.95
774	17	0.03	60192	99.38	823	3	0.00	60538	99.96
775	16	0.03	60208	99.41	827	1	0.00	60539	99.96
776	20	0.03	60228	99.44	828	2	0.00	60541	99.96
777	20	0.03	60248	99.48	830	1	0.00	60542	99.96
778	17	0.03	60265	99.50	831	1	0.00	60543	99.96
779	11	0.02	60276	99.52	834	1	0.00	60544	99.97
780	16	0.03	60292	99.55	836	1	0.00	60545	99.97
781	17	0.03	60309	99.58	837	1	0.00	60546	99.97
782	17	0.03	60326	99.61	838	3	0.00	60549	99.97
783	14	0.02	60340	99.63	839	1	0.00	60550	99.98
784	10	0.02	60350	99.65	840	1	0.00	60551	99.98
785	11	0.02	60361	99.66	841	2	0.00	60553	99.98
786	12	0.02	60373	99.68	846	1	0.00	60554	99.98
787	10	0.02	60383	99.70	848	1	0.00	60555	99.98
788	8	0.01	60391	99.71	849	1	0.00	60556	99.99
789	8	0.01	60399	99.73	851	1	0.00	60557	99.99
790	9	0.01	60408	99.74	852	1	0.00	60558	99.99
791	10	0.02	60418	99.76	854	1	0.00	60559	99.99
792	11	0.02	60429	99.78	855	1	0.00	60560	99.99
793	5	0.01	60434	99.78	860	1	0.00	60561	99.99
794	7	0.01	60441	99.80	868	1	0.00	60562	100.00
795	9	0.01	60450	99.81	869	1	0.00	60563	100.00
796	6	0.01	60456	99.82	904	1	0.00	60564	100.00
797	9	0.01	60465	99.83	926	1	0.00	60565	100.00
798	3	0.00	60468	99.84					
799	6	0.01	60474	99.85					
800	5	0.01	60479	99.86					
801	6	0.01	60485	99.87					
802	2	0.00	60487	99.87					
803	4	0.01	60491	99.88					
804	6	0.01	60497	99.89					

Table 177. Scale Score Distribution, Writing Grade 7

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
240	18	0.03	18	0.03	324	2	0.00	90	0.15	374	8	0.01	358	0.59
245	1	0.00	19	0.03	325	3	0.00	93	0.15	375	11	0.02	369	0.61
248	1	0.00	20	0.03	326	2	0.00	95	0.16	376	5	0.01	374	0.62
250	2	0.00	22	0.04	329	7	0.01	102	0.17	377	19	0.03	393	0.65
254	1	0.00	23	0.04	330	3	0.00	105	0.17	378	14	0.02	407	0.67
256	1	0.00	24	0.04	332	2	0.00	107	0.18	379	7	0.01	414	0.68
260	1	0.00	25	0.04	333	2	0.00	109	0.18	380	11	0.02	425	0.70
266	1	0.00	26	0.04	334	8	0.01	117	0.19	381	11	0.02	436	0.72
267	3	0.00	29	0.05	335	5	0.01	122	0.20	382	12	0.02	448	0.74
268	1	0.00	30	0.05	336	4	0.01	126	0.21	383	17	0.03	465	0.77
273	1	0.00	31	0.05	337	5	0.01	131	0.22	384	14	0.02	479	0.79
274	1	0.00	32	0.05	338	3	0.00	134	0.22	385	15	0.02	494	0.82
275	1	0.00	33	0.05	339	2	0.00	136	0.22	386	12	0.02	506	0.84
276	2	0.00	35	0.06	340	4	0.01	140	0.23	387	20	0.03	526	0.87
277	1	0.00	36	0.06	341	4	0.01	144	0.24	388	19	0.03	545	0.90
280	2	0.00	38	0.06	342	7	0.01	151	0.25	389	13	0.02	558	0.92
282	1	0.00	39	0.06	343	5	0.01	156	0.26	390	19	0.03	577	0.95
283	2	0.00	41	0.07	344	4	0.01	160	0.26	391	15	0.02	592	0.98
284	2	0.00	43	0.07	345	8	0.01	168	0.28	392	19	0.03	611	1.01
286	1	0.00	44	0.07	346	6	0.01	174	0.29	393	17	0.03	628	1.04
288	1	0.00	45	0.07	347	2	0.00	176	0.29	394	24	0.04	652	1.08
289	3	0.00	48	0.08	348	1	0.00	177	0.29	395	24	0.04	676	1.12
291	1	0.00	49	0.08	349	4	0.01	181	0.30	396	21	0.03	697	1.15
293	1	0.00	50	0.08	350	5	0.01	186	0.31	397	20	0.03	717	1.18
295	1	0.00	51	0.08	351	1	0.00	187	0.31	398	29	0.05	746	1.23
296	2	0.00	53	0.09	352	4	0.01	191	0.32	399	20	0.03	766	1.26
297	3	0.00	56	0.09	353	7	0.01	198	0.33	400	25	0.04	791	1.31
298	1	0.00	57	0.09	354	7	0.01	205	0.34	401	16	0.03	807	1.33
300	1	0.00	58	0.10	355	7	0.01	212	0.35	402	23	0.04	830	1.37
301	1	0.00	59	0.10	356	2	0.00	214	0.35	403	22	0.04	852	1.41
303	1	0.00	60	0.10	357	9	0.01	223	0.37	404	25	0.04	877	1.45
304	2	0.00	62	0.10	358	5	0.01	228	0.38	405	24	0.04	901	1.49
306	1	0.00	63	0.10	359	10	0.02	238	0.39	406	19	0.03	920	1.52
307	1	0.00	64	0.11	360	12	0.02	250	0.41	407	29	0.05	949	1.57
308	1	0.00	65	0.11	361	6	0.01	256	0.42	408	37	0.06	986	1.63
309	2	0.00	67	0.11	362	5	0.01	261	0.43	409	33	0.05	1019	1.68
310	1	0.00	68	0.11	363	8	0.01	269	0.44	410	41	0.07	1060	1.75
311	1	0.00	69	0.11	364	7	0.01	276	0.46	411	35	0.06	1095	1.81
312	3	0.00	72	0.12	365	5	0.01	281	0.46	412	35	0.06	1130	1.87
313	1	0.00	73	0.12	366	10	0.02	291	0.48	413	26	0.04	1156	1.91
314	3	0.00	76	0.13	367	6	0.01	297	0.49	414	49	0.08	1205	1.99
315	1	0.00	77	0.13	368	12	0.02	309	0.51	415	35	0.06	1240	2.05
316	1	0.00	78	0.13	369	8	0.01	317	0.52	416	36	0.06	1276	2.11
317	2	0.00	80	0.13	370	11	0.02	328	0.54	417	32	0.05	1308	2.16
320	3	0.00	83	0.14	371	6	0.01	334	0.55	418	44	0.07	1352	2.23
322	3	0.00	86	0.14	372	4	0.01	338	0.56	419	39	0.06	1391	2.30
323	2	0.00	88	0.15	373	12	0.02	350	0.58	420	37	0.06	1428	2.36

Table 177. Scale Score Distribution, Writing Grade 7 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
421	41	0.07	1469	2.43	468	154	0.25	5552	9.17	515	309	0.51	15562	25.70
422	45	0.07	1514	2.50	469	135	0.22	5687	9.39	516	284	0.47	15846	26.17
423	34	0.06	1548	2.56	470	143	0.24	5830	9.63	517	286	0.47	16132	26.64
424	42	0.07	1590	2.63	471	143	0.24	5973	9.86	518	286	0.47	16418	27.11
425	42	0.07	1632	2.69	472	146	0.24	6119	10.10	519	271	0.45	16689	27.56
426	48	0.08	1680	2.77	473	136	0.22	6255	10.33	520	296	0.49	16985	28.05
427	43	0.07	1723	2.85	474	179	0.30	6434	10.62	521	284	0.47	17269	28.52
428	53	0.09	1776	2.93	475	159	0.26	6593	10.89	522	316	0.52	17585	29.04
429	56	0.09	1832	3.03	476	146	0.24	6739	11.13	523	322	0.53	17907	29.57
430	51	0.08	1883	3.11	477	153	0.25	6892	11.38	524	332	0.55	18239	30.12
431	62	0.10	1945	3.21	478	169	0.28	7061	11.66	525	309	0.51	18548	30.63
432	43	0.07	1988	3.28	479	164	0.27	7225	11.93	526	312	0.52	18860	31.14
433	66	0.11	2054	3.39	480	201	0.33	7426	12.26	527	320	0.53	19180	31.67
434	63	0.10	2117	3.50	481	173	0.29	7599	12.55	528	318	0.53	19498	32.20
435	66	0.11	2183	3.60	482	196	0.32	7795	12.87	529	339	0.56	19837	32.76
436	69	0.11	2252	3.72	483	177	0.29	7972	13.16	530	364	0.60	20201	33.36
437	75	0.12	2327	3.84	484	182	0.30	8154	13.46	531	360	0.59	20561	33.95
438	77	0.13	2404	3.97	485	180	0.30	8334	13.76	532	341	0.56	20902	34.52
439	67	0.11	2471	4.08	486	186	0.31	8520	14.07	533	321	0.53	21223	35.05
440	71	0.12	2542	4.20	487	200	0.33	8720	14.40	534	311	0.51	21534	35.56
441	77	0.13	2619	4.32	488	204	0.34	8924	14.74	535	345	0.57	21879	36.13
442	83	0.14	2702	4.46	489	211	0.35	9135	15.08	536	349	0.58	22228	36.71
443	86	0.14	2788	4.60	490	211	0.35	9346	15.43	537	355	0.59	22583	37.29
444	79	0.13	2867	4.73	491	218	0.36	9564	15.79	538	366	0.60	22949	37.90
445	91	0.15	2958	4.88	492	217	0.36	9781	16.15	539	346	0.57	23295	38.47
446	77	0.13	3035	5.01	493	241	0.40	10022	16.55	540	343	0.57	23638	39.03
447	80	0.13	3115	5.14	494	218	0.36	10240	16.91	541	373	0.62	24011	39.65
448	87	0.14	3202	5.29	495	197	0.33	10437	17.24	542	382	0.63	24393	40.28
449	78	0.13	3280	5.42	496	229	0.38	10666	17.61	543	366	0.60	24759	40.89
450	109	0.18	3389	5.60	497	225	0.37	10891	17.98	544	367	0.61	25126	41.49
451	90	0.15	3479	5.75	498	244	0.40	11135	18.39	545	363	0.60	25489	42.09
452	103	0.17	3582	5.92	499	250	0.41	11385	18.80	546	354	0.58	25843	42.68
453	77	0.13	3659	6.04	500	213	0.35	11598	19.15	547	387	0.64	26230	43.31
454	113	0.19	3772	6.23	501	248	0.41	11846	19.56	548	389	0.64	26619	43.96
455	107	0.18	3879	6.41	502	248	0.41	12094	19.97	549	349	0.58	26968	44.53
456	121	0.20	4000	6.61	503	229	0.38	12323	20.35	550	390	0.64	27358	45.18
457	111	0.18	4111	6.79	504	237	0.39	12560	20.74	551	361	0.60	27719	45.77
458	121	0.20	4232	6.99	505	263	0.43	12823	21.18	552	400	0.66	28119	46.43
459	115	0.19	4347	7.18	506	237	0.39	13060	21.57	553	379	0.63	28498	47.06
460	120	0.20	4467	7.38	507	246	0.41	13306	21.97	554	339	0.56	28837	47.62
461	103	0.17	4570	7.55	508	276	0.46	13582	22.43	555	407	0.67	29244	48.29
462	123	0.20	4693	7.75	509	258	0.43	13840	22.85	556	392	0.65	29636	48.94
463	123	0.20	4816	7.95	510	293	0.48	14133	23.34	557	384	0.63	30020	49.57
464	132	0.22	4948	8.17	511	272	0.45	14405	23.79	558	384	0.63	30404	50.21
465	146	0.24	5094	8.41	512	272	0.45	14677	24.24	559	369	0.61	30773	50.82
466	144	0.24	5238	8.65	513	274	0.45	14951	24.69	560	376	0.62	31149	51.44
467	160	0.26	5398	8.91	514	302	0.50	15253	25.19	561	371	0.61	31520	52.05

Table 177. Scale Score Distribution, Writing Grade 7 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
562	407	0.67	31927	52.72	609	250	0.41	47710	78.79	656	100	0.17	55963	92.41
563	373	0.62	32300	53.34	610	249	0.41	47959	79.20	657	83	0.14	56046	92.55
564	399	0.66	32699	54.00	611	232	0.38	48191	79.58	658	94	0.16	56140	92.71
565	388	0.64	33087	54.64	612	264	0.44	48455	80.02	659	87	0.14	56227	92.85
566	403	0.67	33490	55.30	613	268	0.44	48723	80.46	660	96	0.16	56323	93.01
567	408	0.67	33898	55.98	614	236	0.39	48959	80.85	661	100	0.17	56423	93.17
568	404	0.67	34302	56.64	615	217	0.36	49176	81.21	662	110	0.18	56533	93.36
569	360	0.59	34662	57.24	616	237	0.39	49413	81.60	663	106	0.18	56639	93.53
570	410	0.68	35072	57.92	617	208	0.34	49621	81.94	664	100	0.17	56739	93.70
571	368	0.61	35440	58.52	618	254	0.42	49875	82.36	665	99	0.16	56838	93.86
572	395	0.65	35835	59.18	619	222	0.37	50097	82.73	666	74	0.12	56912	93.98
573	410	0.68	36245	59.85	620	221	0.36	50318	83.09	667	109	0.18	57021	94.16
574	345	0.57	36590	60.42	621	222	0.37	50540	83.46	668	102	0.17	57123	94.33
575	358	0.59	36948	61.01	622	182	0.30	50722	83.76	669	93	0.15	57216	94.48
576	366	0.60	37314	61.62	623	231	0.38	50953	84.14	670	85	0.14	57301	94.62
577	424	0.70	37738	62.32	624	200	0.33	51153	84.47	671	57	0.09	57358	94.72
578	367	0.61	38105	62.92	625	202	0.33	51355	84.80	672	56	0.09	57414	94.81
579	342	0.56	38447	63.49	626	220	0.36	51575	85.17	673	61	0.10	57475	94.91
580	400	0.66	38847	64.15	627	205	0.34	51780	85.51	674	78	0.13	57553	95.04
581	354	0.58	39201	64.73	628	191	0.32	51971	85.82	675	76	0.13	57629	95.16
582	359	0.59	39560	65.33	629	181	0.30	52152	86.12	676	89	0.15	57718	95.31
583	333	0.55	39893	65.88	630	162	0.27	52314	86.39	677	73	0.12	57791	95.43
584	360	0.59	40253	66.47	631	176	0.29	52490	86.68	678	87	0.14	57878	95.58
585	327	0.54	40580	67.01	632	159	0.26	52649	86.94	679	75	0.12	57953	95.70
586	359	0.59	40939	67.60	633	161	0.27	52810	87.21	680	83	0.14	58036	95.84
587	325	0.54	41264	68.14	634	172	0.28	52982	87.49	681	59	0.10	58095	95.93
588	341	0.56	41605	68.70	635	181	0.30	53163	87.79	682	55	0.09	58150	96.03
589	327	0.54	41932	69.24	636	162	0.27	53325	88.06	683	69	0.11	58219	96.14
590	293	0.48	42225	69.73	637	151	0.25	53476	88.31	684	41	0.07	58260	96.21
591	342	0.56	42567	70.29	638	153	0.25	53629	88.56	685	46	0.08	58306	96.28
592	307	0.51	42874	70.80	639	158	0.26	53787	88.82	686	43	0.07	58349	96.35
593	313	0.52	43187	71.32	640	145	0.24	53932	89.06	687	40	0.07	58389	96.42
594	349	0.58	43536	71.89	641	140	0.23	54072	89.29	688	36	0.06	58425	96.48
595	335	0.55	43871	72.45	642	141	0.23	54213	89.52	689	38	0.06	58463	96.54
596	312	0.52	44183	72.96	643	140	0.23	54353	89.76	690	52	0.09	58515	96.63
597	289	0.48	44472	73.44	644	147	0.24	54500	90.00	691	42	0.07	58557	96.70
598	287	0.47	44759	73.91	645	111	0.18	54611	90.18	692	40	0.07	58597	96.76
599	312	0.52	45071	74.43	646	164	0.27	54775	90.45	693	46	0.08	58643	96.84
600	298	0.49	45369	74.92	647	118	0.19	54893	90.65	694	49	0.08	58692	96.92
601	277	0.46	45646	75.38	648	107	0.18	55000	90.82	695	52	0.09	58744	97.01
602	270	0.45	45916	75.82	649	146	0.24	55146	91.06	696	89	0.15	58833	97.15
603	264	0.44	46180	76.26	650	118	0.19	55264	91.26	697	66	0.11	58899	97.26
604	243	0.40	46423	76.66	651	129	0.21	55393	91.47	698	38	0.06	58937	97.32
605	250	0.41	46673	77.07	652	129	0.21	55522	91.69	699	24	0.04	58961	97.36
606	259	0.43	46932	77.50	653	136	0.22	55658	91.91	700	44	0.07	59005	97.44
607	250	0.41	47182	77.91	654	113	0.19	55771	92.10	701	43	0.07	59048	97.51
608	278	0.46	47460	78.37	655	92	0.15	55863	92.25	702	35	0.06	59083	97.57

Table 177. Scale Score Distribution, Writing Grade 7 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
703	26	0.04	59109	97.61	750	8	0.01	60108	99.26	798	1	0.00	60378	99.70
704	26	0.04	59135	97.65	751	5	0.01	60113	99.27	802	1	0.00	60379	99.71
705	25	0.04	59160	97.69	752	7	0.01	60120	99.28	803	4	0.01	60383	99.71
706	38	0.06	59198	97.76	753	7	0.01	60127	99.29	804	1	0.00	60384	99.71
707	23	0.04	59221	97.79	754	6	0.01	60133	99.30	805	1	0.00	60385	99.72
708	43	0.07	59264	97.86	755	13	0.02	60146	99.32	808	1	0.00	60386	99.72
709	32	0.05	59296	97.92	756	2	0.00	60148	99.32	809	17	0.03	60403	99.75
710	21	0.03	59317	97.95	757	4	0.01	60152	99.33	810	1	0.00	60404	99.75
711	17	0.03	59334	97.98	758	4	0.01	60156	99.34	812	1	0.00	60405	99.75
712	22	0.04	59356	98.02	759	5	0.01	60161	99.35	815	3	0.00	60408	99.75
713	62	0.10	59418	98.12	760	7	0.01	60168	99.36	817	2	0.00	60410	99.76
714	32	0.05	59450	98.17	761	7	0.01	60175	99.37	818	2	0.00	60412	99.76
715	38	0.06	59488	98.23	762	4	0.01	60179	99.38	827	16	0.03	60428	99.79
716	30	0.05	59518	98.28	763	3	0.00	60182	99.38	830	17	0.03	60445	99.82
717	33	0.05	59551	98.34	764	7	0.01	60189	99.39	833	17	0.03	60462	99.84
718	33	0.05	59584	98.39	765	23	0.04	60212	99.43	838	3	0.00	60465	99.85
719	18	0.03	59602	98.42	766	7	0.01	60219	99.44	840	14	0.02	60479	99.87
720	20	0.03	59622	98.46	767	12	0.02	60231	99.46	842	3	0.00	60482	99.88
721	35	0.06	59657	98.51	768	1	0.00	60232	99.46	848	9	0.01	60491	99.89
722	36	0.06	59693	98.57	769	7	0.01	60239	99.47	855	2	0.00	60493	99.89
723	17	0.03	59710	98.60	770	5	0.01	60244	99.48	860	11	0.02	60504	99.91
724	19	0.03	59729	98.63	771	2	0.00	60246	99.49	862	1	0.00	60505	99.91
725	13	0.02	59742	98.65	772	3	0.00	60249	99.49	890	52	0.09	60557	100.00
726	15	0.02	59757	98.68	773	6	0.01	60255	99.50					
727	8	0.01	59765	98.69	774	1	0.00	60256	99.50					
728	17	0.03	59782	98.72	775	7	0.01	60263	99.51					
729	22	0.04	59804	98.76	776	8	0.01	60271	99.53					
730	12	0.02	59816	98.78	777	3	0.00	60274	99.53					
731	21	0.03	59837	98.81	778	24	0.04	60298	99.57					
732	10	0.02	59847	98.83	779	2	0.00	60300	99.58					
733	8	0.01	59855	98.84	780	5	0.01	60305	99.58					
734	14	0.02	59869	98.86	781	2	0.00	60307	99.59					
735	7	0.01	59876	98.88	782	7	0.01	60314	99.60					
736	35	0.06	59911	98.93	783	17	0.03	60331	99.63					
737	17	0.03	59928	98.96	784	7	0.01	60338	99.64					
738	10	0.02	59938	98.98	785	2	0.00	60340	99.64					
739	19	0.03	59957	99.01	786	6	0.01	60346	99.65					
740	13	0.02	59970	99.03	787	8	0.01	60354	99.66					
741	14	0.02	59984	99.05	788	1	0.00	60355	99.67					
742	7	0.01	59991	99.07	789	1	0.00	60356	99.67					
743	16	0.03	60007	99.09	790	2	0.00	60358	99.67					
744	10	0.02	60017	99.11	791	5	0.01	60363	99.68					
745	15	0.02	60032	99.13	792	2	0.00	60365	99.68					
746	11	0.02	60043	99.15	793	6	0.01	60371	99.69					
747	11	0.02	60054	99.17	795	2	0.00	60373	99.70					
748	37	0.06	60091	99.23	796	1	0.00	60374	99.70					
749	9	0.01	60100	99.25	797	3	0.00	60377	99.70					

Table 178. Scale Score Distribution, Mathematics Grade 7

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
280	294	0.48	294	0.48	329	7	0.01	482	0.79	376	10	0.02	992	1.64
281	3	0.00	297	0.49	330	7	0.01	489	0.81	377	20	0.03	1012	1.67
283	3	0.00	300	0.49	331	6	0.01	495	0.82	378	21	0.03	1033	1.70
284	1	0.00	301	0.50	332	10	0.02	505	0.83	379	20	0.03	1053	1.74
285	3	0.00	304	0.50	333	8	0.01	513	0.85	380	17	0.03	1070	1.76
286	3	0.00	307	0.51	334	5	0.01	518	0.85	381	13	0.02	1083	1.79
287	4	0.01	311	0.51	335	3	0.00	521	0.86	382	20	0.03	1103	1.82
289	3	0.00	314	0.52	336	6	0.01	527	0.87	383	24	0.04	1127	1.86
290	1	0.00	315	0.52	337	3	0.00	530	0.87	384	24	0.04	1151	1.90
291	1	0.00	316	0.52	338	6	0.01	536	0.88	385	25	0.04	1176	1.94
292	1	0.00	317	0.52	339	5	0.01	541	0.89	386	29	0.05	1205	1.99
293	2	0.00	319	0.53	340	4	0.01	545	0.90	387	19	0.03	1224	2.02
294	4	0.01	323	0.53	341	10	0.02	555	0.92	388	20	0.03	1244	2.05
295	6	0.01	329	0.54	342	18	0.03	573	0.95	389	25	0.04	1269	2.09
296	1	0.00	330	0.54	343	10	0.02	583	0.96	390	26	0.04	1295	2.14
297	2	0.00	332	0.55	344	11	0.02	594	0.98	391	27	0.04	1322	2.18
298	2	0.00	334	0.55	345	11	0.02	605	1.00	392	21	0.03	1343	2.22
299	4	0.01	338	0.56	346	7	0.01	612	1.01	393	22	0.04	1365	2.25
300	2	0.00	340	0.56	347	14	0.02	626	1.03	394	20	0.03	1385	2.28
301	2	0.00	342	0.56	348	9	0.01	635	1.05	395	25	0.04	1410	2.33
302	4	0.01	346	0.57	349	9	0.01	644	1.06	396	26	0.04	1436	2.37
303	3	0.00	349	0.58	350	13	0.02	657	1.08	397	22	0.04	1458	2.40
304	3	0.00	352	0.58	351	12	0.02	669	1.10	398	25	0.04	1483	2.45
305	2	0.00	354	0.58	352	9	0.01	678	1.12	399	31	0.05	1514	2.50
306	1	0.00	355	0.59	353	8	0.01	686	1.13	400	26	0.04	1540	2.54
307	2	0.00	357	0.59	354	11	0.02	697	1.15	401	28	0.05	1568	2.59
308	1	0.00	358	0.59	355	11	0.02	708	1.17	402	32	0.05	1600	2.64
309	2	0.00	360	0.59	356	15	0.02	723	1.19	403	29	0.05	1629	2.69
310	1	0.00	361	0.60	357	12	0.02	735	1.21	404	46	0.08	1675	2.76
311	2	0.00	363	0.60	358	10	0.02	745	1.23	405	34	0.06	1709	2.82
312	6	0.01	369	0.61	359	8	0.01	753	1.24	406	36	0.06	1745	2.88
313	7	0.01	376	0.62	360	12	0.02	765	1.26	407	33	0.05	1778	2.93
314	5	0.01	381	0.63	361	20	0.03	785	1.29	408	25	0.04	1803	2.97
315	9	0.01	390	0.64	362	13	0.02	798	1.32	409	38	0.06	1841	3.04
316	7	0.01	397	0.65	363	11	0.02	809	1.33	410	42	0.07	1883	3.11
317	7	0.01	404	0.67	364	15	0.02	824	1.36	411	37	0.06	1920	3.17
318	7	0.01	411	0.68	365	21	0.03	845	1.39	412	53	0.09	1973	3.25
319	8	0.01	419	0.69	366	7	0.01	852	1.41	413	40	0.07	2013	3.32
320	7	0.01	426	0.70	367	11	0.02	863	1.42	414	54	0.09	2067	3.41
321	5	0.01	431	0.71	368	7	0.01	870	1.43	415	41	0.07	2108	3.48
322	3	0.00	434	0.72	369	18	0.03	888	1.46	416	39	0.06	2147	3.54
323	14	0.02	448	0.74	370	18	0.03	906	1.49	417	32	0.05	2179	3.59
324	4	0.01	452	0.75	371	12	0.02	918	1.51	418	45	0.07	2224	3.67
325	4	0.01	456	0.75	372	16	0.03	934	1.54	419	32	0.05	2256	3.72
326	5	0.01	461	0.76	373	16	0.03	950	1.57	420	43	0.07	2299	3.79
327	10	0.02	471	0.78	374	19	0.03	969	1.60	421	52	0.09	2351	3.88
328	4	0.01	475	0.78	375	13	0.02	982	1.62	422	28	0.05	2379	3.92

Table 178. Scale Score Distribution, Mathematics Grade 7 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
423	46	0.08	2425	4.00	470	119	0.20	6487	10.70	517	260	0.43	15965	26.33
424	56	0.09	2481	4.09	471	133	0.22	6620	10.92	518	258	0.43	16223	26.76
425	53	0.09	2534	4.18	472	133	0.22	6753	11.14	519	285	0.47	16508	27.23
426	58	0.10	2592	4.28	473	141	0.23	6894	11.37	520	256	0.42	16764	27.65
427	46	0.08	2638	4.35	474	144	0.24	7038	11.61	521	284	0.47	17048	28.12
428	59	0.10	2697	4.45	475	153	0.25	7191	11.86	522	272	0.45	17320	28.57
429	55	0.09	2752	4.54	476	161	0.27	7352	12.13	523	255	0.42	17575	28.99
430	65	0.11	2817	4.65	477	125	0.21	7477	12.33	524	297	0.49	17872	29.48
431	55	0.09	2872	4.74	478	158	0.26	7635	12.59	525	288	0.48	18160	29.95
432	50	0.08	2922	4.82	479	133	0.22	7768	12.81	526	241	0.40	18401	30.35
433	57	0.09	2979	4.91	480	154	0.25	7922	13.07	527	276	0.46	18677	30.80
434	64	0.11	3043	5.02	481	153	0.25	8075	13.32	528	287	0.47	18964	31.28
435	68	0.11	3111	5.13	482	173	0.29	8248	13.60	529	304	0.50	19268	31.78
436	74	0.12	3185	5.25	483	160	0.26	8408	13.87	530	293	0.48	19561	32.26
437	57	0.09	3242	5.35	484	159	0.26	8567	14.13	531	293	0.48	19854	32.75
438	61	0.10	3303	5.45	485	186	0.31	8753	14.44	532	270	0.45	20124	33.19
439	67	0.11	3370	5.56	486	164	0.27	8917	14.71	533	318	0.52	20442	33.72
440	81	0.13	3451	5.69	487	170	0.28	9087	14.99	534	310	0.51	20752	34.23
441	87	0.14	3538	5.84	488	166	0.27	9253	15.26	535	272	0.45	21024	34.68
442	79	0.13	3617	5.97	489	179	0.30	9432	15.56	536	283	0.47	21307	35.14
443	78	0.13	3695	6.09	490	191	0.32	9623	15.87	537	314	0.52	21621	35.66
444	80	0.13	3775	6.23	491	207	0.34	9830	16.21	538	306	0.50	21927	36.17
445	73	0.12	3848	6.35	492	186	0.31	10016	16.52	539	277	0.46	22204	36.62
446	83	0.14	3931	6.48	493	204	0.34	10220	16.86	540	303	0.50	22507	37.12
447	86	0.14	4017	6.63	494	196	0.32	10416	17.18	541	278	0.46	22785	37.58
448	92	0.15	4109	6.78	495	212	0.35	10628	17.53	542	307	0.51	23092	38.09
449	82	0.14	4191	6.91	496	211	0.35	10839	17.88	543	315	0.52	23407	38.61
450	105	0.17	4296	7.09	497	232	0.38	11071	18.26	544	303	0.50	23710	39.11
451	87	0.14	4383	7.23	498	241	0.40	11312	18.66	545	311	0.51	24021	39.62
452	88	0.15	4471	7.37	499	231	0.38	11543	19.04	546	314	0.52	24335	40.14
453	98	0.16	4569	7.54	500	211	0.35	11754	19.39	547	346	0.57	24681	40.71
454	97	0.16	4666	7.70	501	247	0.41	12001	19.79	548	303	0.50	24984	41.21
455	107	0.18	4773	7.87	502	216	0.36	12217	20.15	549	318	0.52	25302	41.73
456	96	0.16	4869	8.03	503	241	0.40	12458	20.55	550	324	0.53	25626	42.27
457	93	0.15	4962	8.18	504	244	0.40	12702	20.95	551	298	0.49	25924	42.76
458	95	0.16	5057	8.34	505	231	0.38	12933	21.33	552	327	0.54	26251	43.30
459	101	0.17	5158	8.51	506	233	0.38	13166	21.72	553	347	0.57	26598	43.87
460	130	0.21	5288	8.72	507	273	0.45	13439	22.17	554	330	0.54	26928	44.41
461	99	0.16	5387	8.89	508	258	0.43	13697	22.59	555	335	0.55	27263	44.97
462	107	0.18	5494	9.06	509	260	0.43	13957	23.02	556	317	0.52	27580	45.49
463	111	0.18	5605	9.24	510	230	0.38	14187	23.40	557	358	0.59	27938	46.08
464	125	0.21	5730	9.45	511	227	0.37	14414	23.77	558	327	0.54	28265	46.62
465	120	0.20	5850	9.65	512	253	0.42	14667	24.19	559	326	0.54	28591	47.16
466	121	0.20	5971	9.85	513	265	0.44	14932	24.63	560	282	0.47	28873	47.62
467	132	0.22	6103	10.07	514	263	0.43	15195	25.06	561	338	0.56	29211	48.18
468	115	0.19	6218	10.26	515	248	0.41	15443	25.47	562	314	0.52	29525	48.70
469	150	0.25	6368	10.50	516	262	0.43	15705	25.90	563	324	0.53	29849	49.23

Table 178. Scale Score Distribution, Mathematics Grade 7 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
564	351	0.58	30200	49.81	611	292	0.48	45294	74.71	658	134	0.22	55373	91.33
565	309	0.51	30509	50.32	612	287	0.47	45581	75.18	659	156	0.26	55529	91.59
566	296	0.49	30805	50.81	613	285	0.47	45866	75.65	660	166	0.27	55695	91.86
567	341	0.56	31146	51.37	614	292	0.48	46158	76.13	661	131	0.22	55826	92.08
568	330	0.54	31476	51.91	615	255	0.42	46413	76.55	662	147	0.24	55973	92.32
569	350	0.58	31826	52.49	616	276	0.46	46689	77.01	663	134	0.22	56107	92.54
570	312	0.51	32138	53.01	617	268	0.44	46957	77.45	664	107	0.18	56214	92.72
571	348	0.57	32486	53.58	618	307	0.51	47264	77.95	665	136	0.22	56350	92.94
572	333	0.55	32819	54.13	619	258	0.43	47522	78.38	666	113	0.19	56463	93.13
573	312	0.51	33131	54.64	620	230	0.38	47752	78.76	667	117	0.19	56580	93.32
574	331	0.55	33462	55.19	621	258	0.43	48010	79.19	668	137	0.23	56717	93.55
575	346	0.57	33808	55.76	622	258	0.43	48268	79.61	669	106	0.17	56823	93.72
576	348	0.57	34156	56.34	623	244	0.40	48512	80.01	670	98	0.16	56921	93.88
577	323	0.53	34479	56.87	624	237	0.39	48749	80.40	671	104	0.17	57025	94.05
578	376	0.62	34855	57.49	625	239	0.39	48988	80.80	672	129	0.21	57154	94.27
579	318	0.52	35173	58.01	626	251	0.41	49239	81.21	673	111	0.18	57265	94.45
580	320	0.53	35493	58.54	627	229	0.38	49468	81.59	674	104	0.17	57369	94.62
581	328	0.54	35821	59.08	628	235	0.39	49703	81.98	675	92	0.15	57461	94.77
582	304	0.50	36125	59.58	629	236	0.39	49939	82.37	676	108	0.18	57569	94.95
583	350	0.58	36475	60.16	630	193	0.32	50132	82.69	677	92	0.15	57661	95.10
584	321	0.53	36796	60.69	631	252	0.42	50384	83.10	678	82	0.14	57743	95.24
585	355	0.59	37151	61.27	632	214	0.35	50598	83.45	679	93	0.15	57836	95.39
586	314	0.52	37465	61.79	633	216	0.36	50814	83.81	680	90	0.15	57926	95.54
587	330	0.54	37795	62.34	634	224	0.37	51038	84.18	681	86	0.14	58012	95.68
588	318	0.52	38113	62.86	635	212	0.35	51250	84.53	682	74	0.12	58086	95.80
589	320	0.53	38433	63.39	636	209	0.34	51459	84.87	683	90	0.15	58176	95.95
590	349	0.58	38782	63.97	637	219	0.36	51678	85.24	684	86	0.14	58262	96.09
591	347	0.57	39129	64.54	638	191	0.32	51869	85.55	685	89	0.15	58351	96.24
592	318	0.52	39447	65.06	639	188	0.31	52057	85.86	686	77	0.13	58428	96.37
593	334	0.55	39781	65.61	640	206	0.34	52263	86.20	687	74	0.12	58502	96.49
594	351	0.58	40132	66.19	641	215	0.35	52478	86.55	688	70	0.12	58572	96.61
595	317	0.52	40449	66.71	642	195	0.32	52673	86.88	689	59	0.10	58631	96.70
596	301	0.50	40750	67.21	643	192	0.32	52865	87.19	690	56	0.09	58687	96.80
597	334	0.55	41084	67.76	644	183	0.30	53048	87.49	691	76	0.13	58763	96.92
598	332	0.55	41416	68.31	645	201	0.33	53249	87.83	692	43	0.07	58806	96.99
599	269	0.44	41685	68.75	646	189	0.31	53438	88.14	693	54	0.09	58860	97.08
600	308	0.51	41993	69.26	647	187	0.31	53625	88.45	694	64	0.11	58924	97.19
601	280	0.46	42273	69.72	648	188	0.31	53813	88.76	695	56	0.09	58980	97.28
602	336	0.55	42609	70.28	649	171	0.28	53984	89.04	696	49	0.08	59029	97.36
603	312	0.51	42921	70.79	650	183	0.30	54167	89.34	697	57	0.09	59086	97.45
604	333	0.55	43254	71.34	651	152	0.25	54319	89.59	698	51	0.08	59137	97.54
605	288	0.48	43542	71.82	652	180	0.30	54499	89.89	699	59	0.10	59196	97.63
606	301	0.50	43843	72.31	653	148	0.24	54647	90.13	700	51	0.08	59247	97.72
607	285	0.47	44128	72.78	654	157	0.26	54804	90.39	701	49	0.08	59296	97.80
608	299	0.49	44427	73.28	655	149	0.25	54953	90.64	702	50	0.08	59346	97.88
609	305	0.50	44732	73.78	656	146	0.24	55099	90.88	703	42	0.07	59388	97.95
610	270	0.45	45002	74.22	657	140	0.23	55239	91.11	704	51	0.08	59439	98.04

Table 178. Scale Score Distribution, Mathematics Grade 7 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
705	44	0.07	59483	98.11	752	7	0.01	60423	99.66	812	3	0.00	60601	99.95
706	41	0.07	59524	98.18	753	7	0.01	60430	99.67	814	1	0.00	60602	99.95
707	44	0.07	59568	98.25	754	11	0.02	60441	99.69	815	2	0.00	60604	99.96
708	42	0.07	59610	98.32	755	9	0.01	60450	99.70	818	1	0.00	60605	99.96
709	26	0.04	59636	98.36	756	2	0.00	60452	99.71	819	2	0.00	60607	99.96
710	40	0.07	59676	98.43	757	7	0.01	60459	99.72	820	1	0.00	60608	99.96
711	37	0.06	59713	98.49	758	6	0.01	60465	99.73	822	1	0.00	60609	99.97
712	26	0.04	59739	98.53	759	8	0.01	60473	99.74	828	1	0.00	60610	99.97
713	34	0.06	59773	98.59	760	5	0.01	60478	99.75	829	1	0.00	60611	99.97
714	28	0.05	59801	98.63	761	2	0.00	60480	99.75	834	3	0.00	60614	99.97
715	28	0.05	59829	98.68	762	6	0.01	60486	99.76	841	2	0.00	60616	99.98
716	23	0.04	59852	98.72	763	5	0.01	60491	99.77	842	1	0.00	60617	99.98
717	24	0.04	59876	98.76	764	4	0.01	60495	99.78	843	1	0.00	60618	99.98
718	27	0.04	59903	98.80	765	1	0.00	60496	99.78	846	1	0.00	60619	99.98
719	24	0.04	59927	98.84	766	3	0.00	60499	99.78	860	11	0.02	60630	100.00
720	27	0.04	59954	98.89	767	7	0.01	60506	99.80					
721	30	0.05	59984	98.93	768	1	0.00	60507	99.80					
722	21	0.03	60005	98.97	769	3	0.00	60510	99.80					
723	24	0.04	60029	99.01	770	3	0.00	60513	99.81					
724	22	0.04	60051	99.05	771	7	0.01	60520	99.82					
725	19	0.03	60070	99.08	772	5	0.01	60525	99.83					
726	15	0.02	60085	99.10	773	4	0.01	60529	99.83					
727	28	0.05	60113	99.15	774	3	0.00	60532	99.84					
728	12	0.02	60125	99.17	775	6	0.01	60538	99.85					
729	21	0.03	60146	99.20	776	1	0.00	60539	99.85					
730	26	0.04	60172	99.24	777	2	0.00	60541	99.85					
731	21	0.03	60193	99.28	778	3	0.00	60544	99.86					
732	14	0.02	60207	99.30	779	1	0.00	60545	99.86					
733	21	0.03	60228	99.34	781	5	0.01	60550	99.87					
734	22	0.04	60250	99.37	782	3	0.00	60553	99.87					
735	10	0.02	60260	99.39	784	2	0.00	60555	99.88					
736	9	0.01	60269	99.40	785	6	0.01	60561	99.89					
737	8	0.01	60277	99.42	786	4	0.01	60565	99.89					
738	13	0.02	60290	99.44	788	2	0.00	60567	99.90					
739	12	0.02	60302	99.46	789	2	0.00	60569	99.90					
740	10	0.02	60312	99.48	790	4	0.01	60573	99.91					
741	9	0.01	60321	99.49	791	4	0.01	60577	99.91					
742	6	0.01	60327	99.50	792	1	0.00	60578	99.91					
743	17	0.03	60344	99.53	795	2	0.00	60580	99.92					
744	8	0.01	60352	99.54	796	2	0.00	60582	99.92					
745	9	0.01	60361	99.56	800	2	0.00	60584	99.92					
746	8	0.01	60369	99.57	801	1	0.00	60585	99.93					
747	12	0.02	60381	99.59	803	3	0.00	60588	99.93					
748	4	0.01	60385	99.60	805	2	0.00	60590	99.93					
749	11	0.02	60396	99.61	806	3	0.00	60593	99.94					
750	9	0.01	60405	99.63	809	2	0.00	60595	99.94					
751	11	0.02	60416	99.65	811	3	0.00	60598	99.95					

Table 179. Scale Score Distribution, Reading Grade 8

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
330	164	0.28	164	0.28	411	4	0.01	242	0.41	458	8	0.01	482	0.81
335	1	0.00	165	0.28	412	1	0.00	243	0.41	459	9	0.02	491	0.83
340	1	0.00	166	0.28	413	2	0.00	245	0.41	460	2	0.00	493	0.83
341	1	0.00	167	0.28	414	1	0.00	246	0.41	461	10	0.02	503	0.85
345	1	0.00	168	0.28	415	1	0.00	247	0.42	462	11	0.02	514	0.86
354	1	0.00	169	0.28	416	4	0.01	251	0.42	463	3	0.01	517	0.87
359	1	0.00	170	0.29	417	4	0.01	255	0.43	464	17	0.03	534	0.90
360	1	0.00	171	0.29	418	3	0.01	258	0.43	465	11	0.02	545	0.92
361	1	0.00	172	0.29	419	4	0.01	262	0.44	466	10	0.02	555	0.93
362	1	0.00	173	0.29	420	3	0.01	265	0.45	467	6	0.01	561	0.94
365	1	0.00	174	0.29	421	2	0.00	267	0.45	468	12	0.02	573	0.96
366	3	0.01	177	0.30	422	1	0.00	268	0.45	469	12	0.02	585	0.98
367	2	0.00	179	0.30	423	4	0.01	272	0.46	470	10	0.02	595	1.00
368	2	0.00	181	0.30	424	6	0.01	278	0.47	471	12	0.02	607	1.02
369	1	0.00	182	0.31	425	5	0.01	283	0.48	472	8	0.01	615	1.03
370	1	0.00	183	0.31	426	4	0.01	287	0.48	473	5	0.01	620	1.04
371	1	0.00	184	0.31	427	6	0.01	293	0.49	474	8	0.01	628	1.06
373	1	0.00	185	0.31	428	4	0.01	297	0.50	475	16	0.03	644	1.08
374	1	0.00	186	0.31	429	4	0.01	301	0.51	476	13	0.02	657	1.10
375	3	0.01	189	0.32	430	8	0.01	309	0.52	477	9	0.02	666	1.12
376	1	0.00	190	0.32	431	4	0.01	313	0.53	478	12	0.02	678	1.14
378	1	0.00	191	0.32	432	4	0.01	317	0.53	479	8	0.01	686	1.15
379	1	0.00	192	0.32	433	2	0.00	319	0.54	480	16	0.03	702	1.18
380	1	0.00	193	0.32	434	5	0.01	324	0.54	481	7	0.01	709	1.19
381	2	0.00	195	0.33	435	5	0.01	329	0.55	482	10	0.02	719	1.21
384	2	0.00	197	0.33	436	5	0.01	334	0.56	483	12	0.02	731	1.23
385	1	0.00	198	0.33	437	5	0.01	339	0.57	484	13	0.02	744	1.25
386	1	0.00	199	0.33	438	8	0.01	347	0.58	485	14	0.02	758	1.27
387	2	0.00	201	0.34	439	9	0.02	356	0.60	486	16	0.03	774	1.30
389	2	0.00	203	0.34	440	4	0.01	360	0.61	487	14	0.02	788	1.32
390	1	0.00	204	0.34	441	6	0.01	366	0.62	488	21	0.04	809	1.36
391	3	0.01	207	0.35	442	5	0.01	371	0.62	489	10	0.02	819	1.38
392	1	0.00	208	0.35	443	5	0.01	376	0.63	490	16	0.03	835	1.40
394	2	0.00	210	0.35	444	8	0.01	384	0.65	491	12	0.02	847	1.42
397	2	0.00	212	0.36	445	6	0.01	390	0.66	492	20	0.03	867	1.46
398	2	0.00	214	0.36	446	6	0.01	396	0.67	493	20	0.03	887	1.49
399	1	0.00	215	0.36	447	4	0.01	400	0.67	494	22	0.04	909	1.53
400	3	0.01	218	0.37	448	5	0.01	405	0.68	495	14	0.02	923	1.55
401	3	0.01	221	0.37	449	10	0.02	415	0.70	496	15	0.03	938	1.58
402	2	0.00	223	0.37	450	8	0.01	423	0.71	497	23	0.04	961	1.62
403	2	0.00	225	0.38	451	4	0.01	427	0.72	498	22	0.04	983	1.65
404	4	0.01	229	0.39	452	5	0.01	432	0.73	499	21	0.04	1004	1.69
405	2	0.00	231	0.39	453	9	0.02	441	0.74	500	17	0.03	1021	1.72
406	2	0.00	233	0.39	454	5	0.01	446	0.75	501	17	0.03	1038	1.75
407	2	0.00	235	0.40	455	8	0.01	454	0.76	502	16	0.03	1054	1.77
409	1	0.00	236	0.40	456	7	0.01	461	0.78	503	27	0.05	1081	1.82
410	2	0.00	238	0.40	457	13	0.02	474	0.80	504	25	0.04	1106	1.86

Table 179. Scale Score Distribution, Reading Grade 8 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
505	23	0.04	1129	1.90	552	93	0.16	3521	5.92	599	207	0.35	10141	17.05
506	28	0.05	1157	1.95	553	78	0.13	3599	6.05	600	223	0.37	10364	17.42
507	29	0.05	1186	1.99	554	74	0.12	3673	6.18	601	221	0.37	10585	17.80
508	28	0.05	1214	2.04	555	91	0.15	3764	6.33	602	256	0.43	10841	18.23
509	24	0.04	1238	2.08	556	92	0.15	3856	6.48	603	225	0.38	11066	18.61
510	33	0.06	1271	2.14	557	88	0.15	3944	6.63	604	234	0.39	11300	19.00
511	32	0.05	1303	2.19	558	100	0.17	4044	6.80	605	232	0.39	11532	19.39
512	23	0.04	1326	2.23	559	85	0.14	4129	6.94	606	240	0.40	11772	19.79
513	26	0.04	1352	2.27	560	94	0.16	4223	7.10	607	264	0.44	12036	20.24
514	37	0.06	1389	2.34	561	105	0.18	4328	7.28	608	255	0.43	12291	20.66
515	40	0.07	1429	2.40	562	81	0.14	4409	7.41	609	240	0.40	12531	21.07
516	35	0.06	1464	2.46	563	96	0.16	4505	7.57	610	248	0.42	12779	21.49
517	28	0.05	1492	2.51	564	95	0.16	4600	7.73	611	251	0.42	13030	21.91
518	38	0.06	1530	2.57	565	125	0.21	4725	7.94	612	304	0.51	13334	22.42
519	26	0.04	1556	2.62	566	111	0.19	4836	8.13	613	256	0.43	13590	22.85
520	49	0.08	1605	2.70	567	126	0.21	4962	8.34	614	278	0.47	13868	23.32
521	44	0.07	1649	2.77	568	125	0.21	5087	8.55	615	293	0.49	14161	23.81
522	44	0.07	1693	2.85	569	120	0.20	5207	8.75	616	298	0.50	14459	24.31
523	34	0.06	1727	2.90	570	140	0.24	5347	8.99	617	304	0.51	14763	24.82
524	48	0.08	1775	2.98	571	117	0.20	5464	9.19	618	281	0.47	15044	25.29
525	51	0.09	1826	3.07	572	140	0.24	5604	9.42	619	304	0.51	15348	25.80
526	56	0.09	1882	3.16	573	134	0.23	5738	9.65	620	325	0.55	15673	26.35
527	46	0.08	1928	3.24	574	127	0.21	5865	9.86	621	300	0.50	15973	26.86
528	53	0.09	1981	3.33	575	133	0.22	5998	10.08	622	310	0.52	16283	27.38
529	56	0.09	2037	3.42	576	137	0.23	6135	10.31	623	335	0.56	16618	27.94
530	48	0.08	2085	3.51	577	123	0.21	6258	10.52	624	334	0.56	16952	28.50
531	44	0.07	2129	3.58	578	143	0.24	6401	10.76	625	343	0.58	17295	29.08
532	52	0.09	2181	3.67	579	122	0.21	6523	10.97	626	317	0.53	17612	29.61
533	57	0.10	2238	3.76	580	174	0.29	6697	11.26	627	330	0.55	17942	30.17
534	53	0.09	2291	3.85	581	144	0.24	6841	11.50	628	322	0.54	18264	30.71
535	52	0.09	2343	3.94	582	165	0.28	7006	11.78	629	370	0.62	18634	31.33
536	52	0.09	2395	4.03	583	172	0.29	7178	12.07	630	336	0.56	18970	31.89
537	53	0.09	2448	4.12	584	133	0.22	7311	12.29	631	333	0.56	19303	32.45
538	51	0.09	2499	4.20	585	154	0.26	7465	12.55	632	364	0.61	19667	33.07
539	54	0.09	2553	4.29	586	166	0.28	7631	12.83	633	397	0.67	20064	33.73
540	59	0.10	2612	4.39	587	185	0.31	7816	13.14	634	363	0.61	20427	34.34
541	55	0.09	2667	4.48	588	157	0.26	7973	13.40	635	354	0.60	20781	34.94
542	60	0.10	2727	4.58	589	168	0.28	8141	13.69	636	413	0.69	21194	35.63
543	82	0.14	2809	4.72	590	188	0.32	8329	14.00	637	384	0.65	21578	36.28
544	72	0.12	2881	4.84	591	196	0.33	8525	14.33	638	396	0.67	21974	36.94
545	73	0.12	2954	4.97	592	192	0.32	8717	14.66	639	399	0.67	22373	37.62
546	92	0.15	3046	5.12	593	175	0.29	8892	14.95	640	387	0.65	22760	38.27
547	81	0.14	3127	5.26	594	207	0.35	9099	15.30	641	395	0.66	23155	38.93
548	65	0.11	3192	5.37	595	173	0.29	9272	15.59	642	430	0.72	23585	39.65
549	69	0.12	3261	5.48	596	209	0.35	9481	15.94	643	413	0.69	23998	40.35
550	79	0.13	3340	5.62	597	225	0.38	9706	16.32	644	373	0.63	24371	40.97
551	88	0.15	3428	5.76	598	228	0.38	9934	16.70	645	386	0.65	24757	41.62

Table 179. Scale Score Distribution, Reading Grade 8 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
646	409	0.69	25166	42.31	693	374	0.63	45538	76.56	740	110	0.18	57153	96.09
647	422	0.71	25588	43.02	694	415	0.70	45953	77.26	741	114	0.19	57267	96.28
648	446	0.75	26034	43.77	695	400	0.67	46353	77.93	742	104	0.17	57371	96.46
649	422	0.71	26456	44.48	696	351	0.59	46704	78.52	743	100	0.17	57471	96.63
650	436	0.73	26892	45.21	697	359	0.60	47063	79.13	744	78	0.13	57549	96.76
651	398	0.67	27290	45.88	698	395	0.66	47458	79.79	745	82	0.14	57631	96.89
652	445	0.75	27735	46.63	699	353	0.59	47811	80.38	746	82	0.14	57713	97.03
653	471	0.79	28206	47.42	700	325	0.55	48136	80.93	747	82	0.14	57795	97.17
654	455	0.76	28661	48.19	701	356	0.60	48492	81.53	748	83	0.14	57878	97.31
655	418	0.70	29079	48.89	702	357	0.60	48849	82.13	749	80	0.13	57958	97.44
656	436	0.73	29515	49.62	703	328	0.55	49177	82.68	750	78	0.13	58036	97.58
657	465	0.78	29980	50.41	704	345	0.58	49522	83.26	751	70	0.12	58106	97.69
658	435	0.73	30415	51.14	705	316	0.53	49838	83.79	752	68	0.11	58174	97.81
659	420	0.71	30835	51.84	706	310	0.52	50148	84.31	753	63	0.11	58237	97.91
660	450	0.76	31285	52.60	707	299	0.50	50447	84.82	754	49	0.08	58286	98.00
661	431	0.72	31716	53.32	708	296	0.50	50743	85.31	755	60	0.10	58346	98.10
662	461	0.78	32177	54.10	709	318	0.53	51061	85.85	756	68	0.11	58414	98.21
663	500	0.84	32677	54.94	710	284	0.48	51345	86.33	757	53	0.09	58467	98.30
664	493	0.83	33170	55.77	711	277	0.47	51622	86.79	758	53	0.09	58520	98.39
665	437	0.73	33607	56.50	712	298	0.50	51920	87.29	759	53	0.09	58573	98.48
666	432	0.73	34039	57.23	713	263	0.44	52183	87.73	760	48	0.08	58621	98.56
667	435	0.73	34474	57.96	714	247	0.42	52430	88.15	761	47	0.08	58668	98.64
668	414	0.70	34888	58.66	715	249	0.42	52679	88.57	762	48	0.08	58716	98.72
669	467	0.79	35355	59.44	716	250	0.42	52929	88.99	763	46	0.08	58762	98.80
670	456	0.77	35811	60.21	717	241	0.41	53170	89.39	764	39	0.07	58801	98.86
671	459	0.77	36270	60.98	718	268	0.45	53438	89.84	765	31	0.05	58832	98.91
672	422	0.71	36692	61.69	719	240	0.40	53678	90.25	766	22	0.04	58854	98.95
673	431	0.72	37123	62.41	720	221	0.37	53899	90.62	767	28	0.05	58882	99.00
674	461	0.78	37584	63.19	721	211	0.35	54110	90.97	768	23	0.04	58905	99.04
675	429	0.72	38013	63.91	722	233	0.39	54343	91.37	769	29	0.05	58934	99.09
676	449	0.75	38462	64.67	723	239	0.40	54582	91.77	770	38	0.06	58972	99.15
677	437	0.73	38899	65.40	724	214	0.36	54796	92.13	771	33	0.06	59005	99.20
678	441	0.74	39340	66.14	725	167	0.28	54963	92.41	772	22	0.04	59027	99.24
679	451	0.76	39791	66.90	726	174	0.29	55137	92.70	773	26	0.04	59053	99.29
680	422	0.71	40213	67.61	727	182	0.31	55319	93.01	774	22	0.04	59075	99.32
681	462	0.78	40675	68.39	728	164	0.28	55483	93.28	775	13	0.02	59088	99.34
682	451	0.76	41126	69.14	729	177	0.30	55660	93.58	776	22	0.04	59110	99.38
683	431	0.72	41557	69.87	730	170	0.29	55830	93.87	777	24	0.04	59134	99.42
684	384	0.65	41941	70.52	731	163	0.27	55993	94.14	778	13	0.02	59147	99.44
685	443	0.74	42384	71.26	732	132	0.22	56125	94.36	779	18	0.03	59165	99.47
686	442	0.74	42826	72.00	733	154	0.26	56279	94.62	780	15	0.03	59180	99.50
687	389	0.65	43215	72.66	734	134	0.23	56413	94.85	781	9	0.02	59189	99.51
688	375	0.63	43590	73.29	735	118	0.20	56531	95.05	782	15	0.03	59204	99.54
689	408	0.69	43998	73.97	736	124	0.21	56655	95.25	783	11	0.02	59215	99.56
690	393	0.66	44391	74.63	737	123	0.21	56778	95.46	784	13	0.02	59228	99.58
691	397	0.67	44788	75.30	738	151	0.25	56929	95.71	785	13	0.02	59241	99.60
692	376	0.63	45164	75.93	739	114	0.19	57043	95.91	786	20	0.03	59261	99.64

Table 179. Scale Score Distribution, Reading Grade 8 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
787	14	0.02	59275	99.66	841	1	0.00	59467	99.98
788	13	0.02	59288	99.68	843	1	0.00	59468	99.98
789	7	0.01	59295	99.69	845	1	0.00	59469	99.98
790	8	0.01	59303	99.71	851	1	0.00	59470	99.99
791	9	0.02	59312	99.72	853	1	0.00	59471	99.99
792	9	0.02	59321	99.74	854	1	0.00	59472	99.99
793	3	0.01	59324	99.74	862	1	0.00	59473	99.99
794	8	0.01	59332	99.75	863	1	0.00	59474	99.99
795	9	0.02	59341	99.77	865	1	0.00	59475	99.99
796	6	0.01	59347	99.78	867	1	0.00	59476	100.00
797	8	0.01	59355	99.79	888	1	0.00	59477	100.00
798	7	0.01	59362	99.80	898	1	0.00	59478	100.00
799	2	0.00	59364	99.81					
800	9	0.02	59373	99.82					
801	5	0.01	59378	99.83					
802	4	0.01	59382	99.84					
803	3	0.01	59385	99.84					
804	9	0.02	59394	99.86					
805	4	0.01	59398	99.87					
806	4	0.01	59402	99.87					
807	6	0.01	59408	99.88					
808	2	0.00	59410	99.89					
809	1	0.00	59411	99.89					
810	2	0.00	59413	99.89					
811	2	0.00	59415	99.89					
812	3	0.01	59418	99.90					
814	3	0.01	59421	99.90					
815	3	0.01	59424	99.91					
816	4	0.01	59428	99.92					
817	2	0.00	59430	99.92					
818	2	0.00	59432	99.92					
819	3	0.01	59435	99.93					
820	5	0.01	59440	99.94					
821	4	0.01	59444	99.94					
824	5	0.01	59449	99.95					
825	2	0.00	59451	99.95					
826	2	0.00	59453	99.96					
827	1	0.00	59454	99.96					
828	2	0.00	59456	99.96					
829	1	0.00	59457	99.96					
830	1	0.00	59458	99.97					
831	2	0.00	59460	99.97					
832	2	0.00	59462	99.97					
833	1	0.00	59463	99.97					
837	1	0.00	59464	99.98					
838	1	0.00	59465	99.98					
840	1	0.00	59466	99.98					

Table 180. Scale Score Distribution, Writing Grade 8

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
250	25	0.04	25	0.04	332	2	0.00	106	0.18	379	16	0.03	417	0.70
251	2	0.00	27	0.05	333	2	0.00	108	0.18	380	8	0.01	425	0.72
254	2	0.00	29	0.05	334	1	0.00	109	0.18	381	19	0.03	444	0.75
257	1	0.00	30	0.05	335	2	0.00	111	0.19	382	15	0.03	459	0.77
263	1	0.00	31	0.05	336	4	0.01	115	0.19	383	9	0.02	468	0.79
266	2	0.00	33	0.06	337	7	0.01	122	0.21	384	10	0.02	478	0.81
269	1	0.00	34	0.06	338	4	0.01	126	0.21	385	17	0.03	495	0.83
270	1	0.00	35	0.06	339	6	0.01	132	0.22	386	19	0.03	514	0.87
273	1	0.00	36	0.06	340	6	0.01	138	0.23	387	20	0.03	534	0.90
277	3	0.01	39	0.07	341	4	0.01	142	0.24	388	13	0.02	547	0.92
278	3	0.01	42	0.07	342	5	0.01	147	0.25	389	14	0.02	561	0.95
279	1	0.00	43	0.07	343	4	0.01	151	0.25	390	15	0.03	576	0.97
283	1	0.00	44	0.07	344	2	0.00	153	0.26	391	6	0.01	582	0.98
285	1	0.00	45	0.08	345	2	0.00	155	0.26	392	20	0.03	602	1.02
286	1	0.00	46	0.08	346	4	0.01	159	0.27	393	16	0.03	618	1.04
288	2	0.00	48	0.08	347	2	0.00	161	0.27	394	11	0.02	629	1.06
291	1	0.00	49	0.08	348	4	0.01	165	0.28	395	27	0.05	656	1.11
293	2	0.00	51	0.09	349	4	0.01	169	0.28	396	24	0.04	680	1.15
294	1	0.00	52	0.09	350	3	0.01	172	0.29	397	18	0.03	698	1.18
298	1	0.00	53	0.09	351	5	0.01	177	0.30	398	21	0.04	719	1.21
300	3	0.01	56	0.09	352	4	0.01	181	0.31	399	25	0.04	744	1.25
303	1	0.00	57	0.10	353	5	0.01	186	0.31	400	17	0.03	761	1.28
304	1	0.00	58	0.10	354	1	0.00	187	0.32	401	22	0.04	783	1.32
305	1	0.00	59	0.10	355	7	0.01	194	0.33	402	20	0.03	803	1.35
306	1	0.00	60	0.10	356	7	0.01	201	0.34	403	28	0.05	831	1.40
307	1	0.00	61	0.10	357	3	0.01	204	0.34	404	20	0.03	851	1.43
308	1	0.00	62	0.10	358	6	0.01	210	0.35	405	27	0.05	878	1.48
309	2	0.00	64	0.11	359	6	0.01	216	0.36	406	20	0.03	898	1.51
310	3	0.01	67	0.11	360	9	0.02	225	0.38	407	23	0.04	921	1.55
311	3	0.01	70	0.12	361	9	0.02	234	0.39	408	26	0.04	947	1.60
312	3	0.01	73	0.12	362	8	0.01	242	0.41	409	20	0.03	967	1.63
313	2	0.00	75	0.13	363	7	0.01	249	0.42	410	29	0.05	996	1.68
314	1	0.00	76	0.13	364	7	0.01	256	0.43	411	30	0.05	1026	1.73
315	1	0.00	77	0.13	365	8	0.01	264	0.45	412	26	0.04	1052	1.77
317	2	0.00	79	0.13	366	11	0.02	275	0.46	413	33	0.06	1085	1.83
319	2	0.00	81	0.14	367	12	0.02	287	0.48	414	26	0.04	1111	1.87
320	3	0.01	84	0.14	368	10	0.02	297	0.50	415	36	0.06	1147	1.93
322	5	0.01	89	0.15	369	7	0.01	304	0.51	416	29	0.05	1176	1.98
323	1	0.00	90	0.15	370	9	0.02	313	0.53	417	35	0.06	1211	2.04
324	2	0.00	92	0.16	371	14	0.02	327	0.55	418	27	0.05	1238	2.09
325	2	0.00	94	0.16	372	5	0.01	332	0.56	419	30	0.05	1268	2.14
326	2	0.00	96	0.16	373	9	0.02	341	0.57	420	38	0.06	1306	2.20
327	2	0.00	98	0.17	374	13	0.02	354	0.60	421	33	0.06	1339	2.26
328	1	0.00	99	0.17	375	7	0.01	361	0.61	422	38	0.06	1377	2.32
329	2	0.00	101	0.17	376	15	0.03	376	0.63	423	44	0.07	1421	2.40
330	1	0.00	102	0.17	377	7	0.01	383	0.65	424	38	0.06	1459	2.46
331	2	0.00	104	0.18	378	18	0.03	401	0.68	425	52	0.09	1511	2.55

Table 180. Scale Score Distribution, Writing Grade 8 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
426	51	0.09	1562	2.63	473	119	0.20	5326	8.98	520	290	0.49	15004	25.30
427	33	0.06	1595	2.69	474	154	0.26	5480	9.24	521	262	0.44	15266	25.74
428	30	0.05	1625	2.74	475	150	0.25	5630	9.49	522	272	0.46	15538	26.20
429	34	0.06	1659	2.80	476	135	0.23	5765	9.72	523	287	0.48	15825	26.68
430	42	0.07	1701	2.87	477	144	0.24	5909	9.96	524	298	0.50	16123	27.19
431	44	0.07	1745	2.94	478	132	0.22	6041	10.19	525	326	0.55	16449	27.74
432	42	0.07	1787	3.01	479	151	0.25	6192	10.44	526	308	0.52	16757	28.25
433	52	0.09	1839	3.10	480	148	0.25	6340	10.69	527	303	0.51	17060	28.77
434	55	0.09	1894	3.19	481	148	0.25	6488	10.94	528	281	0.47	17341	29.24
435	55	0.09	1949	3.29	482	163	0.27	6651	11.21	529	300	0.51	17641	29.75
436	58	0.10	2007	3.38	483	152	0.26	6803	11.47	530	308	0.52	17949	30.26
437	56	0.09	2063	3.48	484	163	0.27	6966	11.75	531	320	0.54	18269	30.80
438	56	0.09	2119	3.57	485	185	0.31	7151	12.06	532	325	0.55	18594	31.35
439	61	0.10	2180	3.68	486	179	0.30	7330	12.36	533	315	0.53	18909	31.88
440	60	0.10	2240	3.78	487	188	0.32	7518	12.68	534	350	0.59	19259	32.47
441	66	0.11	2306	3.89	488	175	0.30	7693	12.97	535	298	0.50	19557	32.98
442	68	0.11	2374	4.00	489	202	0.34	7895	13.31	536	311	0.52	19868	33.50
443	61	0.10	2435	4.11	490	182	0.31	8077	13.62	537	334	0.56	20202	34.06
444	67	0.11	2502	4.22	491	183	0.31	8260	13.93	538	328	0.55	20530	34.62
445	74	0.12	2576	4.34	492	194	0.33	8454	14.25	539	338	0.57	20868	35.19
446	57	0.10	2633	4.44	493	204	0.34	8658	14.60	540	339	0.57	21207	35.76
447	71	0.12	2704	4.56	494	214	0.36	8872	14.96	541	342	0.58	21549	36.33
448	74	0.12	2778	4.68	495	192	0.32	9064	15.28	542	336	0.57	21885	36.90
449	75	0.13	2853	4.81	496	215	0.36	9279	15.65	543	328	0.55	22213	37.45
450	96	0.16	2949	4.97	497	213	0.36	9492	16.00	544	356	0.60	22569	38.05
451	73	0.12	3022	5.10	498	217	0.37	9709	16.37	545	334	0.56	22903	38.62
452	81	0.14	3103	5.23	499	173	0.29	9882	16.66	546	332	0.56	23235	39.18
453	78	0.13	3181	5.36	500	208	0.35	10090	17.01	547	350	0.59	23585	39.77
454	96	0.16	3277	5.53	501	211	0.36	10301	17.37	548	380	0.64	23965	40.41
455	92	0.16	3369	5.68	502	214	0.36	10515	17.73	549	360	0.61	24325	41.02
456	95	0.16	3464	5.84	503	225	0.38	10740	18.11	550	371	0.63	24696	41.64
457	112	0.19	3576	6.03	504	221	0.37	10961	18.48	551	332	0.56	25028	42.20
458	99	0.17	3675	6.20	505	232	0.39	11193	18.87	552	362	0.61	25390	42.81
459	94	0.16	3769	6.36	506	236	0.40	11429	19.27	553	388	0.65	25778	43.47
460	86	0.15	3855	6.50	507	236	0.40	11665	19.67	554	373	0.63	26151	44.09
461	100	0.17	3955	6.67	508	242	0.41	11907	20.08	555	339	0.57	26490	44.67
462	98	0.17	4053	6.83	509	228	0.38	12135	20.46	556	341	0.57	26831	45.24
463	76	0.13	4129	6.96	510	259	0.44	12394	20.90	557	396	0.67	27227	45.91
464	96	0.16	4225	7.12	511	219	0.37	12613	21.27	558	378	0.64	27605	46.55
465	123	0.21	4348	7.33	512	240	0.40	12853	21.67	559	387	0.65	27992	47.20
466	107	0.18	4455	7.51	513	233	0.39	13086	22.06	560	334	0.56	28326	47.76
467	120	0.20	4575	7.71	514	254	0.43	13340	22.49	561	383	0.65	28709	48.41
468	128	0.22	4703	7.93	515	265	0.45	13605	22.94	562	361	0.61	29070	49.02
469	130	0.22	4833	8.15	516	270	0.46	13875	23.40	563	365	0.62	29435	49.63
470	109	0.18	4942	8.33	517	270	0.46	14145	23.85	564	375	0.63	29810	50.26
471	126	0.21	5068	8.55	518	274	0.46	14419	24.31	565	361	0.61	30171	50.87
472	139	0.23	5207	8.78	519	295	0.50	14714	24.81	566	367	0.62	30538	51.49

Table 180. Scale Score Distribution, Writing Grade 8 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
567	355	0.60	30893	52.09	614	254	0.43	46090	77.71	661	105	0.18	54813	92.42
568	324	0.55	31217	52.64	615	273	0.46	46363	78.17	662	104	0.18	54917	92.60
569	337	0.57	31554	53.20	616	247	0.42	46610	78.59	663	109	0.18	55026	92.78
570	358	0.60	31912	53.81	617	255	0.43	46865	79.02	664	104	0.18	55130	92.96
571	420	0.71	32332	54.52	618	269	0.45	47134	79.47	665	95	0.16	55225	93.12
572	329	0.55	32661	55.07	619	271	0.46	47405	79.93	666	75	0.13	55300	93.24
573	350	0.59	33011	55.66	620	235	0.40	47640	80.33	667	90	0.15	55390	93.40
574	344	0.58	33355	56.24	621	244	0.41	47884	80.74	668	82	0.14	55472	93.53
575	390	0.66	33745	56.90	622	239	0.40	48123	81.14	669	92	0.16	55564	93.69
576	375	0.63	34120	57.53	623	226	0.38	48349	81.52	670	104	0.18	55668	93.86
577	331	0.56	34451	58.09	624	256	0.43	48605	81.95	671	84	0.14	55752	94.01
578	387	0.65	34838	58.74	625	229	0.39	48834	82.34	672	110	0.19	55862	94.19
579	332	0.56	35170	59.30	626	228	0.38	49062	82.73	673	107	0.18	55969	94.37
580	360	0.61	35530	59.91	627	230	0.39	49292	83.11	674	93	0.16	56062	94.53
581	352	0.59	35882	60.50	628	227	0.38	49519	83.50	675	84	0.14	56146	94.67
582	336	0.57	36218	61.07	629	206	0.35	49725	83.84	676	60	0.10	56206	94.77
583	334	0.56	36552	61.63	630	225	0.38	49950	84.22	677	77	0.13	56283	94.90
584	382	0.64	36934	62.28	631	188	0.32	50138	84.54	678	83	0.14	56366	95.04
585	344	0.58	37278	62.86	632	194	0.33	50332	84.87	679	77	0.13	56443	95.17
586	343	0.58	37621	63.43	633	225	0.38	50557	85.25	680	103	0.17	56546	95.34
587	342	0.58	37963	64.01	634	195	0.33	50752	85.58	681	66	0.11	56612	95.46
588	348	0.59	38311	64.60	635	179	0.30	50931	85.88	682	68	0.11	56680	95.57
589	345	0.58	38656	65.18	636	163	0.27	51094	86.15	683	62	0.10	56742	95.68
590	359	0.61	39015	65.78	637	185	0.31	51279	86.46	684	46	0.08	56788	95.75
591	323	0.54	39338	66.33	638	175	0.30	51454	86.76	685	58	0.10	56846	95.85
592	297	0.50	39635	66.83	639	173	0.29	51627	87.05	686	67	0.11	56913	95.96
593	335	0.56	39970	67.40	640	156	0.26	51783	87.31	687	62	0.10	56975	96.07
594	309	0.52	40279	67.92	641	197	0.33	51980	87.65	688	56	0.09	57031	96.16
595	306	0.52	40585	68.43	642	197	0.33	52177	87.98	689	50	0.08	57081	96.25
596	310	0.52	40895	68.95	643	167	0.28	52344	88.26	690	47	0.08	57128	96.33
597	299	0.50	41194	69.46	644	151	0.25	52495	88.51	691	62	0.10	57190	96.43
598	319	0.54	41513	70.00	645	158	0.27	52653	88.78	692	94	0.16	57284	96.59
599	334	0.56	41847	70.56	646	176	0.30	52829	89.08	693	68	0.11	57352	96.70
600	303	0.51	42150	71.07	647	175	0.30	53004	89.37	694	41	0.07	57393	96.77
601	290	0.49	42440	71.56	648	162	0.27	53166	89.65	695	42	0.07	57435	96.84
602	320	0.54	42760	72.10	649	122	0.21	53288	89.85	696	61	0.10	57496	96.95
603	304	0.51	43064	72.61	650	146	0.25	53434	90.10	697	42	0.07	57538	97.02
604	271	0.46	43335	73.07	651	154	0.26	53588	90.36	698	39	0.07	57577	97.08
605	288	0.49	43623	73.55	652	127	0.21	53715	90.57	699	45	0.08	57622	97.16
606	314	0.53	43937	74.08	653	131	0.22	53846	90.79	700	38	0.06	57660	97.22
607	252	0.42	44189	74.51	654	154	0.26	54000	91.05	701	29	0.05	57689	97.27
608	266	0.45	44455	74.96	655	115	0.19	54115	91.25	702	49	0.08	57738	97.35
609	277	0.47	44732	75.42	656	132	0.22	54247	91.47	703	36	0.06	57774	97.42
610	268	0.45	45000	75.88	657	122	0.21	54369	91.67	704	43	0.07	57817	97.49
611	265	0.45	45265	76.32	658	119	0.20	54488	91.87	705	43	0.07	57860	97.56
612	298	0.50	45563	76.83	659	129	0.22	54617	92.09	706	54	0.09	57914	97.65
613	273	0.46	45836	77.29	660	91	0.15	54708	92.25	707	32	0.05	57946	97.71

Table 180. Scale Score Distribution, Writing Grade 8 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
708	51	0.09	57997	97.79	755	14	0.02	58871	99.26	819	17	0.03	59165	99.76
709	27	0.05	58024	97.84	756	6	0.01	58877	99.27	820	1	0.00	59166	99.76
710	27	0.05	58051	97.88	757	4	0.01	58881	99.28	821	1	0.00	59167	99.76
711	20	0.03	58071	97.92	758	18	0.03	58899	99.31	822	3	0.01	59170	99.77
712	20	0.03	58091	97.95	759	6	0.01	58905	99.32	825	12	0.02	59182	99.79
713	42	0.07	58133	98.02	760	1	0.00	58906	99.32	827	15	0.03	59197	99.81
714	42	0.07	58175	98.09	761	1	0.00	58907	99.33	834	1	0.00	59198	99.82
715	24	0.04	58199	98.13	762	6	0.01	58913	99.34	835	28	0.05	59226	99.86
716	22	0.04	58221	98.17	763	10	0.02	58923	99.35	837	19	0.03	59245	99.90
717	20	0.03	58241	98.20	764	4	0.01	58927	99.36	849	1	0.00	59246	99.90
718	21	0.04	58262	98.24	765	4	0.01	58931	99.37	902	1	0.00	59247	99.90
719	24	0.04	58286	98.28	766	4	0.01	58935	99.37	906	8	0.01	59255	99.91
720	17	0.03	58303	98.31	767	4	0.01	58939	99.38	910	52	0.09	59307	100.00
721	41	0.07	58344	98.38	768	5	0.01	58944	99.39					
722	26	0.04	58370	98.42	769	2	0.00	58946	99.39					
723	31	0.05	58401	98.47	770	8	0.01	58954	99.40					
724	32	0.05	58433	98.53	771	7	0.01	58961	99.42					
725	25	0.04	58458	98.57	772	11	0.02	58972	99.44					
726	22	0.04	58480	98.61	773	4	0.01	58976	99.44					
727	22	0.04	58502	98.64	774	6	0.01	58982	99.45					
728	12	0.02	58514	98.66	775	1	0.00	58983	99.45					
729	21	0.04	58535	98.70	776	7	0.01	58990	99.47					
730	14	0.02	58549	98.72	777	36	0.06	59026	99.53					
731	14	0.02	58563	98.75	778	10	0.02	59036	99.54					
732	20	0.03	58583	98.78	779	1	0.00	59037	99.54					
733	8	0.01	58591	98.79	781	23	0.04	59060	99.58					
734	15	0.03	58606	98.82	782	1	0.00	59061	99.59					
735	3	0.01	58609	98.82	783	4	0.01	59065	99.59					
736	3	0.01	58612	98.83	785	1	0.00	59066	99.59					
737	7	0.01	58619	98.84	786	1	0.00	59067	99.60					
738	16	0.03	58635	98.87	787	2	0.00	59069	99.60					
739	6	0.01	58641	98.88	789	1	0.00	59070	99.60					
740	8	0.01	58649	98.89	793	14	0.02	59084	99.62					
741	25	0.04	58674	98.93	794	12	0.02	59096	99.64					
742	17	0.03	58691	98.96	795	2	0.00	59098	99.65					
743	4	0.01	58695	98.97	796	5	0.01	59103	99.66					
744	24	0.04	58719	99.01	798	1	0.00	59104	99.66					
745	16	0.03	58735	99.04	799	1	0.00	59105	99.66					
746	29	0.05	58764	99.08	800	2	0.00	59107	99.66					
747	50	0.08	58814	99.17	801	7	0.01	59114	99.67					
748	9	0.02	58823	99.18	803	3	0.01	59117	99.68					
749	4	0.01	58827	99.19	804	7	0.01	59124	99.69					
750	4	0.01	58831	99.20	807	1	0.00	59125	99.69					
751	12	0.02	58843	99.22	808	4	0.01	59129	99.70					
752	6	0.01	58849	99.23	810	3	0.01	59132	99.70					
753	3	0.01	58852	99.23	813	6	0.01	59138	99.72					
754	5	0.01	58857	99.24	818	10	0.02	59148	99.73					

Table 181. Scale Score Distribution, Mathematics Grade 8

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
310	244	0.41	244	0.41	358	4	0.01	409	0.69	405	16	0.03	942	1.58
311	1	0.00	245	0.41	359	6	0.01	415	0.70	406	25	0.04	967	1.62
312	2	0.00	247	0.41	360	5	0.01	420	0.71	407	19	0.03	986	1.66
313	1	0.00	248	0.42	361	6	0.01	426	0.72	408	30	0.05	1016	1.71
314	1	0.00	249	0.42	362	6	0.01	432	0.73	409	17	0.03	1033	1.73
315	2	0.00	251	0.42	363	4	0.01	436	0.73	410	29	0.05	1062	1.78
316	2	0.00	253	0.42	364	9	0.02	445	0.75	411	24	0.04	1086	1.82
317	2	0.00	255	0.43	365	5	0.01	450	0.76	412	27	0.05	1113	1.87
318	4	0.01	259	0.43	366	10	0.02	460	0.77	413	31	0.05	1144	1.92
319	1	0.00	260	0.44	367	11	0.02	471	0.79	414	27	0.05	1171	1.97
320	1	0.00	261	0.44	368	11	0.02	482	0.81	415	28	0.05	1199	2.01
321	2	0.00	263	0.44	369	7	0.01	489	0.82	416	31	0.05	1230	2.07
322	3	0.01	266	0.45	370	13	0.02	502	0.84	417	14	0.02	1244	2.09
323	5	0.01	271	0.46	371	6	0.01	508	0.85	418	25	0.04	1269	2.13
324	1	0.00	272	0.46	372	8	0.01	516	0.87	419	41	0.07	1310	2.20
325	4	0.01	276	0.46	373	6	0.01	522	0.88	420	30	0.05	1340	2.25
326	2	0.00	278	0.47	374	12	0.02	534	0.90	421	32	0.05	1372	2.30
327	5	0.01	283	0.48	375	6	0.01	540	0.91	422	17	0.03	1389	2.33
328	5	0.01	288	0.48	376	9	0.02	549	0.92	423	48	0.08	1437	2.41
329	2	0.00	290	0.49	377	6	0.01	555	0.93	424	34	0.06	1471	2.47
330	5	0.01	295	0.50	378	10	0.02	565	0.95	425	22	0.04	1493	2.51
331	3	0.01	298	0.50	379	14	0.02	579	0.97	426	31	0.05	1524	2.56
332	3	0.01	301	0.51	380	15	0.03	594	1.00	427	40	0.07	1564	2.63
333	3	0.01	304	0.51	381	11	0.02	605	1.02	428	35	0.06	1599	2.69
335	2	0.00	306	0.51	382	11	0.02	616	1.03	429	30	0.05	1629	2.74
336	2	0.00	308	0.52	383	11	0.02	627	1.05	430	37	0.06	1666	2.80
337	1	0.00	309	0.52	384	11	0.02	638	1.07	431	29	0.05	1695	2.85
338	3	0.01	312	0.52	385	7	0.01	645	1.08	432	47	0.08	1742	2.93
339	4	0.01	316	0.53	386	12	0.02	657	1.10	433	44	0.07	1786	3.00
340	1	0.00	317	0.53	387	18	0.03	675	1.13	434	38	0.06	1824	3.06
341	4	0.01	321	0.54	388	14	0.02	689	1.16	435	44	0.07	1868	3.14
342	5	0.01	326	0.55	389	8	0.01	697	1.17	436	47	0.08	1915	3.22
343	4	0.01	330	0.55	390	12	0.02	709	1.19	437	48	0.08	1963	3.30
344	4	0.01	334	0.56	391	11	0.02	720	1.21	438	37	0.06	2000	3.36
345	9	0.02	343	0.58	392	17	0.03	737	1.24	439	46	0.08	2046	3.44
346	4	0.01	347	0.58	393	16	0.03	753	1.26	440	39	0.07	2085	3.50
347	6	0.01	353	0.59	394	17	0.03	770	1.29	441	49	0.08	2134	3.58
348	6	0.01	359	0.60	395	17	0.03	787	1.32	442	54	0.09	2188	3.67
349	5	0.01	364	0.61	396	10	0.02	797	1.34	443	47	0.08	2235	3.75
350	7	0.01	371	0.62	397	20	0.03	817	1.37	444	53	0.09	2288	3.84
351	5	0.01	376	0.63	398	20	0.03	837	1.41	445	51	0.09	2339	3.93
352	4	0.01	380	0.64	399	15	0.03	852	1.43	446	56	0.09	2395	4.02
353	4	0.01	384	0.64	400	13	0.02	865	1.45	447	63	0.11	2458	4.13
354	5	0.01	389	0.65	401	20	0.03	885	1.49	448	55	0.09	2513	4.22
355	6	0.01	395	0.66	402	15	0.03	900	1.51	449	65	0.11	2578	4.33
356	5	0.01	400	0.67	403	12	0.02	912	1.53	450	54	0.09	2632	4.42
357	5	0.01	405	0.68	404	14	0.02	926	1.56	451	52	0.09	2684	4.51

Table 181. Scale Score Distribution, Mathematics Grade 8 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
452	68	0.11	2752	4.62	499	157	0.26	8289	13.92	546	294	0.49	19188	32.23
453	70	0.12	2822	4.74	500	176	0.30	8465	14.22	547	303	0.51	19491	32.73
454	71	0.12	2893	4.86	501	171	0.29	8636	14.50	548	303	0.51	19794	33.24
455	75	0.13	2968	4.98	502	179	0.30	8815	14.80	549	288	0.48	20082	33.73
456	70	0.12	3038	5.10	503	173	0.29	8988	15.09	550	288	0.48	20370	34.21
457	78	0.13	3116	5.23	504	184	0.31	9172	15.40	551	338	0.57	20708	34.78
458	71	0.12	3187	5.35	505	190	0.32	9362	15.72	552	328	0.55	21036	35.33
459	74	0.12	3261	5.48	506	184	0.31	9546	16.03	553	315	0.53	21351	35.86
460	93	0.16	3354	5.63	507	187	0.31	9733	16.35	554	281	0.47	21632	36.33
461	83	0.14	3437	5.77	508	215	0.36	9948	16.71	555	305	0.51	21937	36.84
462	77	0.13	3514	5.90	509	200	0.34	10148	17.04	556	307	0.52	22244	37.36
463	90	0.15	3604	6.05	510	201	0.34	10349	17.38	557	318	0.53	22562	37.89
464	92	0.15	3696	6.21	511	206	0.35	10555	17.73	558	313	0.53	22875	38.42
465	105	0.18	3801	6.38	512	214	0.36	10769	18.09	559	337	0.57	23212	38.98
466	86	0.14	3887	6.53	513	185	0.31	10954	18.40	560	293	0.49	23505	39.48
467	98	0.16	3985	6.69	514	199	0.33	11153	18.73	561	309	0.52	23814	39.99
468	108	0.18	4093	6.87	515	226	0.38	11379	19.11	562	338	0.57	24152	40.56
469	95	0.16	4188	7.03	516	233	0.39	11612	19.50	563	334	0.56	24486	41.12
470	96	0.16	4284	7.19	517	228	0.38	11840	19.88	564	324	0.54	24810	41.67
471	111	0.19	4395	7.38	518	215	0.36	12055	20.25	565	309	0.52	25119	42.19
472	113	0.19	4508	7.57	519	235	0.39	12290	20.64	566	317	0.53	25436	42.72
473	98	0.16	4606	7.74	520	229	0.38	12519	21.03	567	373	0.63	25809	43.35
474	104	0.17	4710	7.91	521	204	0.34	12723	21.37	568	370	0.62	26179	43.97
475	111	0.19	4821	8.10	522	252	0.42	12975	21.79	569	316	0.53	26495	44.50
476	109	0.18	4930	8.28	523	214	0.36	13189	22.15	570	309	0.52	26804	45.02
477	137	0.23	5067	8.51	524	219	0.37	13408	22.52	571	311	0.52	27115	45.54
478	120	0.20	5187	8.71	525	226	0.38	13634	22.90	572	308	0.52	27423	46.06
479	122	0.20	5309	8.92	526	236	0.40	13870	23.29	573	306	0.51	27729	46.57
480	124	0.21	5433	9.12	527	248	0.42	14118	23.71	574	331	0.56	28060	47.13
481	125	0.21	5558	9.33	528	253	0.42	14371	24.14	575	296	0.50	28356	47.62
482	145	0.24	5703	9.58	529	256	0.43	14627	24.57	576	323	0.54	28679	48.17
483	144	0.24	5847	9.82	530	258	0.43	14885	25.00	577	297	0.50	28976	48.66
484	132	0.22	5979	10.04	531	252	0.42	15137	25.42	578	354	0.59	29330	49.26
485	137	0.23	6116	10.27	532	247	0.41	15384	25.84	579	348	0.58	29678	49.84
486	151	0.25	6267	10.53	533	261	0.44	15645	26.28	580	326	0.55	30004	50.39
487	153	0.26	6420	10.78	534	259	0.43	15904	26.71	581	342	0.57	30346	50.96
488	154	0.26	6574	11.04	535	273	0.46	16177	27.17	582	334	0.56	30680	51.53
489	149	0.25	6723	11.29	536	266	0.45	16443	27.62	583	328	0.55	31008	52.08
490	164	0.28	6887	11.57	537	214	0.36	16657	27.97	584	335	0.56	31343	52.64
491	156	0.26	7043	11.83	538	292	0.49	16949	28.47	585	352	0.59	31695	53.23
492	152	0.26	7195	12.08	539	249	0.42	17198	28.88	586	331	0.56	32026	53.79
493	163	0.27	7358	12.36	540	266	0.45	17464	29.33	587	344	0.58	32370	54.36
494	163	0.27	7521	12.63	541	276	0.46	17740	29.79	588	327	0.55	32697	54.91
495	153	0.26	7674	12.89	542	274	0.46	18014	30.25	589	349	0.59	33046	55.50
496	148	0.25	7822	13.14	543	293	0.49	18307	30.75	590	356	0.60	33402	56.10
497	165	0.28	7987	13.41	544	268	0.45	18575	31.20	591	313	0.53	33715	56.62
498	145	0.24	8132	13.66	545	319	0.54	18894	31.73	592	316	0.53	34031	57.15

Table 181. Scale Score Distribution, Mathematics Grade 8 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
593	375	0.63	34406	57.78	640	263	0.44	48600	81.62	687	103	0.17	57006	95.74
594	368	0.62	34774	58.40	641	264	0.44	48864	82.07	688	96	0.16	57102	95.90
595	305	0.51	35079	58.91	642	251	0.42	49115	82.49	689	78	0.13	57180	96.03
596	321	0.54	35400	59.45	643	255	0.43	49370	82.91	690	85	0.14	57265	96.17
597	329	0.55	35729	60.01	644	258	0.43	49628	83.35	691	88	0.15	57353	96.32
598	338	0.57	36067	60.57	645	257	0.43	49885	83.78	692	70	0.12	57423	96.44
599	303	0.51	36370	61.08	646	249	0.42	50134	84.20	693	82	0.14	57505	96.58
600	328	0.55	36698	61.63	647	232	0.39	50366	84.59	694	74	0.12	57579	96.70
601	312	0.52	37010	62.16	648	241	0.40	50607	84.99	695	74	0.12	57653	96.83
602	309	0.52	37319	62.68	649	211	0.35	50818	85.35	696	66	0.11	57719	96.94
603	302	0.51	37621	63.18	650	247	0.41	51065	85.76	697	64	0.11	57783	97.04
604	294	0.49	37915	63.68	651	225	0.38	51290	86.14	698	52	0.09	57835	97.13
605	295	0.50	38210	64.17	652	227	0.38	51517	86.52	699	75	0.13	57910	97.26
606	327	0.55	38537	64.72	653	236	0.40	51753	86.92	700	73	0.12	57983	97.38
607	312	0.52	38849	65.25	654	228	0.38	51981	87.30	701	60	0.10	58043	97.48
608	293	0.49	39142	65.74	655	251	0.42	52232	87.72	702	53	0.09	58096	97.57
609	334	0.56	39476	66.30	656	205	0.34	52437	88.07	703	57	0.10	58153	97.67
610	315	0.53	39791	66.83	657	218	0.37	52655	88.43	704	55	0.09	58208	97.76
611	330	0.55	40121	67.38	658	210	0.35	52865	88.78	705	54	0.09	58262	97.85
612	301	0.51	40422	67.89	659	209	0.35	53074	89.14	706	48	0.08	58310	97.93
613	308	0.52	40730	68.40	660	204	0.34	53278	89.48	707	49	0.08	58359	98.01
614	308	0.52	41038	68.92	661	194	0.33	53472	89.80	708	46	0.08	58405	98.09
615	322	0.54	41360	69.46	662	181	0.30	53653	90.11	709	53	0.09	58458	98.18
616	298	0.50	41658	69.96	663	177	0.30	53830	90.41	710	49	0.08	58507	98.26
617	326	0.55	41984	70.51	664	154	0.26	53984	90.66	711	40	0.07	58547	98.33
618	333	0.56	42317	71.07	665	169	0.28	54153	90.95	712	38	0.06	58585	98.39
619	313	0.53	42630	71.60	666	158	0.27	54311	91.21	713	49	0.08	58634	98.47
620	283	0.48	42913	72.07	667	186	0.31	54497	91.53	714	37	0.06	58671	98.54
621	302	0.51	43215	72.58	668	172	0.29	54669	91.81	715	32	0.05	58703	98.59
622	292	0.49	43507	73.07	669	157	0.26	54826	92.08	716	36	0.06	58739	98.65
623	304	0.51	43811	73.58	670	149	0.25	54975	92.33	717	32	0.05	58771	98.70
624	301	0.51	44112	74.08	671	131	0.22	55106	92.55	718	22	0.04	58793	98.74
625	277	0.47	44389	74.55	672	152	0.26	55258	92.80	719	39	0.07	58832	98.81
626	291	0.49	44680	75.04	673	122	0.20	55380	93.01	720	41	0.07	58873	98.87
627	292	0.49	44972	75.53	674	131	0.22	55511	93.23	721	23	0.04	58896	98.91
628	272	0.46	45244	75.99	675	139	0.23	55650	93.46	722	23	0.04	58919	98.95
629	327	0.55	45571	76.53	676	127	0.21	55777	93.68	723	35	0.06	58954	99.01
630	311	0.52	45882	77.06	677	144	0.24	55921	93.92	724	29	0.05	58983	99.06
631	272	0.46	46154	77.51	678	146	0.25	56067	94.16	725	18	0.03	59001	99.09
632	273	0.46	46427	77.97	679	126	0.21	56193	94.37	726	20	0.03	59021	99.12
633	283	0.48	46710	78.45	680	105	0.18	56298	94.55	727	19	0.03	59040	99.16
634	280	0.47	46990	78.92	681	105	0.18	56403	94.73	728	26	0.04	59066	99.20
635	267	0.45	47257	79.37	682	121	0.20	56524	94.93	729	15	0.03	59081	99.22
636	256	0.43	47513	79.80	683	107	0.18	56631	95.11	730	18	0.03	59099	99.25
637	296	0.50	47809	80.29	684	91	0.15	56722	95.26	731	13	0.02	59112	99.28
638	265	0.45	48074	80.74	685	87	0.15	56809	95.41	732	18	0.03	59130	99.31
639	263	0.44	48337	81.18	686	94	0.16	56903	95.57	733	17	0.03	59147	99.33

Table 181. Scale Score Distribution, Mathematics Grade 8 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
734	20	0.03	59167	99.37	782	2	0.00	59482	99.90
735	23	0.04	59190	99.41	783	5	0.01	59487	99.91
736	17	0.03	59207	99.44	784	4	0.01	59491	99.91
737	13	0.02	59220	99.46	785	1	0.00	59492	99.91
738	13	0.02	59233	99.48	786	3	0.01	59495	99.92
739	16	0.03	59249	99.51	787	3	0.01	59498	99.92
740	14	0.02	59263	99.53	788	3	0.01	59501	99.93
741	8	0.01	59271	99.54	790	1	0.00	59502	99.93
742	8	0.01	59279	99.56	791	2	0.00	59504	99.93
743	10	0.02	59289	99.57	792	2	0.00	59506	99.94
744	15	0.03	59304	99.60	794	1	0.00	59507	99.94
745	8	0.01	59312	99.61	795	1	0.00	59508	99.94
746	12	0.02	59324	99.63	801	2	0.00	59510	99.94
747	11	0.02	59335	99.65	803	2	0.00	59512	99.95
748	7	0.01	59342	99.66	806	2	0.00	59514	99.95
749	10	0.02	59352	99.68	807	2	0.00	59516	99.95
750	4	0.01	59356	99.69	808	3	0.01	59519	99.96
751	4	0.01	59360	99.69	809	1	0.00	59520	99.96
752	6	0.01	59366	99.70	810	1	0.00	59521	99.96
753	7	0.01	59373	99.71	811	1	0.00	59522	99.96
754	9	0.02	59382	99.73	815	1	0.00	59523	99.97
755	6	0.01	59388	99.74	818	1	0.00	59524	99.97
756	2	0.00	59390	99.74	827	1	0.00	59525	99.97
757	8	0.01	59398	99.76	832	2	0.00	59527	99.97
758	8	0.01	59406	99.77	834	2	0.00	59529	99.98
759	3	0.01	59409	99.77	837	2	0.00	59531	99.98
760	4	0.01	59413	99.78	841	2	0.00	59533	99.98
761	7	0.01	59420	99.79	850	1	0.00	59534	99.98
762	2	0.00	59422	99.80	859	1	0.00	59535	99.99
763	7	0.01	59429	99.81	866	1	0.00	59536	99.99
764	5	0.01	59434	99.82	890	7	0.01	59543	100.00
765	5	0.01	59439	99.83					
766	4	0.01	59443	99.83					
767	2	0.00	59445	99.84					
768	4	0.01	59449	99.84					
769	2	0.00	59451	99.85					
770	4	0.01	59455	99.85					
771	2	0.00	59457	99.86					
772	5	0.01	59462	99.86					
773	2	0.00	59464	99.87					
774	2	0.00	59466	99.87					
775	4	0.01	59470	99.88					
776	2	0.00	59472	99.88					
777	4	0.01	59476	99.89					
778	2	0.00	59478	99.89					
779	1	0.00	59479	99.89					
781	1	0.00	59480	99.89					

Table 182. Scale Score Distribution, Science Grade 8

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
300	348	0.59	348	0.59	347	27	0.05	929	1.56	394	74	0.12	3186	5.36
301	9	0.02	357	0.60	348	24	0.04	953	1.60	395	80	0.13	3266	5.49
302	2	0.00	359	0.60	349	22	0.04	975	1.64	396	89	0.15	3355	5.64
303	4	0.01	363	0.61	350	34	0.06	1009	1.70	397	74	0.12	3429	5.77
304	8	0.01	371	0.62	351	23	0.04	1032	1.74	398	73	0.12	3502	5.89
305	5	0.01	376	0.63	352	28	0.05	1060	1.78	399	93	0.16	3595	6.05
306	12	0.02	388	0.65	353	34	0.06	1094	1.84	400	103	0.17	3698	6.22
307	10	0.02	398	0.67	354	40	0.07	1134	1.91	401	102	0.17	3800	6.39
308	4	0.01	402	0.68	355	34	0.06	1168	1.96	402	92	0.15	3892	6.55
309	9	0.02	411	0.69	356	21	0.04	1189	2.00	403	116	0.20	4008	6.74
310	8	0.01	419	0.70	357	19	0.03	1208	2.03	404	93	0.16	4101	6.90
311	8	0.01	427	0.72	358	41	0.07	1249	2.10	405	113	0.19	4214	7.09
312	8	0.01	435	0.73	359	35	0.06	1284	2.16	406	110	0.19	4324	7.27
313	3	0.01	438	0.74	360	42	0.07	1326	2.23	407	117	0.20	4441	7.47
314	10	0.02	448	0.75	361	37	0.06	1363	2.29	408	123	0.21	4564	7.68
315	8	0.01	456	0.77	362	30	0.05	1393	2.34	409	106	0.18	4670	7.86
316	11	0.02	467	0.79	363	46	0.08	1439	2.42	410	126	0.21	4796	8.07
317	10	0.02	477	0.80	364	36	0.06	1475	2.48	411	118	0.20	4914	8.27
318	9	0.02	486	0.82	365	40	0.07	1515	2.55	412	113	0.19	5027	8.46
319	4	0.01	490	0.82	366	38	0.06	1553	2.61	413	120	0.20	5147	8.66
320	7	0.01	497	0.84	367	44	0.07	1597	2.69	414	122	0.21	5269	8.86
321	15	0.03	512	0.86	368	51	0.09	1648	2.77	415	119	0.20	5388	9.06
322	12	0.02	524	0.88	369	46	0.08	1694	2.85	416	128	0.22	5516	9.28
323	10	0.02	534	0.90	370	56	0.09	1750	2.94	417	133	0.22	5649	9.50
324	13	0.02	547	0.92	371	56	0.09	1806	3.04	418	113	0.19	5762	9.69
325	11	0.02	558	0.94	372	53	0.09	1859	3.13	419	108	0.18	5870	9.87
326	11	0.02	569	0.96	373	42	0.07	1901	3.20	420	160	0.27	6030	10.14
327	13	0.02	582	0.98	374	48	0.08	1949	3.28	421	130	0.22	6160	10.36
328	12	0.02	594	1.00	375	48	0.08	1997	3.36	422	152	0.26	6312	10.62
329	16	0.03	610	1.03	376	36	0.06	2033	3.42	423	151	0.25	6463	10.87
330	13	0.02	623	1.05	377	47	0.08	2080	3.50	424	155	0.26	6618	11.13
331	12	0.02	635	1.07	378	63	0.11	2143	3.60	425	142	0.24	6760	11.37
332	8	0.01	643	1.08	379	35	0.06	2178	3.66	426	162	0.27	6922	11.64
333	13	0.02	656	1.10	380	47	0.08	2225	3.74	427	140	0.24	7062	11.88
334	16	0.03	672	1.13	381	49	0.08	2274	3.83	428	178	0.30	7240	12.18
335	20	0.03	692	1.16	382	41	0.07	2315	3.89	429	177	0.30	7417	12.48
336	21	0.04	713	1.20	383	73	0.12	2388	4.02	430	177	0.30	7594	12.77
337	20	0.03	733	1.23	384	66	0.11	2454	4.13	431	170	0.29	7764	13.06
338	16	0.03	749	1.26	385	57	0.10	2511	4.22	432	180	0.30	7944	13.36
339	19	0.03	768	1.29	386	82	0.14	2593	4.36	433	191	0.32	8135	13.68
340	22	0.04	790	1.33	387	78	0.13	2671	4.49	434	192	0.32	8327	14.01
341	19	0.03	809	1.36	388	70	0.12	2741	4.61	435	189	0.32	8516	14.33
342	16	0.03	825	1.39	389	71	0.12	2812	4.73	436	162	0.27	8678	14.60
343	16	0.03	841	1.41	390	65	0.11	2877	4.84	437	211	0.35	8889	14.95
344	17	0.03	858	1.44	391	79	0.13	2956	4.97	438	179	0.30	9068	15.25
345	23	0.04	881	1.48	392	73	0.12	3029	5.10	439	173	0.29	9241	15.55
346	21	0.04	902	1.52	393	83	0.14	3112	5.24	440	192	0.32	9433	15.87

Table 182. Scale Score Distribution, Science Grade 8 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
441	217	0.37	9650	16.23	488	367	0.62	23063	38.80	535	395	0.66	42302	71.16
442	202	0.34	9852	16.57	489	341	0.57	23404	39.37	536	384	0.65	42686	71.81
443	181	0.30	10033	16.88	490	375	0.63	23779	40.00	537	405	0.68	43091	72.49
444	222	0.37	10255	17.25	491	419	0.70	24198	40.71	538	414	0.70	43505	73.18
445	206	0.35	10461	17.60	492	371	0.62	24569	41.33	539	397	0.67	43902	73.85
446	228	0.38	10689	17.98	493	371	0.62	24940	41.95	540	415	0.70	44317	74.55
447	233	0.39	10922	18.37	494	361	0.61	25301	42.56	541	346	0.58	44663	75.13
448	232	0.39	11154	18.76	495	396	0.67	25697	43.23	542	337	0.57	45000	75.70
449	219	0.37	11373	19.13	496	386	0.65	26083	43.88	543	336	0.57	45336	76.26
450	233	0.39	11606	19.52	497	387	0.65	26470	44.53	544	400	0.67	45736	76.94
451	221	0.37	11827	19.90	498	425	0.71	26895	45.24	545	353	0.59	46089	77.53
452	221	0.37	12048	20.27	499	367	0.62	27262	45.86	546	330	0.56	46419	78.09
453	233	0.39	12281	20.66	500	397	0.67	27659	46.53	547	356	0.60	46775	78.68
454	252	0.42	12533	21.08	501	411	0.69	28070	47.22	548	324	0.55	47099	79.23
455	244	0.41	12777	21.49	502	454	0.76	28524	47.98	549	354	0.60	47453	79.83
456	256	0.43	13033	21.92	503	405	0.68	28929	48.66	550	353	0.59	47806	80.42
457	248	0.42	13281	22.34	504	431	0.73	29360	49.39	551	311	0.52	48117	80.94
458	246	0.41	13527	22.76	505	395	0.66	29755	50.05	552	335	0.56	48452	81.51
459	276	0.46	13803	23.22	506	442	0.74	30197	50.80	553	335	0.56	48787	82.07
460	230	0.39	14033	23.61	507	424	0.71	30621	51.51	554	325	0.55	49112	82.62
461	243	0.41	14276	24.02	508	442	0.74	31063	52.25	555	309	0.52	49421	83.14
462	261	0.44	14537	24.45	509	422	0.71	31485	52.96	556	289	0.49	49710	83.62
463	294	0.49	14831	24.95	510	428	0.72	31913	53.68	557	287	0.48	49997	84.10
464	279	0.47	15110	25.42	511	443	0.75	32356	54.43	558	293	0.49	50290	84.60
465	255	0.43	15365	25.85	512	436	0.73	32792	55.16	559	283	0.48	50573	85.07
466	305	0.51	15670	26.36	513	407	0.68	33199	55.85	560	288	0.48	50861	85.56
467	279	0.47	15949	26.83	514	373	0.63	33572	56.47	561	249	0.42	51110	85.98
468	310	0.52	16259	27.35	515	416	0.70	33988	57.17	562	265	0.45	51375	86.42
469	307	0.52	16566	27.87	516	408	0.69	34396	57.86	563	254	0.43	51629	86.85
470	320	0.54	16886	28.41	517	419	0.70	34815	58.57	564	293	0.49	51922	87.34
471	302	0.51	17188	28.91	518	430	0.72	35245	59.29	565	266	0.45	52188	87.79
472	342	0.58	17530	29.49	519	397	0.67	35642	59.96	566	252	0.42	52440	88.21
473	322	0.54	17852	30.03	520	431	0.73	36073	60.68	567	259	0.44	52699	88.65
474	354	0.60	18206	30.63	521	394	0.66	36467	61.34	568	250	0.42	52949	89.07
475	361	0.61	18567	31.23	522	414	0.70	36881	62.04	569	228	0.38	53177	89.45
476	324	0.55	18891	31.78	523	433	0.73	37314	62.77	570	217	0.37	53394	89.82
477	324	0.55	19215	32.32	524	409	0.69	37723	63.46	571	230	0.39	53624	90.21
478	348	0.59	19563	32.91	525	430	0.72	38153	64.18	572	212	0.36	53836	90.56
479	370	0.62	19933	33.53	526	435	0.73	38588	64.91	573	216	0.36	54052	90.93
480	334	0.56	20267	34.09	527	431	0.73	39019	65.64	574	184	0.31	54236	91.24
481	348	0.59	20615	34.68	528	437	0.74	39456	66.37	575	207	0.35	54443	91.58
482	338	0.57	20953	35.25	529	421	0.71	39877	67.08	576	206	0.35	54649	91.93
483	339	0.57	21292	35.82	530	447	0.75	40324	67.83	577	200	0.34	54849	92.27
484	326	0.55	21618	36.37	531	412	0.69	40736	68.53	578	179	0.30	55028	92.57
485	369	0.62	21987	36.99	532	384	0.65	41120	69.17	579	175	0.29	55203	92.86
486	350	0.59	22337	37.58	533	400	0.67	41520	69.84	580	188	0.32	55391	93.18
487	359	0.60	22696	38.18	534	387	0.65	41907	70.50	581	172	0.29	55563	93.47

Table 182. Scale Score Distribution, Science Grade 8 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
582	168	0.28	55731	93.75	629	17	0.03	59148	99.50	681	1	0.00	59437	99.98
583	179	0.30	55910	94.05	630	22	0.04	59170	99.54	682	1	0.00	59438	99.99
584	155	0.26	56065	94.31	631	16	0.03	59186	99.56	685	1	0.00	59439	99.99
585	149	0.25	56214	94.56	632	16	0.03	59202	99.59	694	1	0.00	59440	99.99
586	166	0.28	56380	94.84	633	21	0.04	59223	99.62	697	3	0.01	59443	99.99
587	153	0.26	56533	95.10	634	13	0.02	59236	99.65	701	1	0.00	59444	100.00
588	121	0.20	56654	95.30	635	16	0.03	59252	99.67	709	1	0.00	59445	100.00
589	145	0.24	56799	95.55	636	8	0.01	59260	99.69	749	1	0.00	59446	100.00
590	115	0.19	56914	95.74	637	8	0.01	59268	99.70					
591	131	0.22	57045	95.96	638	10	0.02	59278	99.72					
592	115	0.19	57160	96.15	639	14	0.02	59292	99.74					
593	124	0.21	57284	96.36	640	12	0.02	59304	99.76					
594	86	0.14	57370	96.51	641	8	0.01	59312	99.77					
595	99	0.17	57469	96.67	642	8	0.01	59320	99.79					
596	86	0.14	57555	96.82	643	11	0.02	59331	99.81					
597	92	0.15	57647	96.97	644	3	0.01	59334	99.81					
598	86	0.14	57733	97.12	645	12	0.02	59346	99.83					
599	87	0.15	57820	97.26	646	4	0.01	59350	99.84					
600	58	0.10	57878	97.36	647	7	0.01	59357	99.85					
601	80	0.13	57958	97.50	648	6	0.01	59363	99.86					
602	89	0.15	58047	97.65	649	7	0.01	59370	99.87					
603	76	0.13	58123	97.77	650	6	0.01	59376	99.88					
604	80	0.13	58203	97.91	651	2	0.00	59378	99.89					
605	60	0.10	58263	98.01	652	6	0.01	59384	99.90					
606	44	0.07	58307	98.08	653	2	0.00	59386	99.90					
607	58	0.10	58365	98.18	654	3	0.01	59389	99.90					
608	56	0.09	58421	98.28	655	2	0.00	59391	99.91					
609	43	0.07	58464	98.35	656	3	0.01	59394	99.91					
610	58	0.10	58522	98.45	657	3	0.01	59397	99.92					
611	48	0.08	58570	98.53	658	4	0.01	59401	99.92					
612	44	0.07	58614	98.60	659	5	0.01	59406	99.93					
613	34	0.06	58648	98.66	660	3	0.01	59409	99.94					
614	49	0.08	58697	98.74	661	5	0.01	59414	99.95					
615	36	0.06	58733	98.80	662	2	0.00	59416	99.95					
616	45	0.08	58778	98.88	663	1	0.00	59417	99.95					
617	36	0.06	58814	98.94	664	2	0.00	59419	99.95					
618	38	0.06	58852	99.00	665	3	0.01	59422	99.96					
619	43	0.07	58895	99.07	666	3	0.01	59425	99.96					
620	35	0.06	58930	99.13	667	1	0.00	59426	99.97					
621	30	0.05	58960	99.18	668	2	0.00	59428	99.97					
622	40	0.07	59000	99.25	669	1	0.00	59429	99.97					
623	23	0.04	59023	99.29	670	2	0.00	59431	99.97					
624	17	0.03	59040	99.32	672	1	0.00	59432	99.98					
625	26	0.04	59066	99.36	673	1	0.00	59433	99.98					
626	25	0.04	59091	99.40	674	1	0.00	59434	99.98					
627	21	0.04	59112	99.44	677	1	0.00	59435	99.98					
628	19	0.03	59131	99.47	678	1	0.00	59436	99.98					

Table 183. Scale Score Distribution, Reading Grade 9

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
350	99	0.17	99	0.17	444	2	0.00	157	0.27	500	11	0.02	320	0.54
352	1	0.00	100	0.17	445	1	0.00	158	0.27	501	7	0.01	327	0.55
354	1	0.00	101	0.17	446	1	0.00	159	0.27	502	15	0.03	342	0.58
356	2	0.00	103	0.17	447	1	0.00	160	0.27	503	2	0.00	344	0.58
357	1	0.00	104	0.18	449	2	0.00	162	0.27	504	9	0.02	353	0.60
358	2	0.00	106	0.18	453	1	0.00	163	0.28	505	5	0.01	358	0.61
361	1	0.00	107	0.18	454	2	0.00	165	0.28	506	10	0.02	368	0.62
368	1	0.00	108	0.18	455	1	0.00	166	0.28	507	7	0.01	375	0.63
369	1	0.00	109	0.18	456	5	0.01	171	0.29	508	11	0.02	386	0.65
372	1	0.00	110	0.19	457	1	0.00	172	0.29	509	11	0.02	397	0.67
373	1	0.00	111	0.19	460	3	0.01	175	0.30	510	10	0.02	407	0.69
376	1	0.00	112	0.19	461	3	0.01	178	0.30	511	10	0.02	417	0.71
380	2	0.00	114	0.19	462	1	0.00	179	0.30	512	4	0.01	421	0.71
381	1	0.00	115	0.19	463	2	0.00	181	0.31	513	8	0.01	429	0.73
382	1	0.00	116	0.20	464	1	0.00	182	0.31	514	19	0.03	448	0.76
383	2	0.00	118	0.20	465	2	0.00	184	0.31	515	14	0.02	462	0.78
385	1	0.00	119	0.20	468	2	0.00	186	0.31	516	14	0.02	476	0.80
387	1	0.00	120	0.20	469	4	0.01	190	0.32	517	14	0.02	490	0.83
389	1	0.00	121	0.20	470	3	0.01	193	0.33	518	17	0.03	507	0.86
397	2	0.00	123	0.21	471	2	0.00	195	0.33	519	4	0.01	511	0.86
402	1	0.00	124	0.21	472	5	0.01	200	0.34	520	13	0.02	524	0.89
403	1	0.00	125	0.21	473	3	0.01	203	0.34	521	16	0.03	540	0.91
406	2	0.00	127	0.21	475	2	0.00	205	0.35	522	18	0.03	558	0.94
410	1	0.00	128	0.22	476	3	0.01	208	0.35	523	12	0.02	570	0.96
411	1	0.00	129	0.22	477	1	0.00	209	0.35	524	16	0.03	586	0.99
413	1	0.00	130	0.22	478	4	0.01	213	0.36	525	21	0.04	607	1.03
414	1	0.00	131	0.22	479	4	0.01	217	0.37	526	21	0.04	628	1.06
415	1	0.00	132	0.22	480	3	0.01	220	0.37	527	17	0.03	645	1.09
416	1	0.00	133	0.22	481	6	0.01	226	0.38	528	22	0.04	667	1.13
418	1	0.00	134	0.23	482	4	0.01	230	0.39	529	19	0.03	686	1.16
420	2	0.00	136	0.23	483	4	0.01	234	0.40	530	28	0.05	714	1.21
421	1	0.00	137	0.23	484	4	0.01	238	0.40	531	24	0.04	738	1.25
422	1	0.00	138	0.23	485	6	0.01	244	0.41	532	18	0.03	756	1.28
423	1	0.00	139	0.24	486	4	0.01	248	0.42	533	24	0.04	780	1.32
424	1	0.00	140	0.24	487	3	0.01	251	0.42	534	26	0.04	806	1.36
425	1	0.00	141	0.24	488	4	0.01	255	0.43	535	24	0.04	830	1.40
427	1	0.00	142	0.24	489	1	0.00	256	0.43	536	26	0.04	856	1.45
428	2	0.00	144	0.24	490	3	0.01	259	0.44	537	22	0.04	878	1.48
429	1	0.00	145	0.25	491	5	0.01	264	0.45	538	32	0.05	910	1.54
432	1	0.00	146	0.25	492	5	0.01	269	0.45	539	27	0.05	937	1.58
433	1	0.00	147	0.25	493	5	0.01	274	0.46	540	30	0.05	967	1.64
435	1	0.00	148	0.25	494	5	0.01	279	0.47	541	35	0.06	1002	1.69
439	2	0.00	150	0.25	495	4	0.01	283	0.48	542	38	0.06	1040	1.76
440	2	0.00	152	0.26	496	4	0.01	287	0.49	543	39	0.07	1079	1.82
441	1	0.00	153	0.26	497	6	0.01	293	0.50	544	38	0.06	1117	1.89
442	1	0.00	154	0.26	498	7	0.01	300	0.51	545	37	0.06	1154	1.95
443	1	0.00	155	0.26	499	9	0.02	309	0.52	546	41	0.07	1195	2.02

Table 183. Scale Score Distribution, Reading Grade 9 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
547	42	0.07	1237	2.09	594	162	0.27	5264	8.90	641	448	0.76	18674	31.58
548	48	0.08	1285	2.17	595	158	0.27	5422	9.17	642	472	0.80	19146	32.38
549	53	0.09	1338	2.26	596	165	0.28	5587	9.45	643	470	0.79	19616	33.17
550	53	0.09	1391	2.35	597	159	0.27	5746	9.72	644	442	0.75	20058	33.92
551	53	0.09	1444	2.44	598	165	0.28	5911	10.00	645	494	0.84	20552	34.75
552	40	0.07	1484	2.51	599	166	0.28	6077	10.28	646	487	0.82	21039	35.58
553	53	0.09	1537	2.60	600	184	0.31	6261	10.59	647	462	0.78	21501	36.36
554	47	0.08	1584	2.68	601	178	0.30	6439	10.89	648	474	0.80	21975	37.16
555	46	0.08	1630	2.76	602	166	0.28	6605	11.17	649	469	0.79	22444	37.95
556	54	0.09	1684	2.85	603	192	0.32	6797	11.49	650	464	0.78	22908	38.74
557	57	0.10	1741	2.94	604	188	0.32	6985	11.81	651	486	0.82	23394	39.56
558	51	0.09	1792	3.03	605	200	0.34	7185	12.15	652	479	0.81	23873	40.37
559	62	0.10	1854	3.14	606	189	0.32	7374	12.47	653	512	0.87	24385	41.24
560	49	0.08	1903	3.22	607	218	0.37	7592	12.84	654	497	0.84	24882	42.08
561	58	0.10	1961	3.32	608	202	0.34	7794	13.18	655	475	0.80	25357	42.88
562	71	0.12	2032	3.44	609	211	0.36	8005	13.54	656	508	0.86	25865	43.74
563	77	0.13	2109	3.57	610	233	0.39	8238	13.93	657	515	0.87	26380	44.61
564	70	0.12	2179	3.68	611	254	0.43	8492	14.36	658	535	0.90	26915	45.51
565	58	0.10	2237	3.78	612	246	0.42	8738	14.78	659	496	0.84	27411	46.35
566	75	0.13	2312	3.91	613	233	0.39	8971	15.17	660	522	0.88	27933	47.24
567	84	0.14	2396	4.05	614	258	0.44	9229	15.61	661	483	0.82	28416	48.05
568	88	0.15	2484	4.20	615	274	0.46	9503	16.07	662	522	0.88	28938	48.93
569	61	0.10	2545	4.30	616	237	0.40	9740	16.47	663	512	0.87	29450	49.80
570	79	0.13	2624	4.44	617	261	0.44	10001	16.91	664	542	0.92	29992	50.72
571	90	0.15	2714	4.59	618	281	0.48	10282	17.39	665	520	0.88	30512	51.60
572	84	0.14	2798	4.73	619	298	0.50	10580	17.89	666	479	0.81	30991	52.41
573	82	0.14	2880	4.87	620	274	0.46	10854	18.35	667	531	0.90	31522	53.30
574	86	0.15	2966	5.02	621	312	0.53	11166	18.88	668	518	0.88	32040	54.18
575	105	0.18	3071	5.19	622	289	0.49	11455	19.37	669	518	0.88	32558	55.06
576	90	0.15	3161	5.35	623	299	0.51	11754	19.88	670	533	0.90	33091	55.96
577	84	0.14	3245	5.49	624	306	0.52	12060	20.39	671	568	0.96	33659	56.92
578	95	0.16	3340	5.65	625	303	0.51	12363	20.91	672	511	0.86	34170	57.78
579	100	0.17	3440	5.82	626	351	0.59	12714	21.50	673	523	0.88	34693	58.67
580	97	0.16	3537	5.98	627	321	0.54	13035	22.04	674	558	0.94	35251	59.61
581	112	0.19	3649	6.17	628	359	0.61	13394	22.65	675	499	0.84	35750	60.45
582	87	0.15	3736	6.32	629	366	0.62	13760	23.27	676	535	0.90	36285	61.36
583	120	0.20	3856	6.52	630	378	0.64	14138	23.91	677	492	0.83	36777	62.19
584	109	0.18	3965	6.70	631	385	0.65	14523	24.56	678	507	0.86	37284	63.05
585	95	0.16	4060	6.87	632	434	0.73	14957	25.29	679	480	0.81	37764	63.86
586	107	0.18	4167	7.05	633	380	0.64	15337	25.94	680	465	0.79	38229	64.65
587	111	0.19	4278	7.23	634	404	0.68	15741	26.62	681	520	0.88	38749	65.53
588	130	0.22	4408	7.45	635	402	0.68	16143	27.30	682	469	0.79	39218	66.32
589	145	0.25	4553	7.70	636	395	0.67	16538	27.97	683	494	0.84	39712	67.15
590	125	0.21	4678	7.91	637	394	0.67	16932	28.63	684	496	0.84	40208	67.99
591	143	0.24	4821	8.15	638	396	0.67	17328	29.30	685	479	0.81	40687	68.80
592	153	0.26	4974	8.41	639	433	0.73	17761	30.03	686	469	0.79	41156	69.60
593	128	0.22	5102	8.63	640	465	0.79	18226	30.82	687	435	0.74	41591	70.33

Table 183. Scale Score Distribution, Reading Grade 9 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
688	493	0.83	42084	71.16	735	133	0.22	56377	95.33	782	10	0.02	58977	99.73
689	473	0.80	42557	71.96	736	139	0.24	56516	95.57	783	14	0.02	58991	99.75
690	462	0.78	43019	72.75	737	127	0.21	56643	95.78	784	7	0.01	58998	99.77
691	442	0.75	43461	73.49	738	123	0.21	56766	95.99	785	4	0.01	59002	99.77
692	422	0.71	43883	74.21	739	124	0.21	56890	96.20	786	6	0.01	59008	99.78
693	416	0.70	44299	74.91	740	99	0.17	56989	96.37	787	6	0.01	59014	99.79
694	440	0.74	44739	75.65	741	116	0.20	57105	96.57	788	8	0.01	59022	99.81
695	424	0.72	45163	76.37	742	117	0.20	57222	96.76	789	10	0.02	59032	99.82
696	415	0.70	45578	77.07	743	97	0.16	57319	96.93	790	12	0.02	59044	99.84
697	395	0.67	45973	77.74	744	91	0.15	57410	97.08	791	12	0.02	59056	99.86
698	430	0.73	46403	78.47	745	91	0.15	57501	97.24	792	9	0.02	59065	99.88
699	426	0.72	46829	79.19	746	98	0.17	57599	97.40	793	3	0.01	59068	99.89
700	424	0.72	47253	79.91	747	91	0.15	57690	97.55	794	6	0.01	59074	99.90
701	397	0.67	47650	80.58	748	87	0.15	57777	97.70	795	1	0.00	59075	99.90
702	384	0.65	48034	81.23	749	73	0.12	57850	97.83	796	3	0.01	59078	99.90
703	360	0.61	48394	81.84	750	75	0.13	57925	97.95	797	5	0.01	59083	99.91
704	318	0.54	48712	82.37	751	71	0.12	57996	98.07	798	1	0.00	59084	99.91
705	359	0.61	49071	82.98	752	79	0.13	58075	98.21	799	4	0.01	59088	99.92
706	381	0.64	49452	83.62	753	60	0.10	58135	98.31	800	1	0.00	59089	99.92
707	376	0.64	49828	84.26	754	52	0.09	58187	98.40	801	4	0.01	59093	99.93
708	360	0.61	50188	84.87	755	49	0.08	58236	98.48	802	4	0.01	59097	99.93
709	316	0.53	50504	85.40	756	57	0.10	58293	98.57	803	3	0.01	59100	99.94
710	312	0.53	50816	85.93	757	59	0.10	58352	98.67	804	1	0.00	59101	99.94
711	324	0.55	51140	86.48	758	38	0.06	58390	98.74	805	2	0.00	59103	99.94
712	297	0.50	51437	86.98	759	35	0.06	58425	98.80	807	4	0.01	59107	99.95
713	284	0.48	51721	87.46	760	40	0.07	58465	98.87	808	2	0.00	59109	99.95
714	271	0.46	51992	87.92	761	49	0.08	58514	98.95	809	2	0.00	59111	99.96
715	282	0.48	52274	88.40	762	29	0.05	58543	99.00	810	3	0.01	59114	99.96
716	244	0.41	52518	88.81	763	31	0.05	58574	99.05	813	2	0.00	59116	99.97
717	264	0.45	52782	89.26	764	44	0.07	58618	99.12	814	1	0.00	59117	99.97
718	253	0.43	53035	89.68	765	30	0.05	58648	99.17	815	1	0.00	59118	99.97
719	249	0.42	53284	90.10	766	31	0.05	58679	99.23	817	2	0.00	59120	99.97
720	252	0.43	53536	90.53	767	35	0.06	58714	99.29	820	1	0.00	59121	99.97
721	236	0.40	53772	90.93	768	27	0.05	58741	99.33	821	1	0.00	59122	99.98
722	251	0.42	54023	91.35	769	29	0.05	58770	99.38	822	1	0.00	59123	99.98
723	213	0.36	54236	91.71	770	15	0.03	58785	99.41	823	2	0.00	59125	99.98
724	196	0.33	54432	92.05	771	24	0.04	58809	99.45	826	1	0.00	59126	99.98
725	240	0.41	54672	92.45	772	21	0.04	58830	99.48	828	1	0.00	59127	99.98
726	196	0.33	54868	92.78	773	19	0.03	58849	99.51	830	2	0.00	59129	99.99
727	197	0.33	55065	93.12	774	25	0.04	58874	99.56	831	1	0.00	59130	99.99
728	208	0.35	55273	93.47	775	21	0.04	58895	99.59	838	1	0.00	59131	99.99
729	187	0.32	55460	93.78	776	6	0.01	58901	99.60	842	1	0.00	59132	99.99
730	181	0.31	55641	94.09	777	16	0.03	58917	99.63	844	1	0.00	59133	99.99
731	145	0.25	55786	94.34	778	16	0.03	58933	99.66	845	1	0.00	59134	100.00
732	175	0.30	55961	94.63	779	14	0.02	58947	99.68	850	1	0.00	59135	100.00
733	144	0.24	56105	94.87	780	9	0.02	58956	99.70	859	1	0.00	59136	100.00
734	139	0.24	56244	95.11	781	11	0.02	58967	99.71					

Table 184. Scale Score Distribution, Writing Grade 9

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
260	73	0.12	73	0.12	318	1	0.00	157	0.27	366	10	0.02	414	0.70
262	1	0.00	74	0.13	319	2	0.00	159	0.27	367	13	0.02	427	0.72
263	1	0.00	75	0.13	320	3	0.01	162	0.27	368	14	0.02	441	0.75
265	2	0.00	77	0.13	321	2	0.00	164	0.28	369	16	0.03	457	0.77
267	1	0.00	78	0.13	322	1	0.00	165	0.28	370	11	0.02	468	0.79
269	1	0.00	79	0.13	323	4	0.01	169	0.29	371	10	0.02	478	0.81
270	3	0.01	82	0.14	324	2	0.00	171	0.29	372	20	0.03	498	0.84
271	1	0.00	83	0.14	325	4	0.01	175	0.30	373	19	0.03	517	0.88
272	1	0.00	84	0.14	327	4	0.01	179	0.30	374	25	0.04	542	0.92
273	2	0.00	86	0.15	328	1	0.00	180	0.30	375	14	0.02	556	0.94
274	1	0.00	87	0.15	329	2	0.00	182	0.31	376	18	0.03	574	0.97
276	1	0.00	88	0.15	330	1	0.00	183	0.31	377	13	0.02	587	0.99
277	2	0.00	90	0.15	331	2	0.00	185	0.31	378	17	0.03	604	1.02
278	3	0.01	93	0.16	332	3	0.01	188	0.32	379	20	0.03	624	1.06
279	2	0.00	95	0.16	333	5	0.01	193	0.33	380	8	0.01	632	1.07
280	1	0.00	96	0.16	334	1	0.00	194	0.33	381	18	0.03	650	1.10
281	1	0.00	97	0.16	335	2	0.00	196	0.33	382	16	0.03	666	1.13
282	3	0.01	100	0.17	336	2	0.00	198	0.34	383	22	0.04	688	1.17
283	1	0.00	101	0.17	337	3	0.01	201	0.34	384	16	0.03	704	1.19
284	1	0.00	102	0.17	338	2	0.00	203	0.34	385	24	0.04	728	1.23
285	2	0.00	104	0.18	339	2	0.00	205	0.35	386	16	0.03	744	1.26
286	2	0.00	106	0.18	340	3	0.01	208	0.35	387	15	0.03	759	1.29
287	3	0.01	109	0.18	341	4	0.01	212	0.36	388	25	0.04	784	1.33
288	1	0.00	110	0.19	342	1	0.00	213	0.36	389	25	0.04	809	1.37
290	1	0.00	111	0.19	343	8	0.01	221	0.37	390	24	0.04	833	1.41
292	3	0.01	114	0.19	344	7	0.01	228	0.39	391	28	0.05	861	1.46
293	2	0.00	116	0.20	345	8	0.01	236	0.40	392	32	0.05	893	1.51
294	1	0.00	117	0.20	346	8	0.01	244	0.41	393	26	0.04	919	1.56
295	1	0.00	118	0.20	347	5	0.01	249	0.42	394	17	0.03	936	1.59
298	3	0.01	121	0.20	348	4	0.01	253	0.43	395	28	0.05	964	1.63
299	3	0.01	124	0.21	349	10	0.02	263	0.45	396	31	0.05	995	1.69
300	1	0.00	125	0.21	350	5	0.01	268	0.45	397	32	0.05	1027	1.74
301	2	0.00	127	0.22	351	14	0.02	282	0.48	398	25	0.04	1052	1.78
302	3	0.01	130	0.22	352	8	0.01	290	0.49	399	42	0.07	1094	1.85
303	2	0.00	132	0.22	353	6	0.01	296	0.50	400	24	0.04	1118	1.89
304	2	0.00	134	0.23	354	8	0.01	304	0.51	401	33	0.06	1151	1.95
305	1	0.00	135	0.23	355	8	0.01	312	0.53	402	33	0.06	1184	2.01
306	4	0.01	139	0.24	356	8	0.01	320	0.54	403	40	0.07	1224	2.07
307	1	0.00	140	0.24	357	9	0.02	329	0.56	404	32	0.05	1256	2.13
308	1	0.00	141	0.24	358	8	0.01	337	0.57	405	30	0.05	1286	2.18
309	2	0.00	143	0.24	359	9	0.02	346	0.59	406	33	0.06	1319	2.23
310	2	0.00	145	0.25	360	10	0.02	356	0.60	407	33	0.06	1352	2.29
312	2	0.00	147	0.25	361	7	0.01	363	0.61	408	23	0.04	1375	2.33
313	2	0.00	149	0.25	362	7	0.01	370	0.63	409	35	0.06	1410	2.39
314	4	0.01	153	0.26	363	18	0.03	388	0.66	410	33	0.06	1443	2.44
316	2	0.00	155	0.26	364	7	0.01	395	0.67	411	35	0.06	1478	2.50
317	1	0.00	156	0.26	365	9	0.02	404	0.68	412	37	0.06	1515	2.57

Table 184. Scale Score Distribution, Writing Grade 9 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
413	22	0.04	1537	2.60	460	94	0.16	4392	7.44	507	222	0.38	12250	20.75
414	37	0.06	1574	2.67	461	117	0.20	4509	7.64	508	238	0.40	12488	21.15
415	37	0.06	1611	2.73	462	119	0.20	4628	7.84	509	224	0.38	12712	21.53
416	29	0.05	1640	2.78	463	101	0.17	4729	8.01	510	251	0.43	12963	21.96
417	36	0.06	1676	2.84	464	125	0.21	4854	8.22	511	260	0.44	13223	22.40
418	23	0.04	1699	2.88	465	114	0.19	4968	8.41	512	241	0.41	13464	22.80
419	35	0.06	1734	2.94	466	115	0.19	5083	8.61	513	235	0.40	13699	23.20
420	37	0.06	1771	3.00	467	127	0.22	5210	8.82	514	248	0.42	13947	23.62
421	42	0.07	1813	3.07	468	119	0.20	5329	9.03	515	267	0.45	14214	24.07
422	39	0.07	1852	3.14	469	138	0.23	5467	9.26	516	269	0.46	14483	24.53
423	33	0.06	1885	3.19	470	126	0.21	5593	9.47	517	246	0.42	14729	24.95
424	37	0.06	1922	3.26	471	122	0.21	5715	9.68	518	250	0.42	14979	25.37
425	45	0.08	1967	3.33	472	125	0.21	5840	9.89	519	260	0.44	15239	25.81
426	39	0.07	2006	3.40	473	127	0.22	5967	10.11	520	272	0.46	15511	26.27
427	41	0.07	2047	3.47	474	149	0.25	6116	10.36	521	314	0.53	15825	26.80
428	67	0.11	2114	3.58	475	127	0.22	6243	10.57	522	270	0.46	16095	27.26
429	40	0.07	2154	3.65	476	133	0.23	6376	10.80	523	279	0.47	16374	27.73
430	53	0.09	2207	3.74	477	140	0.24	6516	11.04	524	297	0.50	16671	28.24
431	50	0.08	2257	3.82	478	141	0.24	6657	11.27	525	262	0.44	16933	28.68
432	57	0.10	2314	3.92	479	136	0.23	6793	11.51	526	280	0.47	17213	29.15
433	46	0.08	2360	4.00	480	173	0.29	6966	11.80	527	297	0.50	17510	29.66
434	44	0.07	2404	4.07	481	130	0.22	7096	12.02	528	296	0.50	17806	30.16
435	61	0.10	2465	4.17	482	159	0.27	7255	12.29	529	264	0.45	18070	30.60
436	46	0.08	2511	4.25	483	163	0.28	7418	12.56	530	299	0.51	18369	31.11
437	71	0.12	2582	4.37	484	174	0.29	7592	12.86	531	264	0.45	18633	31.56
438	48	0.08	2630	4.45	485	166	0.28	7758	13.14	532	272	0.46	18905	32.02
439	65	0.11	2695	4.56	486	180	0.30	7938	13.44	533	310	0.53	19215	32.54
440	56	0.09	2751	4.66	487	176	0.30	8114	13.74	534	284	0.48	19499	33.03
441	57	0.10	2808	4.76	488	171	0.29	8285	14.03	535	289	0.49	19788	33.51
442	68	0.12	2876	4.87	489	152	0.26	8437	14.29	536	295	0.50	20083	34.01
443	56	0.09	2932	4.97	490	197	0.33	8634	14.62	537	283	0.48	20366	34.49
444	76	0.13	3008	5.09	491	169	0.29	8803	14.91	538	318	0.54	20684	35.03
445	73	0.12	3081	5.22	492	190	0.32	8993	15.23	539	318	0.54	21002	35.57
446	70	0.12	3151	5.34	493	190	0.32	9183	15.55	540	298	0.50	21300	36.08
447	76	0.13	3227	5.47	494	206	0.35	9389	15.90	541	278	0.47	21578	36.55
448	78	0.13	3305	5.60	495	193	0.33	9582	16.23	542	287	0.49	21865	37.03
449	85	0.14	3390	5.74	496	203	0.34	9785	16.57	543	324	0.55	22189	37.58
450	81	0.14	3471	5.88	497	203	0.34	9988	16.92	544	332	0.56	22521	38.14
451	86	0.15	3557	6.02	498	195	0.33	10183	17.25	545	312	0.53	22833	38.67
452	77	0.13	3634	6.15	499	227	0.38	10410	17.63	546	332	0.56	23165	39.23
453	79	0.13	3713	6.29	500	221	0.37	10631	18.01	547	302	0.51	23467	39.75
454	95	0.16	3808	6.45	501	213	0.36	10844	18.37	548	292	0.49	23759	40.24
455	85	0.14	3893	6.59	502	229	0.39	11073	18.75	549	343	0.58	24102	40.82
456	91	0.15	3984	6.75	503	242	0.41	11315	19.16	550	307	0.52	24409	41.34
457	112	0.19	4096	6.94	504	231	0.39	11546	19.56	551	305	0.52	24714	41.86
458	97	0.16	4193	7.10	505	247	0.42	11793	19.97	552	301	0.51	25015	42.37
459	105	0.18	4298	7.28	506	235	0.40	12028	20.37	553	332	0.56	25347	42.93

Table 184. Scale Score Distribution, Writing Grade 9 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
554	345	0.58	25692	43.51	601	342	0.58	41062	69.55	648	154	0.26	51962	88.01
555	316	0.54	26008	44.05	602	288	0.49	41350	70.03	649	167	0.28	52129	88.29
556	303	0.51	26311	44.56	603	291	0.49	41641	70.53	650	150	0.25	52279	88.54
557	323	0.55	26634	45.11	604	288	0.49	41929	71.01	651	178	0.30	52457	88.85
558	340	0.58	26974	45.69	605	272	0.46	42201	71.48	652	148	0.25	52605	89.10
559	348	0.59	27322	46.27	606	259	0.44	42460	71.91	653	130	0.22	52735	89.32
560	344	0.58	27666	46.86	607	272	0.46	42732	72.37	654	156	0.26	52891	89.58
561	366	0.62	28032	47.48	608	302	0.51	43034	72.89	655	147	0.25	53038	89.83
562	356	0.60	28388	48.08	609	279	0.47	43313	73.36	656	116	0.20	53154	90.03
563	348	0.59	28736	48.67	610	284	0.48	43597	73.84	657	132	0.22	53286	90.25
564	321	0.54	29057	49.21	611	274	0.46	43871	74.30	658	144	0.24	53430	90.49
565	318	0.54	29375	49.75	612	273	0.46	44144	74.77	659	145	0.25	53575	90.74
566	342	0.58	29717	50.33	613	241	0.41	44385	75.17	660	150	0.25	53725	90.99
567	315	0.53	30032	50.86	614	237	0.40	44622	75.58	661	118	0.20	53843	91.19
568	305	0.52	30337	51.38	615	269	0.46	44891	76.03	662	118	0.20	53961	91.39
569	333	0.56	30670	51.95	616	279	0.47	45170	76.50	663	128	0.22	54089	91.61
570	363	0.61	31033	52.56	617	249	0.42	45419	76.93	664	114	0.19	54203	91.80
571	316	0.54	31349	53.10	618	263	0.45	45682	77.37	665	112	0.19	54315	91.99
572	348	0.59	31697	53.68	619	239	0.40	45921	77.78	666	121	0.20	54436	92.20
573	342	0.58	32039	54.26	620	267	0.45	46188	78.23	667	115	0.19	54551	92.39
574	332	0.56	32371	54.83	621	251	0.43	46439	78.65	668	102	0.17	54653	92.56
575	318	0.54	32689	55.36	622	257	0.44	46696	79.09	669	109	0.18	54762	92.75
576	332	0.56	33021	55.93	623	255	0.43	46951	79.52	670	108	0.18	54870	92.93
577	339	0.57	33360	56.50	624	245	0.41	47196	79.93	671	102	0.17	54972	93.11
578	309	0.52	33669	57.02	625	247	0.42	47443	80.35	672	110	0.19	55082	93.29
579	311	0.53	33980	57.55	626	217	0.37	47660	80.72	673	108	0.18	55190	93.47
580	295	0.50	34275	58.05	627	231	0.39	47891	81.11	674	114	0.19	55304	93.67
581	315	0.53	34590	58.58	628	224	0.38	48115	81.49	675	96	0.16	55400	93.83
582	323	0.55	34913	59.13	629	220	0.37	48335	81.86	676	89	0.15	55489	93.98
583	317	0.54	35230	59.67	630	234	0.40	48569	82.26	677	87	0.15	55576	94.13
584	367	0.62	35597	60.29	631	227	0.38	48796	82.64	678	90	0.15	55666	94.28
585	347	0.59	35944	60.88	632	203	0.34	48999	82.99	679	82	0.14	55748	94.42
586	335	0.57	36279	61.45	633	199	0.34	49198	83.33	680	82	0.14	55830	94.56
587	335	0.57	36614	62.01	634	194	0.33	49392	83.65	681	78	0.13	55908	94.69
588	317	0.54	36931	62.55	635	180	0.30	49572	83.96	682	93	0.16	56001	94.85
589	319	0.54	37250	63.09	636	190	0.32	49762	84.28	683	71	0.12	56072	94.97
590	293	0.50	37543	63.59	637	200	0.34	49962	84.62	684	77	0.13	56149	95.10
591	306	0.52	37849	64.10	638	213	0.36	50175	84.98	685	51	0.09	56200	95.18
592	316	0.54	38165	64.64	639	193	0.33	50368	85.31	686	66	0.11	56266	95.30
593	320	0.54	38485	65.18	640	175	0.30	50543	85.60	687	81	0.14	56347	95.43
594	325	0.55	38810	65.73	641	210	0.36	50753	85.96	688	71	0.12	56418	95.55
595	306	0.52	39116	66.25	642	184	0.31	50937	86.27	689	61	0.10	56479	95.66
596	314	0.53	39430	66.78	643	186	0.32	51123	86.59	690	53	0.09	56532	95.75
597	332	0.56	39762	67.34	644	177	0.30	51300	86.89	691	57	0.10	56589	95.84
598	327	0.55	40089	67.90	645	170	0.29	51470	87.17	692	69	0.12	56658	95.96
599	327	0.55	40416	68.45	646	164	0.28	51634	87.45	693	48	0.08	56706	96.04
600	304	0.51	40720	68.97	647	174	0.29	51808	87.75	694	60	0.10	56766	96.14

Table 184. Scale Score Distribution, Writing Grade 9 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
695	44	0.07	56810	96.22	742	12	0.02	58282	98.71	790	4	0.01	58796	99.58
696	41	0.07	56851	96.29	743	20	0.03	58302	98.74	791	6	0.01	58802	99.59
697	53	0.09	56904	96.38	744	25	0.04	58327	98.79	792	2	0.00	58804	99.60
698	42	0.07	56946	96.45	745	8	0.01	58335	98.80	793	7	0.01	58811	99.61
699	38	0.06	56984	96.51	746	19	0.03	58354	98.83	794	5	0.01	58816	99.62
700	81	0.14	57065	96.65	747	17	0.03	58371	98.86	795	5	0.01	58821	99.62
701	40	0.07	57105	96.72	748	7	0.01	58378	98.87	796	4	0.01	58825	99.63
702	42	0.07	57147	96.79	749	9	0.02	58387	98.89	797	8	0.01	58833	99.64
703	38	0.06	57185	96.85	750	16	0.03	58403	98.92	798	2	0.00	58835	99.65
704	41	0.07	57226	96.92	751	19	0.03	58422	98.95	799	1	0.00	58836	99.65
705	38	0.06	57264	96.99	752	14	0.02	58436	98.97	800	4	0.01	58840	99.66
706	34	0.06	57298	97.04	753	19	0.03	58455	99.00	802	5	0.01	58845	99.66
707	36	0.06	57334	97.11	754	15	0.03	58470	99.03	803	3	0.01	58848	99.67
708	43	0.07	57377	97.18	755	13	0.02	58483	99.05	804	7	0.01	58855	99.68
709	35	0.06	57412	97.24	756	13	0.02	58496	99.07	805	4	0.01	58859	99.69
710	37	0.06	57449	97.30	757	6	0.01	58502	99.08	806	2	0.00	58861	99.69
711	44	0.07	57493	97.37	758	14	0.02	58516	99.11	807	4	0.01	58865	99.70
712	34	0.06	57527	97.43	759	23	0.04	58539	99.15	809	2	0.00	58867	99.70
713	26	0.04	57553	97.48	760	12	0.02	58551	99.17	810	1	0.00	58868	99.70
714	33	0.06	57586	97.53	761	19	0.03	58570	99.20	812	7	0.01	58875	99.72
715	30	0.05	57616	97.58	762	15	0.03	58585	99.22	813	3	0.01	58878	99.72
716	31	0.05	57647	97.64	763	13	0.02	58598	99.25	814	16	0.03	58894	99.75
717	50	0.08	57697	97.72	764	6	0.01	58604	99.26	815	1	0.00	58895	99.75
718	32	0.05	57729	97.77	765	12	0.02	58616	99.28	817	2	0.00	58897	99.75
719	32	0.05	57761	97.83	766	5	0.01	58621	99.29	818	8	0.01	58905	99.77
720	33	0.06	57794	97.88	767	4	0.01	58625	99.29	819	4	0.01	58909	99.77
721	32	0.05	57826	97.94	768	11	0.02	58636	99.31	820	3	0.01	58912	99.78
722	24	0.04	57850	97.98	769	4	0.01	58640	99.32	821	2	0.00	58914	99.78
723	24	0.04	57874	98.02	770	6	0.01	58646	99.33	822	1	0.00	58915	99.78
724	20	0.03	57894	98.05	771	8	0.01	58654	99.34	823	4	0.01	58919	99.79
725	28	0.05	57922	98.10	772	6	0.01	58660	99.35	826	11	0.02	58930	99.81
726	28	0.05	57950	98.15	773	10	0.02	58670	99.37	829	1	0.00	58931	99.81
727	13	0.02	57963	98.17	774	12	0.02	58682	99.39	830	1	0.00	58932	99.81
728	34	0.06	57997	98.23	775	9	0.02	58691	99.40	831	1	0.00	58933	99.81
729	26	0.04	58023	98.27	776	6	0.01	58697	99.41	832	13	0.02	58946	99.84
730	32	0.05	58055	98.33	777	5	0.01	58702	99.42	835	4	0.01	58950	99.84
731	21	0.04	58076	98.36	778	9	0.02	58711	99.44	836	6	0.01	58956	99.85
732	30	0.05	58106	98.41	779	4	0.01	58715	99.44	838	4	0.01	58960	99.86
733	16	0.03	58122	98.44	780	5	0.01	58720	99.45	840	2	0.00	58962	99.86
734	19	0.03	58141	98.47	781	1	0.00	58721	99.45	841	6	0.01	58968	99.87
735	12	0.02	58153	98.49	782	34	0.06	58755	99.51	846	4	0.01	58972	99.88
736	25	0.04	58178	98.53	783	4	0.01	58759	99.52	851	1	0.00	58973	99.88
737	14	0.02	58192	98.56	784	5	0.01	58764	99.53	853	1	0.00	58974	99.88
738	18	0.03	58210	98.59	785	12	0.02	58776	99.55	856	2	0.00	58976	99.89
739	21	0.04	58231	98.62	786	3	0.01	58779	99.55	858	1	0.00	58977	99.89
740	15	0.03	58246	98.65	788	6	0.01	58785	99.56	864	2	0.00	58979	99.89
741	24	0.04	58270	98.69	789	7	0.01	58792	99.57	865	2	0.00	58981	99.89

Table 184. Scale Score Distribution, Writing Grade 9 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %
867	1	0.00	58982	99.90
868	6	0.01	58988	99.91
873	4	0.01	58992	99.91
878	2	0.00	58994	99.92
889	12	0.02	59006	99.94
895	3	0.01	59009	99.94
898	4	0.01	59013	99.95
905	3	0.01	59016	99.95
908	13	0.02	59029	99.98
930	14	0.02	59043	100.00

Table 185. Scale Score Distribution, Mathematics Grade 9

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
340	707	1.20	707	1.20	387	15	0.03	1141	1.94	434	48	0.08	2505	4.25
341	7	0.01	714	1.21	388	17	0.03	1158	1.97	435	42	0.07	2547	4.32
342	8	0.01	722	1.23	389	23	0.04	1181	2.00	436	46	0.08	2593	4.40
343	9	0.02	731	1.24	390	23	0.04	1204	2.04	437	49	0.08	2642	4.48
344	2	0.00	733	1.24	391	16	0.03	1220	2.07	438	39	0.07	2681	4.55
345	9	0.02	742	1.26	392	23	0.04	1243	2.11	439	44	0.07	2725	4.63
346	5	0.01	747	1.27	393	18	0.03	1261	2.14	440	62	0.11	2787	4.73
347	4	0.01	751	1.27	394	20	0.03	1281	2.17	441	41	0.07	2828	4.80
348	5	0.01	756	1.28	395	17	0.03	1298	2.20	442	50	0.08	2878	4.89
349	8	0.01	764	1.30	396	17	0.03	1315	2.23	443	48	0.08	2926	4.97
350	10	0.02	774	1.31	397	22	0.04	1337	2.27	444	66	0.11	2992	5.08
351	7	0.01	781	1.33	398	22	0.04	1359	2.31	445	52	0.09	3044	5.17
352	5	0.01	786	1.33	399	24	0.04	1383	2.35	446	59	0.10	3103	5.27
353	8	0.01	794	1.35	400	18	0.03	1401	2.38	447	57	0.10	3160	5.36
354	6	0.01	800	1.36	401	26	0.04	1427	2.42	448	43	0.07	3203	5.44
355	9	0.02	809	1.37	402	25	0.04	1452	2.46	449	53	0.09	3256	5.53
356	15	0.03	824	1.40	403	22	0.04	1474	2.50	450	63	0.11	3319	5.63
357	4	0.01	828	1.41	404	20	0.03	1494	2.54	451	49	0.08	3368	5.72
358	6	0.01	834	1.42	405	19	0.03	1513	2.57	452	64	0.11	3432	5.83
359	8	0.01	842	1.43	406	27	0.05	1540	2.61	453	61	0.10	3493	5.93
360	5	0.01	847	1.44	407	29	0.05	1569	2.66	454	68	0.12	3561	6.04
361	12	0.02	859	1.46	408	34	0.06	1603	2.72	455	75	0.13	3636	6.17
362	3	0.01	862	1.46	409	29	0.05	1632	2.77	456	70	0.12	3706	6.29
363	11	0.02	873	1.48	410	30	0.05	1662	2.82	457	86	0.15	3792	6.44
364	10	0.02	883	1.50	411	29	0.05	1691	2.87	458	70	0.12	3862	6.56
365	4	0.01	887	1.51	412	27	0.05	1718	2.92	459	79	0.13	3941	6.69
366	9	0.02	896	1.52	413	21	0.04	1739	2.95	460	78	0.13	4019	6.82
367	5	0.01	901	1.53	414	24	0.04	1763	2.99	461	67	0.11	4086	6.94
368	9	0.02	910	1.54	415	25	0.04	1788	3.04	462	71	0.12	4157	7.06
369	6	0.01	916	1.55	416	32	0.05	1820	3.09	463	87	0.15	4244	7.20
370	11	0.02	927	1.57	417	30	0.05	1850	3.14	464	86	0.15	4330	7.35
371	11	0.02	938	1.59	418	38	0.06	1888	3.20	465	78	0.13	4408	7.48
372	10	0.02	948	1.61	419	37	0.06	1925	3.27	466	81	0.14	4489	7.62
373	13	0.02	961	1.63	420	32	0.05	1957	3.32	467	78	0.13	4567	7.75
374	12	0.02	973	1.65	421	23	0.04	1980	3.36	468	74	0.13	4641	7.88
375	9	0.02	982	1.67	422	34	0.06	2014	3.42	469	80	0.14	4721	8.01
376	12	0.02	994	1.69	423	31	0.05	2045	3.47	470	79	0.13	4800	8.15
377	11	0.02	1005	1.71	424	33	0.06	2078	3.53	471	93	0.16	4893	8.31
378	12	0.02	1017	1.73	425	37	0.06	2115	3.59	472	86	0.15	4979	8.45
379	9	0.02	1026	1.74	426	34	0.06	2149	3.65	473	111	0.19	5090	8.64
380	7	0.01	1033	1.75	427	36	0.06	2185	3.71	474	90	0.15	5180	8.79
381	12	0.02	1045	1.77	428	52	0.09	2237	3.80	475	114	0.19	5294	8.99
382	17	0.03	1062	1.80	429	45	0.08	2282	3.87	476	99	0.17	5393	9.15
383	17	0.03	1079	1.83	430	38	0.06	2320	3.94	477	113	0.19	5506	9.35
384	19	0.03	1098	1.86	431	34	0.06	2354	4.00	478	94	0.16	5600	9.51
385	12	0.02	1110	1.88	432	55	0.09	2409	4.09	479	91	0.15	5691	9.66
386	16	0.03	1126	1.91	433	48	0.08	2457	4.17	480	101	0.17	5792	9.83

Table 185. Scale Score Distribution, Mathematics Grade 9 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
481	99	0.17	5891	10.00	528	244	0.41	13560	23.02	575	317	0.54	27493	46.67
482	105	0.18	5996	10.18	529	220	0.37	13780	23.39	576	324	0.55	27817	47.22
483	100	0.17	6096	10.35	530	213	0.36	13993	23.75	577	332	0.56	28149	47.78
484	111	0.19	6207	10.54	531	229	0.39	14222	24.14	578	332	0.56	28481	48.34
485	101	0.17	6308	10.71	532	225	0.38	14447	24.52	579	360	0.61	28841	48.96
486	123	0.21	6431	10.92	533	248	0.42	14695	24.94	580	383	0.65	29224	49.61
487	120	0.20	6551	11.12	534	259	0.44	14954	25.38	581	379	0.64	29603	50.25
488	128	0.22	6679	11.34	535	247	0.42	15201	25.80	582	349	0.59	29952	50.84
489	134	0.23	6813	11.56	536	241	0.41	15442	26.21	583	365	0.62	30317	51.46
490	103	0.17	6916	11.74	537	256	0.43	15698	26.65	584	346	0.59	30663	52.05
491	106	0.18	7022	11.92	538	242	0.41	15940	27.06	585	347	0.59	31010	52.64
492	110	0.19	7132	12.11	539	288	0.49	16228	27.55	586	315	0.53	31325	53.17
493	133	0.23	7265	12.33	540	280	0.48	16508	28.02	587	366	0.62	31691	53.79
494	145	0.25	7410	12.58	541	247	0.42	16755	28.44	588	370	0.63	32061	54.42
495	134	0.23	7544	12.81	542	275	0.47	17030	28.91	589	333	0.57	32394	54.99
496	125	0.21	7669	13.02	543	284	0.48	17314	29.39	590	353	0.60	32747	55.59
497	151	0.26	7820	13.27	544	289	0.49	17603	29.88	591	309	0.52	33056	56.11
498	164	0.28	7984	13.55	545	285	0.48	17888	30.36	592	336	0.57	33392	56.68
499	150	0.25	8134	13.81	546	287	0.49	18175	30.85	593	328	0.56	33720	57.24
500	138	0.23	8272	14.04	547	291	0.49	18466	31.35	594	325	0.55	34045	57.79
501	148	0.25	8420	14.29	548	291	0.49	18757	31.84	595	315	0.53	34360	58.32
502	148	0.25	8568	14.54	549	280	0.48	19037	32.31	596	349	0.59	34709	58.92
503	148	0.25	8716	14.79	550	288	0.49	19325	32.80	597	345	0.59	35054	59.50
504	169	0.29	8885	15.08	551	295	0.50	19620	33.30	598	330	0.56	35384	60.06
505	132	0.22	9017	15.31	552	336	0.57	19956	33.87	599	347	0.59	35731	60.65
506	164	0.28	9181	15.58	553	332	0.56	20288	34.44	600	361	0.61	36092	61.26
507	167	0.28	9348	15.87	554	310	0.53	20598	34.96	601	363	0.62	36455	61.88
508	168	0.29	9516	16.15	555	313	0.53	20911	35.50	602	326	0.55	36781	62.43
509	185	0.31	9701	16.47	556	344	0.58	21255	36.08	603	342	0.58	37123	63.01
510	163	0.28	9864	16.74	557	316	0.54	21571	36.62	604	343	0.58	37466	63.60
511	174	0.30	10038	17.04	558	341	0.58	21912	37.19	605	326	0.55	37792	64.15
512	167	0.28	10205	17.32	559	320	0.54	22232	37.74	606	313	0.53	38105	64.68
513	194	0.33	10399	17.65	560	322	0.55	22554	38.28	607	302	0.51	38407	65.19
514	194	0.33	10593	17.98	561	327	0.56	22881	38.84	608	321	0.54	38728	65.74
515	218	0.37	10811	18.35	562	296	0.50	23177	39.34	609	356	0.60	39084	66.34
516	208	0.35	11019	18.70	563	345	0.59	23522	39.93	610	348	0.59	39432	66.93
517	198	0.34	11217	19.04	564	370	0.63	23892	40.56	611	315	0.53	39747	67.47
518	207	0.35	11424	19.39	565	311	0.53	24203	41.08	612	288	0.49	40035	67.96
519	202	0.34	11626	19.73	566	344	0.58	24547	41.67	613	310	0.53	40345	68.48
520	181	0.31	11807	20.04	567	321	0.54	24868	42.21	614	302	0.51	40647	69.00
521	191	0.32	11998	20.37	568	348	0.59	25216	42.80	615	308	0.52	40955	69.52
522	201	0.34	12199	20.71	569	324	0.55	25540	43.35	616	334	0.57	41289	70.09
523	241	0.41	12440	21.12	570	332	0.56	25872	43.92	617	324	0.55	41613	70.64
524	207	0.35	12647	21.47	571	317	0.54	26189	44.45	618	297	0.50	41910	71.14
525	215	0.36	12862	21.83	572	353	0.60	26542	45.05	619	293	0.50	42203	71.64
526	228	0.39	13090	22.22	573	303	0.51	26845	45.57	620	304	0.52	42507	72.15
527	226	0.38	13316	22.60	574	331	0.56	27176	46.13	621	313	0.53	42820	72.68

Table 185. Scale Score Distribution, Mathematics Grade 9 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
622	323	0.55	43143	73.23	669	183	0.31	54062	91.77	716	34	0.06	58259	98.89
623	311	0.53	43454	73.76	670	156	0.26	54218	92.03	717	34	0.06	58293	98.95
624	335	0.57	43789	74.33	671	191	0.32	54409	92.36	718	30	0.05	58323	99.00
625	287	0.49	44076	74.82	672	131	0.22	54540	92.58	719	34	0.06	58357	99.06
626	300	0.51	44376	75.33	673	137	0.23	54677	92.81	720	33	0.06	58390	99.11
627	301	0.51	44677	75.84	674	159	0.27	54836	93.08	721	17	0.03	58407	99.14
628	276	0.47	44953	76.31	675	137	0.23	54973	93.31	722	13	0.02	58420	99.16
629	227	0.39	45180	76.69	676	149	0.25	55122	93.57	723	18	0.03	58438	99.20
630	253	0.43	45433	77.12	677	131	0.22	55253	93.79	724	23	0.04	58461	99.23
631	274	0.47	45707	77.59	678	122	0.21	55375	94.00	725	20	0.03	58481	99.27
632	246	0.42	45953	78.00	679	148	0.25	55523	94.25	726	24	0.04	58505	99.31
633	285	0.48	46238	78.49	680	135	0.23	55658	94.48	727	19	0.03	58524	99.34
634	274	0.47	46512	78.95	681	145	0.25	55803	94.72	728	26	0.04	58550	99.39
635	254	0.43	46766	79.38	682	96	0.16	55899	94.89	729	18	0.03	58568	99.42
636	272	0.46	47038	79.84	683	111	0.19	56010	95.07	730	24	0.04	58592	99.46
637	255	0.43	47293	80.28	684	107	0.18	56117	95.26	731	16	0.03	58608	99.48
638	251	0.43	47544	80.70	685	109	0.19	56226	95.44	732	13	0.02	58621	99.51
639	258	0.44	47802	81.14	686	106	0.18	56332	95.62	733	9	0.02	58630	99.52
640	235	0.40	48037	81.54	687	104	0.18	56436	95.80	734	6	0.01	58636	99.53
641	231	0.39	48268	81.93	688	94	0.16	56530	95.96	735	16	0.03	58652	99.56
642	220	0.37	48488	82.31	689	103	0.17	56633	96.13	736	18	0.03	58670	99.59
643	255	0.43	48743	82.74	690	80	0.14	56713	96.27	737	16	0.03	58686	99.62
644	268	0.45	49011	83.19	691	81	0.14	56794	96.40	738	8	0.01	58694	99.63
645	232	0.39	49243	83.59	692	83	0.14	56877	96.55	739	8	0.01	58702	99.64
646	223	0.38	49466	83.97	693	91	0.15	56968	96.70	740	9	0.02	58711	99.66
647	235	0.40	49701	84.36	694	81	0.14	57049	96.84	741	13	0.02	58724	99.68
648	224	0.38	49925	84.75	695	69	0.12	57118	96.95	742	11	0.02	58735	99.70
649	224	0.38	50149	85.13	696	83	0.14	57201	97.10	743	9	0.02	58744	99.71
650	213	0.36	50362	85.49	697	93	0.16	57294	97.25	744	11	0.02	58755	99.73
651	220	0.37	50582	85.86	698	57	0.10	57351	97.35	745	12	0.02	58767	99.75
652	208	0.35	50790	86.21	699	81	0.14	57432	97.49	746	7	0.01	58774	99.77
653	217	0.37	51007	86.58	700	66	0.11	57498	97.60	747	5	0.01	58779	99.77
654	182	0.31	51189	86.89	701	64	0.11	57562	97.71	748	4	0.01	58783	99.78
655	219	0.37	51408	87.26	702	72	0.12	57634	97.83	749	9	0.02	58792	99.80
656	231	0.39	51639	87.65	703	69	0.12	57703	97.95	750	10	0.02	58802	99.81
657	213	0.36	51852	88.02	704	46	0.08	57749	98.03	751	9	0.02	58811	99.83
658	224	0.38	52076	88.40	705	49	0.08	57798	98.11	752	5	0.01	58816	99.84
659	198	0.34	52274	88.73	706	50	0.08	57848	98.19	753	8	0.01	58824	99.85
660	191	0.32	52465	89.06	707	46	0.08	57894	98.27	754	3	0.01	58827	99.86
661	176	0.30	52641	89.36	708	51	0.09	57945	98.36	755	4	0.01	58831	99.86
662	199	0.34	52840	89.69	709	45	0.08	57990	98.43	756	4	0.01	58835	99.87
663	156	0.26	52996	89.96	710	51	0.09	58041	98.52	757	4	0.01	58839	99.88
664	193	0.33	53189	90.29	711	37	0.06	58078	98.58	758	4	0.01	58843	99.88
665	188	0.32	53377	90.60	712	47	0.08	58125	98.66	759	6	0.01	58849	99.89
666	162	0.27	53539	90.88	713	35	0.06	58160	98.72	760	4	0.01	58853	99.90
667	167	0.28	53706	91.16	714	35	0.06	58195	98.78	761	5	0.01	58858	99.91
668	173	0.29	53879	91.46	715	30	0.05	58225	98.83	762	1	0.00	58859	99.91

Table 185. Scale Score Distribution, Mathematics Grade 9 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %
763	8	0.01	58867	99.92
764	2	0.00	58869	99.93
766	1	0.00	58870	99.93
768	2	0.00	58872	99.93
769	1	0.00	58873	99.93
770	2	0.00	58875	99.94
771	4	0.01	58879	99.94
774	3	0.01	58882	99.95
775	2	0.00	58884	99.95
776	4	0.01	58888	99.96
779	1	0.00	58889	99.96
780	1	0.00	58890	99.96
781	1	0.00	58891	99.96
782	1	0.00	58892	99.97
785	2	0.00	58894	99.97
786	1	0.00	58895	99.97
790	1	0.00	58896	99.97
793	1	0.00	58897	99.97
794	1	0.00	58898	99.98
795	1	0.00	58899	99.98
797	1	0.00	58900	99.98
799	1	0.00	58901	99.98
801	1	0.00	58902	99.98
802	1	0.00	58903	99.98
803	1	0.00	58904	99.99
804	1	0.00	58905	99.99
817	2	0.00	58907	99.99
823	2	0.00	58909	99.99
836	1	0.00	58910	100.00
866	2	0.00	58912	100.00

Table 186. Scale Score Distribution, Reading Grade 10

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
370	217	0.39	217	0.39	458	2	0.00	285	0.51	507	12	0.02	480	0.85
375	1	0.00	218	0.39	459	4	0.01	289	0.51	508	4	0.01	484	0.86
378	2	0.00	220	0.39	461	5	0.01	294	0.52	509	6	0.01	490	0.87
382	2	0.00	222	0.39	462	2	0.00	296	0.53	510	13	0.02	503	0.89
383	1	0.00	223	0.40	463	1	0.00	297	0.53	511	9	0.02	512	0.91
385	1	0.00	224	0.40	464	1	0.00	298	0.53	512	12	0.02	524	0.93
386	1	0.00	225	0.40	465	2	0.00	300	0.53	513	7	0.01	531	0.94
387	1	0.00	226	0.40	466	2	0.00	302	0.54	514	5	0.01	536	0.95
395	1	0.00	227	0.40	468	3	0.01	305	0.54	515	8	0.01	544	0.97
396	1	0.00	228	0.40	469	3	0.01	308	0.55	516	4	0.01	548	0.97
398	1	0.00	229	0.41	470	3	0.01	311	0.55	517	10	0.02	558	0.99
400	1	0.00	230	0.41	471	3	0.01	314	0.56	518	5	0.01	563	1.00
401	1	0.00	231	0.41	472	1	0.00	315	0.56	519	6	0.01	569	1.01
402	1	0.00	232	0.41	473	1	0.00	316	0.56	520	5	0.01	574	1.02
403	1	0.00	233	0.41	474	3	0.01	319	0.57	521	8	0.01	582	1.03
404	1	0.00	234	0.42	475	1	0.00	320	0.57	522	9	0.02	591	1.05
408	2	0.00	236	0.42	476	2	0.00	322	0.57	523	8	0.01	599	1.06
410	2	0.00	238	0.42	477	3	0.01	325	0.58	524	6	0.01	605	1.07
412	1	0.00	239	0.42	478	2	0.00	327	0.58	525	9	0.02	614	1.09
413	1	0.00	240	0.43	479	2	0.00	329	0.58	526	12	0.02	626	1.11
416	3	0.01	243	0.43	480	5	0.01	334	0.59	527	11	0.02	637	1.13
420	1	0.00	244	0.43	481	5	0.01	339	0.60	528	5	0.01	642	1.14
424	2	0.00	246	0.44	482	5	0.01	344	0.61	529	7	0.01	649	1.15
426	1	0.00	247	0.44	483	6	0.01	350	0.62	530	15	0.03	664	1.18
427	1	0.00	248	0.44	484	5	0.01	355	0.63	531	12	0.02	676	1.20
428	1	0.00	249	0.44	485	4	0.01	359	0.64	532	17	0.03	693	1.23
430	1	0.00	250	0.44	486	3	0.01	362	0.64	533	13	0.02	706	1.25
431	4	0.01	254	0.45	487	3	0.01	365	0.65	534	16	0.03	722	1.28
433	1	0.00	255	0.45	488	3	0.01	368	0.65	535	11	0.02	733	1.30
434	1	0.00	256	0.45	489	4	0.01	372	0.66	536	14	0.02	747	1.33
437	1	0.00	257	0.46	490	4	0.01	376	0.67	537	19	0.03	766	1.36
438	2	0.00	259	0.46	491	7	0.01	383	0.68	538	17	0.03	783	1.39
439	1	0.00	260	0.46	492	2	0.00	385	0.68	539	11	0.02	794	1.41
440	2	0.00	262	0.47	493	4	0.01	389	0.69	540	20	0.04	814	1.45
441	1	0.00	263	0.47	494	4	0.01	393	0.70	541	20	0.04	834	1.48
443	1	0.00	264	0.47	495	6	0.01	399	0.71	542	19	0.03	853	1.51
444	1	0.00	265	0.47	496	6	0.01	405	0.72	543	17	0.03	870	1.55
446	2	0.00	267	0.47	497	4	0.01	409	0.73	544	17	0.03	887	1.58
447	1	0.00	268	0.48	498	8	0.01	417	0.74	545	22	0.04	909	1.61
449	1	0.00	269	0.48	499	6	0.01	423	0.75	546	23	0.04	932	1.66
450	2	0.00	271	0.48	500	7	0.01	430	0.76	547	22	0.04	954	1.69
452	1	0.00	272	0.48	501	5	0.01	435	0.77	548	23	0.04	977	1.74
453	1	0.00	273	0.48	502	10	0.02	445	0.79	549	18	0.03	995	1.77
454	4	0.01	277	0.49	503	7	0.01	452	0.80	550	22	0.04	1017	1.81
455	2	0.00	279	0.50	504	7	0.01	459	0.82	551	17	0.03	1034	1.84
456	2	0.00	281	0.50	505	5	0.01	464	0.82	552	20	0.04	1054	1.87
457	2	0.00	283	0.50	506	4	0.01	468	0.83	553	21	0.04	1075	1.91

Table 186. Scale Score Distribution, Reading Grade 10 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
554	20	0.04	1095	1.94	601	76	0.13	3630	6.45	648	331	0.59	12165	21.61
555	23	0.04	1118	1.99	602	101	0.18	3731	6.63	649	294	0.52	12459	22.13
556	24	0.04	1142	2.03	603	113	0.20	3844	6.83	650	329	0.58	12788	22.71
557	25	0.04	1167	2.07	604	105	0.19	3949	7.01	651	326	0.58	13114	23.29
558	26	0.05	1193	2.12	605	111	0.20	4060	7.21	652	292	0.52	13406	23.81
559	32	0.06	1225	2.18	606	108	0.19	4168	7.40	653	331	0.59	13737	24.40
560	25	0.04	1250	2.22	607	110	0.20	4278	7.60	654	334	0.59	14071	24.99
561	36	0.06	1286	2.28	608	115	0.20	4393	7.80	655	354	0.63	14425	25.62
562	38	0.07	1324	2.35	609	120	0.21	4513	8.02	656	298	0.53	14723	26.15
563	29	0.05	1353	2.40	610	135	0.24	4648	8.25	657	349	0.62	15072	26.77
564	44	0.08	1397	2.48	611	122	0.22	4770	8.47	658	386	0.69	15458	27.45
565	25	0.04	1422	2.53	612	134	0.24	4904	8.71	659	345	0.61	15803	28.07
566	33	0.06	1455	2.58	613	112	0.20	5016	8.91	660	352	0.63	16155	28.69
567	36	0.06	1491	2.65	614	125	0.22	5141	9.13	661	380	0.67	16535	29.37
568	44	0.08	1535	2.73	615	120	0.21	5261	9.34	662	388	0.69	16923	30.06
569	45	0.08	1580	2.81	616	151	0.27	5412	9.61	663	400	0.71	17323	30.77
570	63	0.11	1643	2.92	617	163	0.29	5575	9.90	664	410	0.73	17733	31.49
571	47	0.08	1690	3.00	618	143	0.25	5718	10.16	665	395	0.70	18128	32.20
572	48	0.09	1738	3.09	619	147	0.26	5865	10.42	666	400	0.71	18528	32.91
573	34	0.06	1772	3.15	620	158	0.28	6023	10.70	667	419	0.74	18947	33.65
574	48	0.09	1820	3.23	621	160	0.28	6183	10.98	668	419	0.74	19366	34.39
575	50	0.09	1870	3.32	622	166	0.29	6349	11.28	669	420	0.75	19786	35.14
576	57	0.10	1927	3.42	623	162	0.29	6511	11.56	670	442	0.78	20228	35.93
577	43	0.08	1970	3.50	624	159	0.28	6670	11.85	671	426	0.76	20654	36.68
578	47	0.08	2017	3.58	625	181	0.32	6851	12.17	672	438	0.78	21092	37.46
579	55	0.10	2072	3.68	626	174	0.31	7025	12.48	673	471	0.84	21563	38.30
580	52	0.09	2124	3.77	627	158	0.28	7183	12.76	674	432	0.77	21995	39.06
581	63	0.11	2187	3.88	628	172	0.31	7355	13.06	675	464	0.82	22459	39.89
582	56	0.10	2243	3.98	629	173	0.31	7528	13.37	676	453	0.80	22912	40.69
583	64	0.11	2307	4.10	630	210	0.37	7738	13.74	677	488	0.87	23400	41.56
584	45	0.08	2352	4.18	631	197	0.35	7935	14.09	678	514	0.91	23914	42.47
585	57	0.10	2409	4.28	632	195	0.35	8130	14.44	679	476	0.85	24390	43.32
586	49	0.09	2458	4.37	633	192	0.34	8322	14.78	680	456	0.81	24846	44.13
587	58	0.10	2516	4.47	634	226	0.40	8548	15.18	681	459	0.82	25305	44.94
588	57	0.10	2573	4.57	635	214	0.38	8762	15.56	682	492	0.87	25797	45.82
589	76	0.13	2649	4.70	636	247	0.44	9009	16.00	683	498	0.88	26295	46.70
590	63	0.11	2712	4.82	637	226	0.40	9235	16.40	684	506	0.90	26801	47.60
591	68	0.12	2780	4.94	638	230	0.41	9465	16.81	685	489	0.87	27290	48.47
592	85	0.15	2865	5.09	639	257	0.46	9722	17.27	686	495	0.88	27785	49.35
593	79	0.14	2944	5.23	640	209	0.37	9931	17.64	687	516	0.92	28301	50.26
594	85	0.15	3029	5.38	641	249	0.44	10180	18.08	688	475	0.84	28776	51.11
595	84	0.15	3113	5.53	642	265	0.47	10445	18.55	689	518	0.92	29294	52.03
596	85	0.15	3198	5.68	643	275	0.49	10720	19.04	690	487	0.86	29781	52.89
597	90	0.16	3288	5.84	644	272	0.48	10992	19.52	691	542	0.96	30323	53.85
598	90	0.16	3378	6.00	645	262	0.47	11254	19.99	692	515	0.91	30838	54.77
599	85	0.15	3463	6.15	646	285	0.51	11539	20.49	693	494	0.88	31332	55.65
600	91	0.16	3554	6.31	647	295	0.52	11834	21.02	694	511	0.91	31843	56.55

Table 186. Scale Score Distribution, Reading Grade 10 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
695	551	0.98	32394	57.53	742	253	0.45	50987	90.55	789	21	0.04	55969	99.40
696	519	0.92	32913	58.45	743	209	0.37	51196	90.92	790	13	0.02	55982	99.42
697	529	0.94	33442	59.39	744	214	0.38	51410	91.30	791	24	0.04	56006	99.47
698	501	0.89	33943	60.28	745	210	0.37	51620	91.68	792	20	0.04	56026	99.50
699	475	0.84	34418	61.13	746	206	0.37	51826	92.04	793	14	0.02	56040	99.53
700	479	0.85	34897	61.98	747	222	0.39	52048	92.44	794	19	0.03	56059	99.56
701	489	0.87	35386	62.85	748	193	0.34	52241	92.78	795	24	0.04	56083	99.60
702	476	0.85	35862	63.69	749	194	0.34	52435	93.13	796	11	0.02	56094	99.62
703	493	0.88	36355	64.57	750	200	0.36	52635	93.48	797	10	0.02	56104	99.64
704	450	0.80	36805	65.37	751	155	0.28	52790	93.76	798	17	0.03	56121	99.67
705	492	0.87	37297	66.24	752	174	0.31	52964	94.06	799	12	0.02	56133	99.69
706	490	0.87	37787	67.11	753	161	0.29	53125	94.35	800	15	0.03	56148	99.72
707	492	0.87	38279	67.98	754	177	0.31	53302	94.66	801	11	0.02	56159	99.74
708	492	0.87	38771	68.86	755	165	0.29	53467	94.96	802	10	0.02	56169	99.76
709	482	0.86	39253	69.71	756	164	0.29	53631	95.25	803	7	0.01	56176	99.77
710	459	0.82	39712	70.53	757	120	0.21	53751	95.46	804	12	0.02	56188	99.79
711	468	0.83	40180	71.36	758	128	0.23	53879	95.69	805	9	0.02	56197	99.81
712	422	0.75	40602	72.11	759	125	0.22	54004	95.91	806	6	0.01	56203	99.82
713	442	0.78	41044	72.89	760	132	0.23	54136	96.15	807	6	0.01	56209	99.83
714	500	0.89	41544	73.78	761	125	0.22	54261	96.37	808	6	0.01	56215	99.84
715	413	0.73	41957	74.52	762	100	0.18	54361	96.55	809	6	0.01	56221	99.85
716	455	0.81	42412	75.32	763	121	0.21	54482	96.76	810	7	0.01	56228	99.86
717	425	0.75	42837	76.08	764	114	0.20	54596	96.96	811	9	0.02	56237	99.88
718	388	0.69	43225	76.77	765	107	0.19	54703	97.15	812	5	0.01	56242	99.89
719	416	0.74	43641	77.51	766	95	0.17	54798	97.32	813	3	0.01	56245	99.89
720	394	0.70	44035	78.21	767	86	0.15	54884	97.47	814	5	0.01	56250	99.90
721	404	0.72	44439	78.92	768	74	0.13	54958	97.61	815	4	0.01	56254	99.91
722	382	0.68	44821	79.60	769	65	0.12	55023	97.72	816	4	0.01	56258	99.91
723	380	0.67	45201	80.28	770	78	0.14	55101	97.86	817	3	0.01	56261	99.92
724	389	0.69	45590	80.97	771	74	0.13	55175	97.99	818	7	0.01	56268	99.93
725	356	0.63	45946	81.60	772	72	0.13	55247	98.12	819	2	0.00	56270	99.94
726	377	0.67	46323	82.27	773	59	0.10	55306	98.22	820	4	0.01	56274	99.94
727	365	0.65	46688	82.92	774	77	0.14	55383	98.36	821	3	0.01	56277	99.95
728	307	0.55	46995	83.46	775	52	0.09	55435	98.45	822	5	0.01	56282	99.96
729	336	0.60	47331	84.06	776	58	0.10	55493	98.56	823	3	0.01	56285	99.96
730	309	0.55	47640	84.61	777	53	0.09	55546	98.65	824	1	0.00	56286	99.96
731	310	0.55	47950	85.16	778	61	0.11	55607	98.76	825	1	0.00	56287	99.97
732	327	0.58	48277	85.74	779	46	0.08	55653	98.84	826	1	0.00	56288	99.97
733	298	0.53	48575	86.27	780	36	0.06	55689	98.90	828	2	0.00	56290	99.97
734	295	0.52	48870	86.79	781	31	0.06	55720	98.96	832	1	0.00	56291	99.97
735	281	0.50	49151	87.29	782	38	0.07	55758	99.03	833	3	0.01	56294	99.98
736	298	0.53	49449	87.82	783	41	0.07	55799	99.10	836	1	0.00	56295	99.98
737	269	0.48	49718	88.30	784	33	0.06	55832	99.16	837	1	0.00	56296	99.98
738	265	0.47	49983	88.77	785	22	0.04	55854	99.20	841	1	0.00	56297	99.98
739	246	0.44	50229	89.21	786	29	0.05	55883	99.25	842	1	0.00	56298	99.99
740	252	0.45	50481	89.65	787	38	0.07	55921	99.32	844	2	0.00	56300	99.99
741	253	0.45	50734	90.10	788	27	0.05	55948	99.36	846	1	0.00	56301	99.99

Table 186. Scale Score Distribution, Reading Grade 10 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %
850	2	0.00	56303	99.99
864	1	0.00	56304	100.00
866	1	0.00	56305	100.00
981	1	0.00	56306	100.00

Table 187. Scale Score Distribution, Writing Grade 10

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
270	100	0.18	100	0.18	325	3	0.01	193	0.34	373	13	0.02	437	0.78
271	2	0.00	102	0.18	326	2	0.00	195	0.35	374	14	0.02	451	0.80
272	1	0.00	103	0.18	327	4	0.01	199	0.35	375	7	0.01	458	0.81
273	2	0.00	105	0.19	329	3	0.01	202	0.36	376	8	0.01	466	0.83
275	2	0.00	107	0.19	330	1	0.00	203	0.36	377	9	0.02	475	0.84
278	1	0.00	108	0.19	331	3	0.01	206	0.37	378	12	0.02	487	0.86
280	1	0.00	109	0.19	332	1	0.00	207	0.37	379	8	0.01	495	0.88
281	1	0.00	110	0.20	333	2	0.00	209	0.37	380	7	0.01	502	0.89
282	2	0.00	112	0.20	334	2	0.00	211	0.37	381	14	0.02	516	0.92
283	1	0.00	113	0.20	335	4	0.01	215	0.38	382	12	0.02	528	0.94
284	3	0.01	116	0.21	336	2	0.00	217	0.38	383	14	0.02	542	0.96
286	2	0.00	118	0.21	337	1	0.00	218	0.39	384	17	0.03	559	0.99
287	3	0.01	121	0.21	338	3	0.01	221	0.39	385	11	0.02	570	1.01
288	1	0.00	122	0.22	339	1	0.00	222	0.39	386	16	0.03	586	1.04
289	4	0.01	126	0.22	340	1	0.00	223	0.40	387	8	0.01	594	1.05
290	5	0.01	131	0.23	341	6	0.01	229	0.41	388	20	0.04	614	1.09
291	1	0.00	132	0.23	342	4	0.01	233	0.41	389	19	0.03	633	1.12
293	1	0.00	133	0.24	343	5	0.01	238	0.42	390	11	0.02	644	1.14
294	1	0.00	134	0.24	344	5	0.01	243	0.43	391	19	0.03	663	1.18
296	1	0.00	135	0.24	345	3	0.01	246	0.44	392	15	0.03	678	1.20
297	1	0.00	136	0.24	346	4	0.01	250	0.44	393	8	0.01	686	1.22
298	1	0.00	137	0.24	347	4	0.01	254	0.45	394	6	0.01	692	1.23
299	2	0.00	139	0.25	348	2	0.00	256	0.45	395	22	0.04	714	1.27
300	2	0.00	141	0.25	349	3	0.01	259	0.46	396	15	0.03	729	1.29
301	2	0.00	143	0.25	350	6	0.01	265	0.47	397	23	0.04	752	1.33
302	1	0.00	144	0.26	351	8	0.01	273	0.48	398	18	0.03	770	1.37
303	2	0.00	146	0.26	352	5	0.01	278	0.49	399	14	0.02	784	1.39
304	1	0.00	147	0.26	353	7	0.01	285	0.51	400	19	0.03	803	1.42
305	3	0.01	150	0.27	354	5	0.01	290	0.51	401	14	0.02	817	1.45
306	1	0.00	151	0.27	355	5	0.01	295	0.52	402	20	0.04	837	1.48
307	1	0.00	152	0.27	356	6	0.01	301	0.53	403	20	0.04	857	1.52
308	1	0.00	153	0.27	357	7	0.01	308	0.55	404	15	0.03	872	1.55
309	1	0.00	154	0.27	358	9	0.02	317	0.56	405	26	0.05	898	1.59
310	3	0.01	157	0.28	359	5	0.01	322	0.57	406	18	0.03	916	1.62
311	1	0.00	158	0.28	360	9	0.02	331	0.59	407	24	0.04	940	1.67
312	1	0.00	159	0.28	361	3	0.01	334	0.59	408	23	0.04	963	1.71
313	1	0.00	160	0.28	362	5	0.01	339	0.60	409	27	0.05	990	1.76
314	2	0.00	162	0.29	363	11	0.02	350	0.62	410	21	0.04	1011	1.79
315	3	0.01	165	0.29	364	4	0.01	354	0.63	411	20	0.04	1031	1.83
316	2	0.00	167	0.30	365	10	0.02	364	0.65	412	24	0.04	1055	1.87
317	4	0.01	171	0.30	366	5	0.01	369	0.65	413	24	0.04	1079	1.91
318	2	0.00	173	0.31	367	7	0.01	376	0.67	414	28	0.05	1107	1.96
320	4	0.01	177	0.31	368	5	0.01	381	0.68	415	22	0.04	1129	2.00
321	2	0.00	179	0.32	369	11	0.02	392	0.70	416	28	0.05	1157	2.05
322	3	0.01	182	0.32	370	18	0.03	410	0.73	417	38	0.07	1195	2.12
323	5	0.01	187	0.33	371	9	0.02	419	0.74	418	23	0.04	1218	2.16
324	3	0.01	190	0.34	372	5	0.01	424	0.75	419	28	0.05	1246	2.21

Table 187. Scale Score Distribution, Writing Grade 10 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
420	27	0.05	1273	2.26	467	102	0.18	4232	7.51	514	177	0.31	11098	19.69
421	33	0.06	1306	2.32	468	93	0.16	4325	7.67	515	196	0.35	11294	20.03
422	28	0.05	1334	2.37	469	105	0.19	4430	7.86	516	218	0.39	11512	20.42
423	28	0.05	1362	2.42	470	108	0.19	4538	8.05	517	219	0.39	11731	20.81
424	22	0.04	1384	2.46	471	115	0.20	4653	8.25	518	206	0.37	11937	21.17
425	32	0.06	1416	2.51	472	116	0.21	4769	8.46	519	228	0.40	12165	21.58
426	39	0.07	1455	2.58	473	110	0.20	4879	8.65	520	234	0.42	12399	21.99
427	60	0.11	1515	2.69	474	110	0.20	4989	8.85	521	223	0.40	12622	22.39
428	44	0.08	1559	2.77	475	111	0.20	5100	9.05	522	215	0.38	12837	22.77
429	49	0.09	1608	2.85	476	131	0.23	5231	9.28	523	243	0.43	13080	23.20
430	46	0.08	1654	2.93	477	129	0.23	5360	9.51	524	252	0.45	13332	23.65
431	45	0.08	1699	3.01	478	126	0.22	5486	9.73	525	228	0.40	13560	24.05
432	47	0.08	1746	3.10	479	141	0.25	5627	9.98	526	224	0.40	13784	24.45
433	42	0.07	1788	3.17	480	125	0.22	5752	10.20	527	225	0.40	14009	24.85
434	48	0.09	1836	3.26	481	108	0.19	5860	10.39	528	235	0.42	14244	25.27
435	42	0.07	1878	3.33	482	116	0.21	5976	10.60	529	224	0.40	14468	25.66
436	53	0.09	1931	3.43	483	120	0.21	6096	10.81	530	232	0.41	14700	26.08
437	50	0.09	1981	3.51	484	117	0.21	6213	11.02	531	240	0.43	14940	26.50
438	50	0.09	2031	3.60	485	134	0.24	6347	11.26	532	260	0.46	15200	26.96
439	58	0.10	2089	3.71	486	147	0.26	6494	11.52	533	274	0.49	15474	27.45
440	65	0.12	2154	3.82	487	128	0.23	6622	11.75	534	260	0.46	15734	27.91
441	63	0.11	2217	3.93	488	139	0.25	6761	11.99	535	249	0.44	15983	28.35
442	61	0.11	2278	4.04	489	134	0.24	6895	12.23	536	246	0.44	16229	28.79
443	55	0.10	2333	4.14	490	146	0.26	7041	12.49	537	237	0.42	16466	29.21
444	74	0.13	2407	4.27	491	134	0.24	7175	12.73	538	288	0.51	16754	29.72
445	76	0.13	2483	4.40	492	132	0.23	7307	12.96	539	242	0.43	16996	30.15
446	70	0.12	2553	4.53	493	149	0.26	7456	13.23	540	303	0.54	17299	30.69
447	54	0.10	2607	4.62	494	167	0.30	7623	13.52	541	276	0.49	17575	31.18
448	59	0.10	2666	4.73	495	122	0.22	7745	13.74	542	272	0.48	17847	31.66
449	75	0.13	2741	4.86	496	149	0.26	7894	14.00	543	264	0.47	18111	32.13
450	71	0.13	2812	4.99	497	158	0.28	8052	14.28	544	291	0.52	18402	32.64
451	74	0.13	2886	5.12	498	164	0.29	8216	14.57	545	302	0.54	18704	33.18
452	74	0.13	2960	5.25	499	139	0.25	8355	14.82	546	281	0.50	18985	33.68
453	77	0.14	3037	5.39	500	166	0.29	8521	15.12	547	313	0.56	19298	34.23
454	73	0.13	3110	5.52	501	173	0.31	8694	15.42	548	276	0.49	19574	34.72
455	73	0.13	3183	5.65	502	157	0.28	8851	15.70	549	270	0.48	19844	35.20
456	82	0.15	3265	5.79	503	164	0.29	9015	15.99	550	272	0.48	20116	35.68
457	73	0.13	3338	5.92	504	153	0.27	9168	16.26	551	302	0.54	20418	36.22
458	78	0.14	3416	6.06	505	170	0.30	9338	16.56	552	298	0.53	20716	36.75
459	70	0.12	3486	6.18	506	180	0.32	9518	16.88	553	293	0.52	21009	37.27
460	82	0.15	3568	6.33	507	198	0.35	9716	17.23	554	294	0.52	21303	37.79
461	94	0.17	3662	6.50	508	194	0.34	9910	17.58	555	315	0.56	21618	38.35
462	95	0.17	3757	6.66	509	197	0.35	10107	17.93	556	290	0.51	21908	38.86
463	88	0.16	3845	6.82	510	194	0.34	10301	18.27	557	317	0.56	22225	39.42
464	107	0.19	3952	7.01	511	195	0.35	10496	18.62	558	310	0.55	22535	39.97
465	92	0.16	4044	7.17	512	217	0.38	10713	19.00	559	326	0.58	22861	40.55
466	86	0.15	4130	7.33	513	208	0.37	10921	19.37	560	325	0.58	23186	41.13

Table 187. Scale Score Distribution, Writing Grade 10 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
561	290	0.51	23476	41.64	608	283	0.50	37817	67.08	655	174	0.31	48697	86.38
562	310	0.55	23786	42.19	609	279	0.49	38096	67.58	656	149	0.26	48846	86.65
563	339	0.60	24125	42.79	610	260	0.46	38356	68.04	657	179	0.32	49025	86.96
564	292	0.52	24417	43.31	611	267	0.47	38623	68.51	658	157	0.28	49182	87.24
565	314	0.56	24731	43.87	612	293	0.52	38916	69.03	659	160	0.28	49342	87.53
566	305	0.54	25036	44.41	613	288	0.51	39204	69.54	660	155	0.27	49497	87.80
567	330	0.59	25366	45.00	614	274	0.49	39478	70.03	661	153	0.27	49650	88.07
568	299	0.53	25665	45.53	615	303	0.54	39781	70.57	662	160	0.28	49810	88.36
569	300	0.53	25965	46.06	616	292	0.52	40073	71.08	663	153	0.27	49963	88.63
570	348	0.62	26313	46.68	617	280	0.50	40353	71.58	664	158	0.28	50121	88.91
571	310	0.55	26623	47.23	618	254	0.45	40607	72.03	665	136	0.24	50257	89.15
572	317	0.56	26940	47.79	619	253	0.45	40860	72.48	666	136	0.24	50393	89.39
573	296	0.53	27236	48.31	620	256	0.45	41116	72.93	667	141	0.25	50534	89.64
574	315	0.56	27551	48.87	621	210	0.37	41326	73.31	668	130	0.23	50664	89.87
575	320	0.57	27871	49.44	622	252	0.45	41578	73.75	669	145	0.26	50809	90.13
576	316	0.56	28187	50.00	623	251	0.45	41829	74.20	670	143	0.25	50952	90.38
577	289	0.51	28476	50.51	624	250	0.44	42079	74.64	671	139	0.25	51091	90.63
578	311	0.55	28787	51.06	625	231	0.41	42310	75.05	672	107	0.19	51198	90.82
579	327	0.58	29114	51.64	626	261	0.46	42571	75.52	673	136	0.24	51334	91.06
580	317	0.56	29431	52.21	627	256	0.45	42827	75.97	674	114	0.20	51448	91.26
581	315	0.56	29746	52.77	628	245	0.43	43072	76.40	675	124	0.22	51572	91.48
582	318	0.56	30064	53.33	629	244	0.43	43316	76.84	676	123	0.22	51695	91.70
583	311	0.55	30375	53.88	630	255	0.45	43571	77.29	677	116	0.21	51811	91.91
584	313	0.56	30688	54.44	631	221	0.39	43792	77.68	678	130	0.23	51941	92.14
585	325	0.58	31013	55.01	632	266	0.47	44058	78.15	679	116	0.21	52057	92.34
586	328	0.58	31341	55.59	633	256	0.45	44314	78.61	680	119	0.21	52176	92.55
587	304	0.54	31645	56.13	634	212	0.38	44526	78.98	681	113	0.20	52289	92.75
588	331	0.59	31976	56.72	635	219	0.39	44745	79.37	682	94	0.17	52383	92.92
589	336	0.60	32312	57.32	636	222	0.39	44967	79.77	683	96	0.17	52479	93.09
590	279	0.49	32591	57.81	637	234	0.42	45201	80.18	684	99	0.18	52578	93.27
591	290	0.51	32881	58.33	638	244	0.43	45445	80.61	685	103	0.18	52681	93.45
592	319	0.57	33200	58.89	639	217	0.38	45662	81.00	686	90	0.16	52771	93.61
593	264	0.47	33464	59.36	640	205	0.36	45867	81.36	687	89	0.16	52860	93.77
594	299	0.53	33763	59.89	641	203	0.36	46070	81.72	688	87	0.15	52947	93.92
595	298	0.53	34061	60.42	642	211	0.37	46281	82.10	689	90	0.16	53037	94.08
596	262	0.46	34323	60.88	643	201	0.36	46482	82.45	690	87	0.15	53124	94.23
597	309	0.55	34632	61.43	644	210	0.37	46692	82.83	691	86	0.15	53210	94.39
598	309	0.55	34941	61.98	645	202	0.36	46894	83.18	692	67	0.12	53277	94.51
599	299	0.53	35240	62.51	646	191	0.34	47085	83.52	693	81	0.14	53358	94.65
600	300	0.53	35540	63.04	647	204	0.36	47289	83.88	694	71	0.13	53429	94.78
601	315	0.56	35855	63.60	648	176	0.31	47465	84.20	695	70	0.12	53499	94.90
602	272	0.48	36127	64.08	649	199	0.35	47664	84.55	696	78	0.14	53577	95.04
603	316	0.56	36443	64.65	650	157	0.28	47821	84.83	697	64	0.11	53641	95.15
604	276	0.49	36719	65.13	651	162	0.29	47983	85.12	698	73	0.13	53714	95.28
605	287	0.51	37006	65.64	652	189	0.34	48172	85.45	699	62	0.11	53776	95.39
606	275	0.49	37281	66.13	653	170	0.30	48342	85.75	700	58	0.10	53834	95.49
607	253	0.45	37534	66.58	654	181	0.32	48523	86.07	701	57	0.10	53891	95.60

Table 187. Scale Score Distribution, Writing Grade 10 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
702	76	0.13	53967	95.73	749	11	0.02	55605	98.64	796	6	0.01	56108	99.53
703	61	0.11	54028	95.84	750	22	0.04	55627	98.67	797	2	0.00	56110	99.53
704	60	0.11	54088	95.94	751	20	0.04	55647	98.71	798	8	0.01	56118	99.55
705	46	0.08	54134	96.03	752	21	0.04	55668	98.75	799	5	0.01	56123	99.55
706	55	0.10	54189	96.12	753	10	0.02	55678	98.77	800	3	0.01	56126	99.56
707	52	0.09	54241	96.22	754	10	0.02	55688	98.78	801	4	0.01	56130	99.57
708	49	0.09	54290	96.30	755	23	0.04	55711	98.82	802	8	0.01	56138	99.58
709	56	0.10	54346	96.40	756	19	0.03	55730	98.86	803	3	0.01	56141	99.59
710	46	0.08	54392	96.48	757	17	0.03	55747	98.89	805	3	0.01	56144	99.59
711	48	0.09	54440	96.57	758	15	0.03	55762	98.91	806	9	0.02	56153	99.61
712	51	0.09	54491	96.66	759	15	0.03	55777	98.94	807	4	0.01	56157	99.62
713	61	0.11	54552	96.77	760	7	0.01	55784	98.95	808	8	0.01	56165	99.63
714	46	0.08	54598	96.85	761	4	0.01	55788	98.96	809	4	0.01	56169	99.64
715	50	0.09	54648	96.94	762	9	0.02	55797	98.98	810	3	0.01	56172	99.64
716	50	0.09	54698	97.03	763	15	0.03	55812	99.00	811	6	0.01	56178	99.65
717	47	0.08	54745	97.11	764	40	0.07	55852	99.07	813	2	0.00	56180	99.66
718	49	0.09	54794	97.20	765	9	0.02	55861	99.09	814	10	0.02	56190	99.67
719	35	0.06	54829	97.26	766	19	0.03	55880	99.12	815	3	0.01	56193	99.68
720	44	0.08	54873	97.34	767	9	0.02	55889	99.14	816	1	0.00	56194	99.68
721	33	0.06	54906	97.40	768	13	0.02	55902	99.16	817	1	0.00	56195	99.68
722	36	0.06	54942	97.46	769	11	0.02	55913	99.18	818	6	0.01	56201	99.69
723	29	0.05	54971	97.51	770	10	0.02	55923	99.20	819	2	0.00	56203	99.70
724	24	0.04	54995	97.55	771	7	0.01	55930	99.21	823	3	0.01	56206	99.70
725	38	0.07	55033	97.62	772	11	0.02	55941	99.23	824	2	0.00	56208	99.71
726	35	0.06	55068	97.68	773	13	0.02	55954	99.25	826	7	0.01	56215	99.72
727	41	0.07	55109	97.76	774	13	0.02	55967	99.28	827	2	0.00	56217	99.72
728	25	0.04	55134	97.80	775	6	0.01	55973	99.29	829	7	0.01	56224	99.73
729	36	0.06	55170	97.86	776	8	0.01	55981	99.30	830	2	0.00	56226	99.74
730	30	0.05	55200	97.92	777	6	0.01	55987	99.31	832	2	0.00	56228	99.74
731	23	0.04	55223	97.96	778	6	0.01	55993	99.32	835	1	0.00	56229	99.74
732	27	0.05	55250	98.01	779	12	0.02	56005	99.35	836	5	0.01	56234	99.75
733	34	0.06	55284	98.07	780	11	0.02	56016	99.36	837	1	0.00	56235	99.75
734	24	0.04	55308	98.11	781	9	0.02	56025	99.38	839	1	0.00	56236	99.76
735	26	0.05	55334	98.16	782	1	0.00	56026	99.38	840	8	0.01	56244	99.77
736	33	0.06	55367	98.21	783	5	0.01	56031	99.39	841	3	0.01	56247	99.77
737	24	0.04	55391	98.26	784	6	0.01	56037	99.40	843	4	0.01	56251	99.78
738	33	0.06	55424	98.31	785	16	0.03	56053	99.43	848	1	0.00	56252	99.78
739	15	0.03	55439	98.34	786	4	0.01	56057	99.44	849	12	0.02	56264	99.80
740	16	0.03	55455	98.37	787	7	0.01	56064	99.45	851	1	0.00	56265	99.81
741	19	0.03	55474	98.40	788	5	0.01	56069	99.46	854	4	0.01	56269	99.81
742	16	0.03	55490	98.43	789	3	0.01	56072	99.46	856	10	0.02	56279	99.83
743	24	0.04	55514	98.47	790	2	0.00	56074	99.47	862	9	0.02	56288	99.85
744	13	0.02	55527	98.50	791	4	0.01	56078	99.47	867	8	0.01	56296	99.86
745	15	0.03	55542	98.52	792	7	0.01	56085	99.49	868	10	0.02	56306	99.88
746	18	0.03	55560	98.56	793	11	0.02	56096	99.51	872	6	0.01	56312	99.89
747	18	0.03	55578	98.59	794	5	0.01	56101	99.52	891	1	0.00	56313	99.89
748	16	0.03	55594	98.62	795	1	0.00	56102	99.52	902	3	0.01	56316	99.90

Table 187. Scale Score Distribution, Writing Grade 10 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %
909	23	0.04	56339	99.94
950	35	0.06	56374	100.00

Table 188. Scale Score Distribution, Mathematics Grade 10

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
370	660	1.17	660	1.17	417	18	0.03	1170	2.07	464	60	0.11	2728	4.82
371	3	0.01	663	1.17	418	26	0.05	1196	2.11	465	43	0.08	2771	4.90
372	4	0.01	667	1.18	419	28	0.05	1224	2.16	466	47	0.08	2818	4.98
373	8	0.01	675	1.19	420	19	0.03	1243	2.20	467	63	0.11	2881	5.09
374	9	0.02	684	1.21	421	21	0.04	1264	2.23	468	65	0.11	2946	5.21
375	4	0.01	688	1.22	422	18	0.03	1282	2.27	469	57	0.10	3003	5.31
376	4	0.01	692	1.22	423	23	0.04	1305	2.31	470	66	0.12	3069	5.43
377	2	0.00	694	1.23	424	22	0.04	1327	2.35	471	55	0.10	3124	5.52
378	6	0.01	700	1.24	425	16	0.03	1343	2.37	472	69	0.12	3193	5.65
379	6	0.01	706	1.25	426	19	0.03	1362	2.41	473	56	0.10	3249	5.74
380	7	0.01	713	1.26	427	19	0.03	1381	2.44	474	65	0.11	3314	5.86
381	4	0.01	717	1.27	428	23	0.04	1404	2.48	475	69	0.12	3383	5.98
382	14	0.02	731	1.29	429	26	0.05	1430	2.53	476	72	0.13	3455	6.11
383	6	0.01	737	1.30	430	20	0.04	1450	2.56	477	76	0.13	3531	6.24
384	10	0.02	747	1.32	431	23	0.04	1473	2.60	478	61	0.11	3592	6.35
385	6	0.01	753	1.33	432	21	0.04	1494	2.64	479	67	0.12	3659	6.47
386	7	0.01	760	1.34	433	39	0.07	1533	2.71	480	94	0.17	3753	6.64
387	8	0.01	768	1.36	434	29	0.05	1562	2.76	481	78	0.14	3831	6.77
388	11	0.02	779	1.38	435	28	0.05	1590	2.81	482	70	0.12	3901	6.90
389	7	0.01	786	1.39	436	26	0.05	1616	2.86	483	74	0.13	3975	7.03
390	8	0.01	794	1.40	437	35	0.06	1651	2.92	484	81	0.14	4056	7.17
391	8	0.01	802	1.42	438	28	0.05	1679	2.97	485	76	0.13	4132	7.31
392	11	0.02	813	1.44	439	30	0.05	1709	3.02	486	71	0.13	4203	7.43
393	12	0.02	825	1.46	440	34	0.06	1743	3.08	487	75	0.13	4278	7.56
394	13	0.02	838	1.48	441	40	0.07	1783	3.15	488	82	0.14	4360	7.71
395	11	0.02	849	1.50	442	31	0.05	1814	3.21	489	88	0.16	4448	7.86
396	12	0.02	861	1.52	443	20	0.04	1834	3.24	490	91	0.16	4539	8.03
397	8	0.01	869	1.54	444	29	0.05	1863	3.29	491	83	0.15	4622	8.17
398	12	0.02	881	1.56	445	44	0.08	1907	3.37	492	86	0.15	4708	8.32
399	6	0.01	887	1.57	446	32	0.06	1939	3.43	493	88	0.16	4796	8.48
400	14	0.02	901	1.59	447	31	0.05	1970	3.48	494	86	0.15	4882	8.63
401	15	0.03	916	1.62	448	33	0.06	2003	3.54	495	87	0.15	4969	8.79
402	18	0.03	934	1.65	449	47	0.08	2050	3.62	496	109	0.19	5078	8.98
403	14	0.02	948	1.68	450	28	0.05	2078	3.67	497	109	0.19	5187	9.17
404	10	0.02	958	1.69	451	44	0.08	2122	3.75	498	115	0.20	5302	9.37
405	12	0.02	970	1.72	452	41	0.07	2163	3.82	499	101	0.18	5403	9.55
406	19	0.03	989	1.75	453	44	0.08	2207	3.90	500	114	0.20	5517	9.75
407	13	0.02	1002	1.77	454	51	0.09	2258	3.99	501	126	0.22	5643	9.98
408	22	0.04	1024	1.81	455	50	0.09	2308	4.08	502	107	0.19	5750	10.17
409	20	0.04	1044	1.85	456	39	0.07	2347	4.15	503	109	0.19	5859	10.36
410	8	0.01	1052	1.86	457	47	0.08	2394	4.23	504	110	0.19	5969	10.55
411	14	0.02	1066	1.88	458	42	0.07	2436	4.31	505	121	0.21	6090	10.77
412	17	0.03	1083	1.91	459	42	0.07	2478	4.38	506	115	0.20	6205	10.97
413	29	0.05	1112	1.97	460	48	0.08	2526	4.47	507	148	0.26	6353	11.23
414	9	0.02	1121	1.98	461	54	0.10	2580	4.56	508	129	0.23	6482	11.46
415	17	0.03	1138	2.01	462	43	0.08	2623	4.64	509	125	0.22	6607	11.68
416	14	0.02	1152	2.04	463	45	0.08	2668	4.72	510	129	0.23	6736	11.91

Table 188. Scale Score Distribution, Mathematics Grade 10 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
511	124	0.22	6860	12.13	558	229	0.40	15433	27.29	605	349	0.62	30239	53.47
512	139	0.25	6999	12.38	559	239	0.42	15672	27.71	606	332	0.59	30571	54.05
513	134	0.24	7133	12.61	560	238	0.42	15910	28.13	607	339	0.60	30910	54.65
514	144	0.25	7277	12.87	561	244	0.43	16154	28.56	608	346	0.61	31256	55.26
515	136	0.24	7413	13.11	562	266	0.47	16420	29.03	609	337	0.60	31593	55.86
516	120	0.21	7533	13.32	563	260	0.46	16680	29.49	610	362	0.64	31955	56.50
517	129	0.23	7662	13.55	564	260	0.46	16940	29.95	611	386	0.68	32341	57.18
518	135	0.24	7797	13.79	565	270	0.48	17210	30.43	612	362	0.64	32703	57.82
519	141	0.25	7938	14.04	566	297	0.53	17507	30.95	613	365	0.65	33068	58.47
520	146	0.26	8084	14.29	567	264	0.47	17771	31.42	614	348	0.62	33416	59.08
521	152	0.27	8236	14.56	568	267	0.47	18038	31.89	615	391	0.69	33807	59.78
522	161	0.28	8397	14.85	569	286	0.51	18324	32.40	616	395	0.70	34202	60.47
523	149	0.26	8546	15.11	570	289	0.51	18613	32.91	617	349	0.62	34551	61.09
524	133	0.24	8679	15.35	571	293	0.52	18906	33.43	618	349	0.62	34900	61.71
525	132	0.23	8811	15.58	572	294	0.52	19200	33.95	619	375	0.66	35275	62.37
526	167	0.30	8978	15.87	573	313	0.55	19513	34.50	620	339	0.60	35614	62.97
527	139	0.25	9117	16.12	574	301	0.53	19814	35.03	621	353	0.62	35967	63.59
528	164	0.29	9281	16.41	575	318	0.56	20132	35.60	622	344	0.61	36311	64.20
529	173	0.31	9454	16.72	576	304	0.54	20436	36.13	623	352	0.62	36663	64.82
530	175	0.31	9629	17.03	577	290	0.51	20726	36.65	624	357	0.63	37020	65.46
531	176	0.31	9805	17.34	578	301	0.53	21027	37.18	625	315	0.56	37335	66.01
532	178	0.31	9983	17.65	579	325	0.57	21352	37.75	626	339	0.60	37674	66.61
533	184	0.33	10167	17.98	580	300	0.53	21652	38.28	627	337	0.60	38011	67.21
534	159	0.28	10326	18.26	581	337	0.60	21989	38.88	628	321	0.57	38332	67.78
535	184	0.33	10510	18.58	582	315	0.56	22304	39.44	629	369	0.65	38701	68.43
536	203	0.36	10713	18.94	583	310	0.55	22614	39.98	630	319	0.56	39020	68.99
537	194	0.34	10907	19.28	584	303	0.54	22917	40.52	631	306	0.54	39326	69.53
538	181	0.32	11088	19.61	585	338	0.60	23255	41.12	632	317	0.56	39643	70.09
539	204	0.36	11292	19.97	586	333	0.59	23588	41.71	633	313	0.55	39956	70.65
540	208	0.37	11500	20.33	587	338	0.60	23926	42.30	634	320	0.57	40276	71.21
541	171	0.30	11671	20.64	588	369	0.65	24295	42.96	635	305	0.54	40581	71.75
542	208	0.37	11879	21.00	589	348	0.62	24643	43.57	636	365	0.65	40946	72.40
543	217	0.38	12096	21.39	590	359	0.63	25002	44.21	637	312	0.55	41258	72.95
544	189	0.33	12285	21.72	591	353	0.62	25355	44.83	638	338	0.60	41596	73.55
545	207	0.37	12492	22.09	592	340	0.60	25695	45.43	639	331	0.59	41927	74.13
546	218	0.39	12710	22.47	593	353	0.62	26048	46.06	640	321	0.57	42248	74.70
547	204	0.36	12914	22.83	594	330	0.58	26378	46.64	641	304	0.54	42552	75.24
548	210	0.37	13124	23.20	595	340	0.60	26718	47.24	642	328	0.58	42880	75.82
549	233	0.41	13357	23.62	596	351	0.62	27069	47.86	643	270	0.48	43150	76.29
550	230	0.41	13587	24.02	597	349	0.62	27418	48.48	644	287	0.51	43437	76.80
551	226	0.40	13813	24.42	598	354	0.63	27772	49.10	645	299	0.53	43736	77.33
552	232	0.41	14045	24.83	599	350	0.62	28122	49.72	646	250	0.44	43986	77.77
553	226	0.40	14271	25.23	600	354	0.63	28476	50.35	647	285	0.50	44271	78.28
554	233	0.41	14504	25.64	601	336	0.59	28812	50.94	648	280	0.50	44551	78.77
555	232	0.41	14736	26.06	602	353	0.62	29165	51.57	649	251	0.44	44802	79.22
556	244	0.43	14980	26.49	603	373	0.66	29538	52.23	650	287	0.51	45089	79.72
557	224	0.40	15204	26.88	604	352	0.62	29890	52.85	651	242	0.43	45331	80.15

Table 188. Scale Score Distribution, Mathematics Grade 10 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
652	263	0.47	45594	80.62	699	101	0.18	53866	95.24	746	13	0.02	56200	99.37
653	248	0.44	45842	81.05	700	103	0.18	53969	95.42	747	27	0.05	56227	99.42
654	262	0.46	46104	81.52	701	95	0.17	54064	95.59	748	16	0.03	56243	99.44
655	223	0.39	46327	81.91	702	94	0.17	54158	95.76	749	13	0.02	56256	99.47
656	260	0.46	46587	82.37	703	95	0.17	54253	95.93	750	17	0.03	56273	99.50
657	240	0.42	46827	82.80	704	79	0.14	54332	96.07	751	11	0.02	56284	99.52
658	229	0.40	47056	83.20	705	81	0.14	54413	96.21	752	11	0.02	56295	99.54
659	220	0.39	47276	83.59	706	89	0.16	54502	96.37	753	9	0.02	56304	99.55
660	212	0.37	47488	83.96	707	76	0.13	54578	96.50	754	10	0.02	56314	99.57
661	219	0.39	47707	84.35	708	77	0.14	54655	96.64	755	13	0.02	56327	99.59
662	215	0.38	47922	84.73	709	85	0.15	54740	96.79	756	14	0.02	56341	99.62
663	227	0.40	48149	85.13	710	72	0.13	54812	96.91	757	7	0.01	56348	99.63
664	225	0.40	48374	85.53	711	71	0.13	54883	97.04	758	8	0.01	56356	99.64
665	232	0.41	48606	85.94	712	59	0.10	54942	97.14	759	12	0.02	56368	99.67
666	233	0.41	48839	86.35	713	67	0.12	55009	97.26	760	11	0.02	56379	99.69
667	187	0.33	49026	86.68	714	65	0.11	55074	97.38	761	9	0.02	56388	99.70
668	199	0.35	49225	87.04	715	70	0.12	55144	97.50	762	6	0.01	56394	99.71
669	226	0.40	49451	87.44	716	49	0.09	55193	97.59	763	7	0.01	56401	99.72
670	199	0.35	49650	87.79	717	54	0.10	55247	97.68	764	3	0.01	56404	99.73
671	195	0.34	49845	88.13	718	75	0.13	55322	97.82	765	9	0.02	56413	99.75
672	175	0.31	50020	88.44	719	54	0.10	55376	97.91	766	10	0.02	56423	99.76
673	179	0.32	50199	88.76	720	51	0.09	55427	98.00	767	6	0.01	56429	99.77
674	170	0.30	50369	89.06	721	54	0.10	55481	98.10	768	4	0.01	56433	99.78
675	182	0.32	50551	89.38	722	44	0.08	55525	98.18	769	6	0.01	56439	99.79
676	175	0.31	50726	89.69	723	36	0.06	55561	98.24	770	7	0.01	56446	99.80
677	180	0.32	50906	90.01	724	52	0.09	55613	98.33	771	3	0.01	56449	99.81
678	156	0.28	51062	90.28	725	44	0.08	55657	98.41	772	9	0.02	56458	99.82
679	165	0.29	51227	90.58	726	36	0.06	55693	98.47	773	2	0.00	56460	99.83
680	189	0.33	51416	90.91	727	37	0.07	55730	98.54	774	3	0.01	56463	99.83
681	166	0.29	51582	91.20	728	40	0.07	55770	98.61	775	3	0.01	56466	99.84
682	164	0.29	51746	91.49	729	41	0.07	55811	98.68	776	3	0.01	56469	99.84
683	152	0.27	51898	91.76	730	30	0.05	55841	98.73	777	1	0.00	56470	99.85
684	155	0.27	52053	92.04	731	28	0.05	55869	98.78	778	4	0.01	56474	99.85
685	157	0.28	52210	92.31	732	22	0.04	55891	98.82	779	1	0.00	56475	99.86
686	136	0.24	52346	92.55	733	23	0.04	55914	98.86	780	2	0.00	56477	99.86
687	120	0.21	52466	92.77	734	29	0.05	55943	98.91	781	4	0.01	56481	99.87
688	110	0.19	52576	92.96	735	27	0.05	55970	98.96	782	5	0.01	56486	99.87
689	145	0.26	52721	93.22	736	33	0.06	56003	99.02	783	2	0.00	56488	99.88
690	110	0.19	52831	93.41	737	20	0.04	56023	99.06	785	6	0.01	56494	99.89
691	134	0.24	52965	93.65	738	27	0.05	56050	99.10	786	7	0.01	56501	99.90
692	122	0.22	53087	93.86	739	21	0.04	56071	99.14	787	1	0.00	56502	99.90
693	116	0.21	53203	94.07	740	23	0.04	56094	99.18	788	4	0.01	56506	99.91
694	118	0.21	53321	94.28	741	17	0.03	56111	99.21	789	2	0.00	56508	99.91
695	106	0.19	53427	94.47	742	19	0.03	56130	99.25	790	4	0.01	56512	99.92
696	126	0.22	53553	94.69	743	13	0.02	56143	99.27	791	1	0.00	56513	99.92
697	108	0.19	53661	94.88	744	29	0.05	56172	99.32	792	1	0.00	56514	99.92
698	104	0.18	53765	95.06	745	15	0.03	56187	99.35	793	1	0.00	56515	99.93

Table 188. Scale Score Distribution, Mathematics Grade 10 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %
794	3	0.01	56518	99.93
795	3	0.01	56521	99.94
796	3	0.01	56524	99.94
799	3	0.01	56527	99.95
800	2	0.00	56529	99.95
802	1	0.00	56530	99.95
805	4	0.01	56534	99.96
806	2	0.00	56536	99.96
807	1	0.00	56537	99.96
808	1	0.00	56538	99.97
809	5	0.01	56543	99.98
810	1	0.00	56544	99.98
811	2	0.00	56546	99.98
814	1	0.00	56547	99.98
815	2	0.00	56549	99.99
817	1	0.00	56550	99.99
818	2	0.00	56552	99.99
820	1	0.00	56553	99.99
831	1	0.00	56554	99.99
842	1	0.00	56555	100.00
857	1	0.00	56556	100.00
870	1	0.00	56557	100.00

Table 189. Scale Score Distribution, Science Grade 10

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
300	643	1.14	643	1.14	347	26	0.05	1378	2.44	394	70	0.12	3496	6.19
301	9	0.02	652	1.15	348	32	0.06	1410	2.49	395	61	0.11	3557	6.29
302	5	0.01	657	1.16	349	27	0.05	1437	2.54	396	73	0.13	3630	6.42
303	7	0.01	664	1.17	350	25	0.04	1462	2.59	397	72	0.13	3702	6.55
304	11	0.02	675	1.19	351	24	0.04	1486	2.63	398	84	0.15	3786	6.70
305	10	0.02	685	1.21	352	25	0.04	1511	2.67	399	78	0.14	3864	6.84
306	12	0.02	697	1.23	353	29	0.05	1540	2.72	400	83	0.15	3947	6.98
307	14	0.02	711	1.26	354	29	0.05	1569	2.78	401	72	0.13	4019	7.11
308	8	0.01	719	1.27	355	31	0.05	1600	2.83	402	79	0.14	4098	7.25
309	9	0.02	728	1.29	356	31	0.05	1631	2.89	403	84	0.15	4182	7.40
310	11	0.02	739	1.31	357	34	0.06	1665	2.95	404	99	0.18	4281	7.57
311	8	0.01	747	1.32	358	30	0.05	1695	3.00	405	81	0.14	4362	7.72
312	11	0.02	758	1.34	359	33	0.06	1728	3.06	406	84	0.15	4446	7.87
313	8	0.01	766	1.36	360	22	0.04	1750	3.10	407	92	0.16	4538	8.03
314	11	0.02	777	1.37	361	41	0.07	1791	3.17	408	93	0.16	4631	8.19
315	12	0.02	789	1.40	362	30	0.05	1821	3.22	409	114	0.20	4745	8.40
316	12	0.02	801	1.42	363	38	0.07	1859	3.29	410	84	0.15	4829	8.54
317	7	0.01	808	1.43	364	34	0.06	1893	3.35	411	120	0.21	4949	8.76
318	11	0.02	819	1.45	365	44	0.08	1937	3.43	412	112	0.20	5061	8.95
319	12	0.02	831	1.47	366	34	0.06	1971	3.49	413	107	0.19	5168	9.14
320	16	0.03	847	1.50	367	43	0.08	2014	3.56	414	123	0.22	5291	9.36
321	9	0.02	856	1.51	368	43	0.08	2057	3.64	415	104	0.18	5395	9.55
322	14	0.02	870	1.54	369	44	0.08	2101	3.72	416	110	0.19	5505	9.74
323	11	0.02	881	1.56	370	44	0.08	2145	3.80	417	115	0.20	5620	9.94
324	13	0.02	894	1.58	371	43	0.08	2188	3.87	418	114	0.20	5734	10.15
325	14	0.02	908	1.61	372	39	0.07	2227	3.94	419	142	0.25	5876	10.40
326	14	0.02	922	1.63	373	46	0.08	2273	4.02	420	137	0.24	6013	10.64
327	16	0.03	938	1.66	374	54	0.10	2327	4.12	421	126	0.22	6139	10.86
328	19	0.03	957	1.69	375	44	0.08	2371	4.20	422	119	0.21	6258	11.07
329	18	0.03	975	1.73	376	62	0.11	2433	4.30	423	128	0.23	6386	11.30
330	13	0.02	988	1.75	377	59	0.10	2492	4.41	424	153	0.27	6539	11.57
331	16	0.03	1004	1.78	378	56	0.10	2548	4.51	425	134	0.24	6673	11.81
332	21	0.04	1025	1.81	379	50	0.09	2598	4.60	426	117	0.21	6790	12.01
333	23	0.04	1048	1.85	380	43	0.08	2641	4.67	427	129	0.23	6919	12.24
334	19	0.03	1067	1.89	381	56	0.10	2697	4.77	428	150	0.27	7069	12.51
335	18	0.03	1085	1.92	382	55	0.10	2752	4.87	429	146	0.26	7215	12.77
336	18	0.03	1103	1.95	383	52	0.09	2804	4.96	430	127	0.22	7342	12.99
337	25	0.04	1128	2.00	384	55	0.10	2859	5.06	431	144	0.25	7486	13.25
338	16	0.03	1144	2.02	385	54	0.10	2913	5.15	432	151	0.27	7637	13.51
339	23	0.04	1167	2.06	386	70	0.12	2983	5.28	433	149	0.26	7786	13.78
340	27	0.05	1194	2.11	387	55	0.10	3038	5.38	434	156	0.28	7942	14.05
341	29	0.05	1223	2.16	388	68	0.12	3106	5.50	435	159	0.28	8101	14.33
342	20	0.04	1243	2.20	389	57	0.10	3163	5.60	436	157	0.28	8258	14.61
343	24	0.04	1267	2.24	390	71	0.13	3234	5.72	437	160	0.28	8418	14.89
344	28	0.05	1295	2.29	391	59	0.10	3293	5.83	438	151	0.27	8569	15.16
345	26	0.05	1321	2.34	392	68	0.12	3361	5.95	439	158	0.28	8727	15.44
346	31	0.05	1352	2.39	393	65	0.12	3426	6.06	440	174	0.31	8901	15.75

Table 189. Scale Score Distribution, Science Grade 10 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
441	170	0.30	9071	16.05	488	339	0.60	21208	37.52	535	385	0.68	39586	70.04
442	156	0.28	9227	16.33	489	338	0.60	21546	38.12	536	401	0.71	39987	70.75
443	184	0.33	9411	16.65	490	384	0.68	21930	38.80	537	370	0.65	40357	71.41
444	210	0.37	9621	17.02	491	325	0.58	22255	39.38	538	404	0.71	40761	72.12
445	226	0.40	9847	17.42	492	336	0.59	22591	39.97	539	377	0.67	41138	72.79
446	197	0.35	10044	17.77	493	374	0.66	22965	40.63	540	353	0.62	41491	73.41
447	191	0.34	10235	18.11	494	379	0.67	23344	41.30	541	376	0.67	41867	74.08
448	234	0.41	10469	18.52	495	371	0.66	23715	41.96	542	368	0.65	42235	74.73
449	188	0.33	10657	18.86	496	366	0.65	24081	42.61	543	387	0.68	42622	75.41
450	201	0.36	10858	19.21	497	353	0.62	24434	43.23	544	354	0.63	42976	76.04
451	215	0.38	11073	19.59	498	411	0.73	24845	43.96	545	321	0.57	43297	76.61
452	204	0.36	11277	19.95	499	393	0.70	25238	44.66	546	399	0.71	43696	77.31
453	214	0.38	11491	20.33	500	382	0.68	25620	45.33	547	348	0.62	44044	77.93
454	232	0.41	11723	20.74	501	399	0.71	26019	46.04	548	311	0.55	44355	78.48
455	210	0.37	11933	21.11	502	377	0.67	26396	46.70	549	331	0.59	44686	79.07
456	219	0.39	12152	21.50	503	403	0.71	26799	47.42	550	323	0.57	45009	79.64
457	236	0.42	12388	21.92	504	391	0.69	27190	48.11	551	329	0.58	45338	80.22
458	244	0.43	12632	22.35	505	389	0.69	27579	48.80	552	317	0.56	45655	80.78
459	232	0.41	12864	22.76	506	423	0.75	28002	49.55	553	320	0.57	45975	81.35
460	234	0.41	13098	23.18	507	389	0.69	28391	50.23	554	305	0.54	46280	81.89
461	243	0.43	13341	23.61	508	392	0.69	28783	50.93	555	296	0.52	46576	82.41
462	247	0.44	13588	24.04	509	408	0.72	29191	51.65	556	301	0.53	46877	82.94
463	287	0.51	13875	24.55	510	381	0.67	29572	52.32	557	331	0.59	47208	83.53
464	233	0.41	14108	24.96	511	390	0.69	29962	53.01	558	279	0.49	47487	84.02
465	235	0.42	14343	25.38	512	386	0.68	30348	53.70	559	291	0.51	47778	84.54
466	287	0.51	14630	25.89	513	418	0.74	30766	54.44	560	281	0.50	48059	85.03
467	270	0.48	14900	26.36	514	398	0.70	31164	55.14	561	312	0.55	48371	85.59
468	263	0.47	15163	26.83	515	411	0.73	31575	55.87	562	247	0.44	48618	86.02
469	251	0.44	15414	27.27	516	423	0.75	31998	56.62	563	258	0.46	48876	86.48
470	300	0.53	15714	27.80	517	425	0.75	32423	57.37	564	277	0.49	49153	86.97
471	270	0.48	15984	28.28	518	401	0.71	32824	58.08	565	267	0.47	49420	87.44
472	290	0.51	16274	28.79	519	395	0.70	33219	58.78	566	273	0.48	49693	87.93
473	305	0.54	16579	29.33	520	402	0.71	33621	59.49	567	263	0.47	49956	88.39
474	294	0.52	16873	29.85	521	422	0.75	34043	60.23	568	254	0.45	50210	88.84
475	285	0.50	17158	30.36	522	418	0.74	34461	60.97	569	260	0.46	50470	89.30
476	283	0.50	17441	30.86	523	377	0.67	34838	61.64	570	223	0.39	50693	89.70
477	320	0.57	17761	31.43	524	378	0.67	35216	62.31	571	207	0.37	50900	90.06
478	312	0.55	18073	31.98	525	427	0.76	35643	63.07	572	209	0.37	51109	90.43
479	318	0.56	18391	32.54	526	422	0.75	36065	63.81	573	211	0.37	51320	90.80
480	313	0.55	18704	33.09	527	408	0.72	36473	64.53	574	188	0.33	51508	91.14
481	271	0.48	18975	33.57	528	396	0.70	36869	65.24	575	197	0.35	51705	91.49
482	308	0.54	19283	34.12	529	377	0.67	37246	65.90	576	207	0.37	51912	91.85
483	311	0.55	19594	34.67	530	419	0.74	37665	66.64	577	177	0.31	52089	92.17
484	313	0.55	19907	35.22	531	382	0.68	38047	67.32	578	180	0.32	52269	92.48
485	331	0.59	20238	35.81	532	382	0.68	38429	68.00	579	179	0.32	52448	92.80
486	335	0.59	20573	36.40	533	360	0.64	38789	68.63	580	183	0.32	52631	93.12
487	296	0.52	20869	36.93	534	412	0.73	39201	69.36	581	196	0.35	52827	93.47

Table 189. Scale Score Distribution, Science Grade 10 (cont'd)

(SS = Scale Score, Freq. = Frequency, Cum. = Cumulative)

SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %	SS	Freq	%	Cum Freq	Cum %
582	169	0.30	52996	93.77	629	22	0.04	56269	99.56	692	1	0.00	56517	100.00
583	149	0.26	53145	94.03	630	13	0.02	56282	99.58					
584	159	0.28	53304	94.31	631	10	0.02	56292	99.60					
585	144	0.25	53448	94.57	632	4	0.01	56296	99.61					
586	132	0.23	53580	94.80	633	15	0.03	56311	99.64					
587	130	0.23	53710	95.03	634	17	0.03	56328	99.67					
588	123	0.22	53833	95.25	635	16	0.03	56344	99.69					
589	137	0.24	53970	95.49	636	14	0.02	56358	99.72					
590	99	0.18	54069	95.67	637	11	0.02	56369	99.74					
591	101	0.18	54170	95.85	638	12	0.02	56381	99.76					
592	113	0.20	54283	96.05	639	6	0.01	56387	99.77					
593	96	0.17	54379	96.22	640	8	0.01	56395	99.78					
594	125	0.22	54504	96.44	641	9	0.02	56404	99.80					
595	105	0.19	54609	96.62	642	8	0.01	56412	99.81					
596	103	0.18	54712	96.81	643	8	0.01	56420	99.83					
597	97	0.17	54809	96.98	644	13	0.02	56433	99.85					
598	87	0.15	54896	97.13	645	7	0.01	56440	99.86					
599	88	0.16	54984	97.29	646	5	0.01	56445	99.87					
600	92	0.16	55076	97.45	647	6	0.01	56451	99.88					
601	75	0.13	55151	97.58	648	12	0.02	56463	99.90					
602	67	0.12	55218	97.70	649	1	0.00	56464	99.91					
603	78	0.14	55296	97.84	650	4	0.01	56468	99.91					
604	69	0.12	55365	97.96	651	2	0.00	56470	99.92					
605	60	0.11	55425	98.07	652	2	0.00	56472	99.92					
606	53	0.09	55478	98.16	653	5	0.01	56477	99.93					
607	71	0.13	55549	98.29	654	2	0.00	56479	99.93					
608	53	0.09	55602	98.38	655	1	0.00	56480	99.93					
609	37	0.07	55639	98.45	657	4	0.01	56484	99.94					
610	60	0.11	55699	98.55	658	1	0.00	56485	99.94					
611	34	0.06	55733	98.61	659	1	0.00	56486	99.95					
612	45	0.08	55778	98.69	660	3	0.01	56489	99.95					
613	47	0.08	55825	98.78	661	4	0.01	56493	99.96					
614	37	0.07	55862	98.84	662	2	0.00	56495	99.96					
615	30	0.05	55892	98.89	663	2	0.00	56497	99.96					
616	43	0.08	55935	98.97	664	2	0.00	56499	99.97					
617	35	0.06	55970	99.03	665	3	0.01	56502	99.97					
618	26	0.05	55996	99.08	666	1	0.00	56503	99.98					
619	26	0.05	56022	99.12	667	1	0.00	56504	99.98					
620	25	0.04	56047	99.17	668	3	0.01	56507	99.98					
621	30	0.05	56077	99.22	671	1	0.00	56508	99.98					
622	25	0.04	56102	99.27	673	1	0.00	56509	99.99					
623	36	0.06	56138	99.33	674	1	0.00	56510	99.99					
624	28	0.05	56166	99.38	675	2	0.00	56512	99.99					
625	14	0.02	56180	99.40	680	1	0.00	56513	99.99					
626	24	0.04	56204	99.45	681	1	0.00	56514	99.99					
627	22	0.04	56226	99.49	683	1	0.00	56515	100.00					
628	21	0.04	56247	99.52	691	1	0.00	56516	100.00					

Table 190. Scale Score Correlations by Content Standard and Subcontent Area, Reading Grade 3

Name	CS 1	SA 1/4	SA 2	SA 3	Total
Mean	562.9	566.3	555.8	593.5	562.9
SD	74.54	87.98	101.15	127.89	74.54
N	63109	63109	63109	63109	63109
CS 1		0.889	0.853	0.749	1.000
SA 1/4			0.685	0.580	0.889
SA 2				0.586	0.853
SA 3					0.749

Table 191. Scale Score Correlations by Content Standard and Subcontent Area, Reading Grade 3 (Spanish)

Name	CS 1	SA 1/4	SA 2	SA 3	Total
Mean	518.3	519.9	518.2	518.1	518.3
SD	50.10	60.29	64.71	66.21	50.10
N	1189	1189	1189	1189	1189
CS 1		0.921	0.807	0.769	1.000
SA 1/4			0.647	0.633	0.921
SA 2				0.601	0.807
SA 3					0.769

Table 192. Scale Score Correlations by Content Standard and Subcontent Area, Reading Grade 4

Name	CS 1	CS 4	CS 5	CS 6	SA 1/4	SA 2	SA 3	Total
Mean	587.7	582.8	589.9	589.3	587.5	582.2	624.0	586.6
SD	69.15	95.44	102.66	89.45	72.32	86.82	139.95	63.38
N	62918	62918	62918	62918	62918	62918	62918	62918
CS 1		0.742	0.678	0.717	0.849	0.850	0.707	0.936
CS 4			0.596	0.650	0.778	0.830	0.501	0.825
CS 5				0.585	0.645	0.633	0.523	0.767
CS 6					0.851	0.696	0.506	0.812
SA 1/4						0.766	0.551	0.915
SA 2							0.532	0.876
SA 3								0.666

Table 193. Scale Score Correlations by Content Standard and Subcontent Area, Reading Grade 4 (Spanish)

Name	CS 1	CS 4	CS 5	CS 6	SA 1/4	SA 2	SA 3	Total
Mean	514.5	505.5	511.7	509.1	510.7	505.7	525.3	515.3
SD	60.37	67.49	68.76	59.14	54.61	67.43	95.60	46.72
N	91	91	91	91	91	91	91	91
CS 1		0.687	0.722	0.630	0.794	0.826	0.699	0.916
CS 4			0.576	0.697	0.886	0.596	0.558	0.799
CS 5				0.629	0.665	0.728	0.606	0.844
CS 6					0.847	0.617	0.593	0.800
SA 1/4						0.649	0.606	0.888
SA 2							0.609	0.837
SA 3								0.770

Table 194. Scale Score Correlations by Content Standard and Subcontent Area, Reading Grade 5

Name	CS 1	CS 4	CS 5	CS 6	SA 1/4	SA 2	SA 3	Total
Mean	611.7	607.7	605.2	611.2	611.0	605.8	659.1	610.7
SD	77.05	97.25	101.67	83.40	77.89	92.22	160.51	69.78
N	62327	62327	62327	62327	62327	62327	62327	62327
CS 1		0.747	0.705	0.777	0.844	0.839	0.715	0.919
CS 4			0.656	0.729	0.819	0.779	0.553	0.845
CS 5				0.667	0.690	0.678	0.534	0.795
CS 6					0.916	0.756	0.575	0.897
SA 1/4						0.752	0.596	0.934
SA 2							0.556	0.864
SA 3								0.680

Table 195. Scale Score Correlations by Content Standard and Subcontent Area, Reading Grade 6

Name	CS 1	CS 4	CS 5	CS 6	SA 1/4	SA 2	SA 3	Total
Mean	630.0	631.2	634.5	625.2	628.7	624.8	677.5	628.9
SD	73.76	82.37	88.59	87.66	70.21	93.71	157.44	63.81
N	61782	61782	61782	61782	61782	61782	61782	61782
CS 1		0.736	0.693	0.738	0.860	0.760	0.719	0.903
CS 4			0.656	0.729	0.840	0.828	0.545	0.868
CS 5				0.653	0.707	0.646	0.529	0.813
CS 6					0.886	0.722	0.549	0.862
SA 1/4						0.748	0.594	0.942
SA 2							0.538	0.838
SA 3								0.681

Table 196. Scale Score Correlations by Content Standard and Subcontent Area, Reading Grade 7

Name	CS 1	CS 4	CS 5	CS 6	SA 1	SA 2	SA 3	SA 4	Total
Mean	644.1	640.5	647.5	639.5	642.8	640.9	709.8	639.7	640.6
SD	77.96	82.53	90.30	82.85	83.56	81.78	173.81	88.59	65.67
N	60565	60565	60565	60565	60565	60565	60565	60565	60565
CS 1		0.759	0.704	0.730	0.798	0.854	0.700	0.741	0.917
CS 4			0.679	0.710	0.789	0.864	0.555	0.734	0.881
CS 5				0.659	0.668	0.686	0.511	0.653	0.821
CS 6					0.785	0.708	0.554	0.862	0.856
SA 1						0.713	0.561	0.684	0.871
SA 2							0.555	0.701	0.889
SA 3								0.522	0.672
SA 4									0.843

Table 197. Scale Score Correlations by Content Standard and Subcontent Area, Reading Grade 8

Name	CS 1	CS 4	CS 5	CS 6	SA 1	SA 2	SA 3	SA 4	Total
Mean	653.7	646.7	652.9	650.3	653.2	650.8	685.2	638.6	650.7
SD	69.50	80.57	85.45	72.43	78.26	72.70	137.53	104.18	60.32
N	59478	59478	59478	59478	59478	59478	59478	59478	59478
CS 1		0.753	0.701	0.759	0.772	0.831	0.766	0.675	0.922
CS 4			0.683	0.725	0.765	0.830	0.561	0.679	0.870
CS 5				0.672	0.655	0.678	0.529	0.589	0.825
CS 6					0.819	0.727	0.579	0.771	0.880
SA 1						0.693	0.567	0.596	0.853
SA 2							0.526	0.630	0.873
SA 3								0.503	0.699
SA 4									0.766

Table 198. Scale Score Correlations by Content Standard and Subcontent Area, Reading Grade 9

Name	CS 1	CS 4	CS 5	CS 6	SA 1	SA 2	SA 3	SA 4	Total
Mean	662.2	659.6	668.1	655.4	658.5	661.3	684.6	653.6	660.3
SD	58.32	68.83	77.11	66.21	60.76	61.66	117.60	92.64	50.17
N	59136	59136	59136	59136	59136	59136	59136	59136	59136
CS 1		0.737	0.670	0.715	0.786	0.875	0.707	0.616	0.913
CS 4			0.616	0.698	0.789	0.802	0.512	0.663	0.854
CS 5				0.598	0.628	0.626	0.531	0.522	0.784
CS 6					0.881	0.702	0.503	0.671	0.840
SA 1						0.742	0.528	0.593	0.887
SA 2							0.504	0.571	0.876
SA 3								0.454	0.661
SA 4									0.711

Table 199. Scale Score Correlations by Content Standard and Subcontent Area, Reading Grade 10

Name	CS 1	CS 4	CS 5	CS 6	SA 1	SA 2	SA 3	SA 4	Total
Mean	681.0	685.4	685.5	679.9	681.3	681.9	699.5	677.4	681.7
SD	63.88	70.57	74.65	64.91	63.54	66.89	104.71	89.68	53.48
N	56306	56306	56306	56306	56306	56306	56306	56306	56306
CS 1		0.710	0.713	0.770	0.802	0.859	0.693	0.674	0.918
CS 4			0.644	0.671	0.784	0.712	0.550	0.660	0.823
CS 5				0.640	0.659	0.656	0.567	0.591	0.814
CS 6					0.881	0.822	0.498	0.656	0.881
SA 1						0.761	0.533	0.613	0.897
SA 2							0.517	0.601	0.881
SA 3								0.479	0.664
SA 4									0.734

Table 200. Scale Score Correlations by Content Standard and Subcontent Area, Writing Grade 3

Name	CS 2	CS 3	SA 5	SA 7	SA 8	Total
Mean	467.8	475.6	470.9	490.8	485.0	466.7
SD	57.16	70.04	62.17	96.84	98.89	49.98
N	63109	63109	63109	63109	63109	63109
CS 2		0.658	0.923	0.591	0.562	0.912
CS 3			0.624	0.829	0.789	0.858
SA 5				0.542	0.533	0.859
SA 7					0.522	0.770
SA 8						0.728

Table 201. Scale Score Correlations by Content Standard and Subcontent Area, Writing Grade 3 (Spanish)

Name	CS 2	CS 3	SA 5	SA 7	SA 8	Total
Mean	520.9	506.6	535.4	510.3	515.4	511.4
SD	80.45	78.95	102.73	90.97	117.59	72.09
N	1199	1199	1199	1199	1199	1199
CS 2		0.765	0.899	0.675	0.571	0.937
CS 3			0.672	0.908	0.802	0.932
SA 5				0.534	0.516	0.835
SA 7					0.569	0.836
SA 8						0.734

Table 202. Scale Score Correlations by Content Standard and Subcontent Area, Writing Grade 4

Name	CS 2	CS 3	SA 5	SA 6	SA 7	SA 8	Total
Mean	483.7	489.0	484.8	501.4	502.6	489.8	483.5
SD	54.60	64.50	63.35	97.02	92.01	98.21	50.29
N	62888	62888	62888	62888	62888	62888	62888
CS 2		0.711	0.881	0.775	0.611	0.606	0.935
CS 3			0.636	0.495	0.811	0.824	0.882
SA 5				0.515	0.546	0.553	0.827
SA 6					0.403	0.423	0.698
SA 7						0.528	0.755
SA 8							0.756

Table 203. Scale Score Correlations by Content Standard and Subcontent Area, Writing Grade 4 (Spanish)

Name	CS 2	CS 3	SA 5	SA 6	SA 7	SA 8	Total
Mean	490.1	500.1	488.6	468.7	502.3	480.2	496.7
SD	56.66	47.58	72.70	82.76	56.53	85.23	46.26
N	91	91	91	91	91	91	91
CS 2		0.705	0.901	0.759	0.574	0.568	0.899
CS 3			0.568	0.588	0.888	0.765	0.931
SA 5				0.526	0.508	0.482	0.778
SA 6					0.415	0.449	0.717
SA 7						0.523	0.796
SA 8							0.735

Table 204. Scale Score Correlations by Content Standard and Subcontent Area, Writing Grade 5

Name	CS 2	CS 3	SA 5	SA 6	SA 7	SA 8	Total
Mean	510.0	516.1	511.8	534.4	520.2	523.9	508.8
SD	63.88	77.55	72.80	121.08	89.44	104.71	58.16
N	62536	62536	62536	62536	62536	62536	62536
CS 2		0.701	0.894	0.736	0.688	0.640	0.930
CS 3			0.635	0.454	0.823	0.836	0.878
SA 5				0.503	0.600	0.565	0.835
SA 6					0.407	0.405	0.645
SA 7						0.600	0.818
SA 8							0.785

Table 205. Scale Score Correlations by Content Standard and Subcontent Area, Writing Grade 6

Name	CS 2	CS 3	SA 5	SA 6	SA 7	SA 8	Total
Mean	523.0	523.5	523.9	597.0	522.9	534.3	521.4
SD	69.30	69.40	75.60	175.66	81.33	97.54	61.85
N	61742	61742	61742	61742	61742	61742	61742
CS 2		0.759	0.920	0.691	0.727	0.630	0.923
CS 3			0.710	0.480	0.915	0.742	0.938
SA 5				0.491	0.667	0.563	0.857
SA 6					0.435	0.378	0.612
SA 7						0.603	0.883
SA 8							0.736

Table 206. Scale Score Correlations by Content Standard and Subcontent Area, Writing Grade 7

Name	CS 2	CS 3	SA 5	SA 6	SA 7	SA 8	Total
Mean	560.2	564.1	561.7	574.6	582.4	566.4	558.5
SD	78.18	84.44	85.25	123.65	124.28	105.76	70.32
N	60557	60557	60557	60557	60557	60557	60557
CS 2		0.719	0.921	0.765	0.637	0.610	0.929
CS 3			0.667	0.497	0.852	0.833	0.903
SA 5				0.550	0.582	0.565	0.857
SA 6					0.420	0.420	0.680
SA 7						0.581	0.795
SA 8							0.762

Table 207. Scale Score Correlations by Content Standard and Subcontent Area, Writing Grade 8

Name	CS 2	CS 3	SA 5	SA 6	SA 7	SA 8	Total
Mean	564.9	573.2	566.9	589.3	577.6	587.0	564.4
SD	77.33	93.13	90.39	142.67	109.21	130.45	70.82
N	59307	59307	59307	59307	59307	59307	59307
CS 2		0.704	0.876	0.725	0.689	0.595	0.935
CS 3			0.603	0.450	0.847	0.812	0.872
SA 5				0.512	0.570	0.512	0.809
SA 6					0.402	0.393	0.645
SA 7						0.578	0.820
SA 8							0.739

Table 208. Scale Score Correlations by Content Standard and Subcontent Area, Writing Grade 9

Name	CS 2	CS 3	SA 5	SA 6	SA 7	SA 8	Total
Mean	565.7	574.3	565.9	592.5	582.7	588.2	565.3
SD	82.14	97.26	91.12	141.71	128.37	136.80	75.40
N	59043	59043	59043	59043	59043	59043	59043
CS 2		0.716	0.910	0.765	0.659	0.581	0.933
CS 3			0.673	0.483	0.883	0.786	0.881
SA 5				0.520	0.624	0.535	0.860
SA 6					0.425	0.409	0.677
SA 7						0.572	0.810
SA 8							0.714

Table 209. Scale Score Correlations by Content Standard and Subcontent Area, Writing Grade 10

Name	CS 2	CS 3	SA 5	SA 6	SA 7	SA 8	Total
Mean	577.6	582.9	577.5	624.6	600.1	571.7	575.8
SD	85.17	93.87	93.53	177.49	131.55	141.98	76.90
N	56374	56374	56374	56374	56374	56374	56374
CS 2		0.716	0.916	0.764	0.634	0.528	0.935
CS 3			0.673	0.489	0.856	0.736	0.894
SA 5				0.529	0.596	0.494	0.865
SA 6					0.410	0.382	0.684
SA 7						0.514	0.786
SA 8							0.661

Table 210. Scale Score Correlations by Content Standard and Subcontent Area, Mathematics Grade 3

Name	CS 1	CS 2/3	CS 4/5	CS 6	Total
Mean	461.6	469.0	469.2	469.1	463.7
SD	118.97	117.69	108.43	111.88	90.79
N	64430	64430	64430	64430	64430
CS 1		0.709	0.713	0.687	0.864
CS 2/3			0.712	0.705	0.885
CS 4/5				0.697	0.889
CS 6					0.858

Table 211. Scale Score Correlations by Content Standard and Subcontent Area, Mathematics Grade 4

Name	CS 1	CS 2	CS 3	CS 4/5	CS 6	SA 1	SA 2	SA 3	Total
Mean	498.3	506.1	504.1	503.3	505.1	500.6	508.8	551.4	495.2
SD	96.34	124.70	116.48	100.96	108.35	98.26	128.72	165.43	80.18
N	63042	63042	63042	63042	63042	63042	63042	63042	63042
CS 1		0.708	0.711	0.737	0.729	0.876	0.695	0.615	0.898
CS 2			0.674	0.682	0.688	0.711	0.975	0.566	0.832
CS 3				0.703	0.677	0.710	0.661	0.580	0.844
CS 4/5					0.701	0.737	0.670	0.765	0.880
CS 6						0.848	0.677	0.583	0.861
SA 1							0.697	0.617	0.893
SA 2								0.554	0.817
SA 3									0.720

Table 212. Scale Score Correlations by Content Standard and Subcontent Area, Mathematics Grade 5

Name	CS 1	CS 2	CS 3	CS 4/5	CS 6	SA 1	SA 2	SA 3	Total
Mean	520.2	521.7	520.2	520.5	529.5	522.6	526.9	526.0	518.1
SD	95.48	93.87	94.73	94.38	107.42	100.76	103.69	115.29	75.38
N	62561	62561	62561	62561	62561	62561	62561	62561	62561
CS 1		0.754	0.735	0.731	0.726	0.923	0.718	0.670	0.885
CS 2			0.751	0.735	0.723	0.721	0.938	0.692	0.895
CS 3				0.742	0.706	0.699	0.716	0.906	0.883
CS 4/5					0.696	0.705	0.698	0.676	0.877
CS 6						0.695	0.691	0.648	0.851
SA 1							0.687	0.637	0.842
SA 2								0.663	0.851
SA 3									0.807

Table 213. Scale Score Correlations by Content Standard and Subcontent Area, Mathematics Grade 6

Name	CS 1	CS 2	CS 3	CS 4/5	CS 6	SA 1	SA 2	SA 3	Total
Mean	530.6	540.9	540.0	531.4	553.8	537.4	540.9	512.6	536.8
SD	107.29	93.72	90.12	91.97	121.45	103.96	94.94	128.11	73.94
N	61579	61579	61579	61579	61579	61579	61579	61579	61579
CS 1		0.706	0.697	0.702	0.662	0.895	0.698	0.594	0.849
CS 2			0.734	0.722	0.682	0.722	0.987	0.612	0.880
CS 3				0.718	0.671	0.712	0.725	0.609	0.870
CS 4/5					0.672	0.714	0.713	0.835	0.874
CS 6						0.755	0.673	0.577	0.813
SA 1							0.714	0.604	0.864
SA 2								0.605	0.868
SA 3									0.744

Table 214. Scale Score Correlations by Content Standard and Subcontent Area, Mathematics Grade 7

Name	CS 1/6	CS 2	CS 3	CS 4/5	SA 1	SA 2	Total
Mean	561.4	561.0	559.2	550.4	548.4	548.5	561.1
SD	83.81	92.98	95.95	103.87	114.94	108.77	75.81
N	60630	60630	60630	60630	60630	60630	60630
CS 1/6		0.782	0.778	0.741	0.810	0.721	0.929
CS 2			0.744	0.707	0.636	0.687	0.891
CS 3				0.706	0.636	0.682	0.883
CS 4/5					0.616	0.958	0.849
SA 1						0.598	0.758
SA 2							0.824

Table 215. Scale Score Correlations by Content Standard and Subcontent Area, Mathematics Grade 8

Name	CS 1/6	CS 2	CS 3	CS 4/5	SA 1	SA 2	SA 3	Total
Mean	574.2	578.1	573.9	568.9	578.9	539.0	571.4	575.8
SD	83.45	90.72	87.14	91.74	95.20	140.62	92.29	71.56
N	59543	59543	59543	59543	59543	59543	59543	59543
CS 1/6		0.757	0.763	0.754	0.740	0.744	0.747	0.909
CS 2			0.740	0.727	0.922	0.657	0.701	0.895
CS 3				0.740	0.751	0.670	0.709	0.887
CS 4/5					0.711	0.745	0.910	0.873
SA 1						0.643	0.687	0.874
SA 2							0.647	0.781
SA 3								0.840

Table 216. Scale Score Correlations by Content Standard and Subcontent Area, Mathematics Grade 9

Name	CS 1/6	CS 2	CS 3	CS 4/5	SA 1	SA 2	Total
Mean	563.3	574.8	572.3	571.1	578.3	556.1	575.4
SD	102.33	84.47	87.29	84.10	91.21	112.73	73.42
N	58912	58912	58912	58912	58912	58912	58912
CS 1/6		0.714	0.677	0.705	0.676	0.807	0.811
CS 2			0.768	0.776	0.887	0.681	0.927
CS 3				0.742	0.779	0.660	0.882
CS 4/5					0.772	0.717	0.897
SA 1						0.646	0.886
SA 2							0.771

Table 217. Scale Score Correlations by Content Standard and Subcontent Area, Mathematics Grade 10

Name	CS 1/6	CS 2	CS 3	CS 4/5	SA 1	SA 2	Total
Mean	580.3	591.2	595.4	576.3	592.1	633.0	593.5
SD	104.84	81.01	79.85	103.31	78.31	169.26	70.79
N	56557	56557	56557	56557	56557	56557	56557
CS 1/6		0.712	0.684	0.682	0.723	0.481	0.820
CS 2			0.772	0.736	0.929	0.533	0.921
CS 3				0.712	0.836	0.670	0.898
CS 4/5					0.790	0.498	0.839
SA 1						0.546	0.944
SA 2							0.604

Table 218. Scale Score Correlations by Content Standard and Subcontent Area, Science Grade 5

Name	CS 1/5	CS 2	CS 3	CS 4	SA 1	SA 2	Total
Mean	499.8	501.5	498.7	503.1	500.5	515.5	499.0
SD	72.44	82.14	80.85	89.18	83.48	120.92	66.59
N	62594	62594	62594	62594	62594	62594	62594
CS 1/5		0.750	0.751	0.721	0.930	0.735	0.951
CS 2			0.679	0.660	0.692	0.573	0.851
CS 3				0.674	0.702	0.545	0.858
CS 4					0.670	0.538	0.820
SA 1						0.583	0.883
SA 2							0.702

Table 219. Scale Score Correlations by Content Standard and Subcontent Area, Science Grade 8

Name	CS 1/5	CS 2	CS 3	CS 4	SA 1	SA 2	SA 3	SA 5	SA 6	Total
Mean	499.8	495.6	498.8	498.6	500.9	501.9	495.3	498.1	497.2	499.5
SD	65.13	78.18	70.58	80.92	75.64	79.52	84.95	128.10	88.05	60.01
N	59446	59446	59446	59446	59446	59446	59446	59446	59446	59446
CS 1/5		0.744	0.780	0.687	0.921	0.896	0.690	0.505	0.645	0.957
CS 2			0.702	0.652	0.684	0.670	0.926	0.472	0.615	0.841
CS 3				0.676	0.716	0.701	0.654	0.644	0.636	0.879
CS 4					0.632	0.617	0.613	0.456	0.936	0.793
SA 1						0.720	0.635	0.463	0.594	0.879
SA 2							0.622	0.461	0.580	0.856
SA 3								0.446	0.578	0.782
SA 5									0.430	0.573
SA 6										0.747

Table 220. Scale Score Correlations by Content Standard and Subcontent Area, Science Grade 10

Name	CS 1/5	CS 2	CS 3	CS 4	SA 1	SA 2	SA 4	SA 5	SA 6	Total
Mean	499.5	494.4	498.9	499.9	498.9	503.4	495.0	512.1	502.2	499.6
SD	66.76	77.41	75.66	77.97	76.38	86.82	98.65	121.50	82.89	62.23
N	56517	56517	56517	56517	56517	56517	56517	56517	56517	56517
CS 1/5		0.750	0.729	0.711	0.913	0.830	0.591	0.527	0.677	0.951
CS 2			0.667	0.655	0.686	0.624	0.756	0.483	0.626	0.852
CS 3				0.661	0.655	0.608	0.537	0.740	0.632	0.836
CS 4					0.635	0.593	0.524	0.489	0.957	0.818
SA 1						0.656	0.540	0.470	0.603	0.863
SA 2							0.495	0.443	0.567	0.788
SA 4								0.404	0.503	0.675
SA 5									0.467	0.609
SA 6										0.781

Table 221. Cronbach Alpha Reliability Coefficients for Content Standards

Content Area	Grade	Alpha						Total
		CS 1	CS 2	CS 3	CS 4	CS 5	CS 6	
Reading	3	0.89						0.89
	4	0.87			0.72	0.76	0.76	0.94
	5	0.85			0.73	0.75	0.77	0.94
	6	0.85			0.74	0.78	0.74	0.93
	7	0.83			0.76	0.74	0.69	0.93
	8	0.83			0.72	0.71	0.74	0.93
	9	0.81			0.73	0.73	0.71	0.92
	10	0.80			0.73	0.75	0.77	0.93
Writing	3		0.78	0.88				0.91
	4		0.81	0.87				0.91
	5		0.82	0.88				0.92
	6		0.81	0.87				0.91
	7		0.82	0.88				0.92
	8		0.82	0.87				0.91
	9		0.82	0.89				0.92
	10		0.84	0.87				0.92
Mathematics	3	0.71	0.78		0.78		0.68	0.92
	4	0.77	0.72	0.77	0.82		0.79	0.95
	5	0.78	0.78	0.77	0.74		0.79	0.94
	6	0.77	0.74	0.74	0.80		0.75	0.94
	7	0.81	0.75	0.73	0.83			0.94
	8	0.80	0.84	0.75	0.79			0.94
	9	0.74	0.83	0.74	0.79			0.94
	10	0.76	0.83	0.76	0.80			0.94
Science	5	0.86	0.69	0.72	0.66			0.93
	8	0.88	0.72	0.72	0.69			0.93
	10	0.83	0.71	0.68	0.60			0.91
Reading Spanish	3	0.87						0.87
	4	0.89			0.74	0.73	0.62	0.94
Writing Spanish	3		0.83	0.85				0.91
	4		0.77	0.81				0.88

Table 222. Cronbach Alpha Reliability Coefficients for Subcontent Areas

Content Area	Grade	Alpha							
		SA 1	SA 2	SA 3	SA 4	SA 5	SA 6	SA 7	SA 8
Reading	3	0.75	0.77	0.71					
	4	0.83	0.84	0.72					
	5	0.84	0.83	0.70					
	6	0.87	0.73	0.68					
	7	0.77	0.78	0.66	0.69				
	8	0.75	0.74	0.72	0.74				
	9	0.78	0.76	0.66	0.59				
	10	0.80	0.76	0.60	0.61				
Writing	3					0.80		0.81	0.71
	4					0.70	0.72	0.79	0.74
	5					0.71	0.72	0.81	0.82
	6					0.71	0.72	0.85	0.70
	7					0.74	0.66	0.86	0.65
	8					0.70	0.71	0.83	0.69
	9					0.74	0.75	0.87	0.67
	10					0.76	0.77	0.88	0.50
Mathematics	3								
	4	0.78	0.70	0.61					
	5	0.71	0.74	0.65					
	6	0.77	0.71	0.71					
	7	0.65	0.77						
	8	0.81	0.66	0.68					
	9	0.75	0.71						
	10	0.85	0.37						
Science	5	0.80	0.59						
	8	0.78	0.79	0.60		0.36	0.64		
	10	0.70	0.57		0.51	0.45	0.58		
Reading Spanish	3	0.80	0.65	0.61					
	4	0.86	0.78	0.69					
Writing Spanish	3					0.87		0.78	0.71
	4					0.63	0.70	0.78	0.59

Table 223. Subgroup Reliability for the TCAP Reading Tests

Grade	Subgroup	N	Mean	SD	Loss	Hoss	Min	Max	Alpha	SEM
3	No Disability	57340	571.83	64.84	150	795	150	795	0.87	23.08
	Disability	5769	474.56	102.00	150	795	150	735	0.90	32.64
	No IEP	57332	571.84	64.84	150	795	150	795	0.87	23.08
	IEP	5764	474.47	102.00	150	795	150	735	0.90	32.64
	No Accommodation	48725	574.81	63.64	150	795	150	795	0.87	23.21
	Accommodation	10039	492.51	88.09	150	795	150	779	0.88	30.06
	Am. Indian/AK Native	476	537.56	73.90	150	795	150	748	0.89	24.72
	Asian	2109	574.28	76.61	150	795	150	795	0.90	24.67
	Black	2919	531.82	81.66	150	795	150	756	0.89	26.78
	Hispanic	20121	533.52	76.17	150	795	150	795	0.89	25.79
	White	35224	581.32	66.44	150	795	150	795	0.87	23.66
	Hawaiian/Pacific Islander	150	564.44	60.08	150	795	398	728	0.86	22.26
	Two or More Races	2108	574.13	70.41	150	795	150	795	0.89	23.85
	Not Free Lunch Eligible	35306	585.85	63.97	150	795	150	795	0.87	23.47
	Free Lunch Eligible	23245	529.77	77.43	150	795	150	795	0.89	26.21
	Reduced Lunch Eligible	4540	554.67	70.19	150	795	150	795	0.88	24.13
	Female	31039	571.69	70.77	150	795	150	795	0.89	23.98
	Male	32066	554.48	77.09	150	795	150	795	0.90	24.91
	Language Proficiency NA	51633	572.47	70.08	150	795	150	795	0.88	23.98
	Language Proficiency NEP	2025	434.05	99.10	150	795	150	672	0.82	41.74
	Language Proficiency LEP	7974	528.55	54.67	150	795	150	779	0.83	22.39
	Language Proficiency FEP	1476	592.42	54.04	150	795	150	795	0.81	23.73
	Not Migrant Or Immigrant	62174	563.65	74.06	150	795	150	795	0.89	24.42
	Migrant	187	513.84	74.17	150	795	150	648	0.87	27.21
	Immigrant	712	515.88	94.65	150	795	150	711	0.90	29.45
	Migrant and Immigrant	22	504.73	66.01	150	795	369	611	0.88	22.95
4	No Disability	56810	595.21	52.82	180	940	180	940	0.93	14.44
	Disability	6103	506.81	91.60	180	940	180	720	0.94	23.15
	No IEP	56808	595.20	52.82	180	940	180	940	0.93	14.44
	IEP	6097	506.75	91.62	180	940	180	720	0.94	23.15
	No Accommodation	47064	598.45	51.24	180	940	180	940	0.92	14.46
	Accommodation	11720	530.43	79.43	180	940	180	735	0.94	20.20
	Am. Indian/AK Native	475	565.65	61.31	180	940	180	723	0.93	16.38
	Asian/Pacific Islander	2108	595.36	64.93	180	940	180	740	0.94	15.77
	Black	2886	559.04	73.76	180	940	180	715	0.94	18.32
	Hispanic	20658	561.29	65.54	180	940	180	788	0.93	16.85
	White	34659	603.26	54.85	180	940	180	889	0.93	14.95
	Hawaiian/Pacific Islander	113	581.19	55.38	180	940	399	686	0.93	14.22
	Two or More Races	2014	596.03	60.69	180	940	180	940	0.93	16.05
	Not Free Lunch Eligible	34766	607.35	52.02	180	940	180	940	0.92	14.68
	Free Lunch Eligible	23456	557.27	68.00	180	940	180	756	0.93	17.55
	Reduced Lunch Eligible	4668	579.90	56.19	180	940	180	749	0.93	15.16
	Female	30829	594.28	57.94	180	940	180	940	0.93	14.90
	Male	32083	579.28	67.39	180	940	180	841	0.94	16.51
	Language Proficiency NA	50580	595.38	58.77	180	940	180	940	0.93	15.34
	Language Proficiency NEP	1715	460.63	92.42	180	940	180	685	0.89	31.15
	Language Proficiency LEP	7998	551.36	46.41	180	940	180	702	0.90	14.90
	Language Proficiency FEP	2621	607.77	38.97	180	940	180	740	0.87	13.92
	Not Migrant Or Immigrant	62168	587.24	62.78	180	940	180	940	0.94	15.71
	Migrant	178	547.26	62.88	180	940	240	709	0.94	15.88
	Immigrant	533	533.15	94.22	180	940	180	739	0.95	21.32
	Migrant and Immigrant	22	486.05	97.22	180	940	180	609	0.94	24.70

Table 223. Subgroup Reliability for the TCAP Reading Tests (cont'd)

Grade	Subgroup	N	Mean	SD	Loss	Hoss	Min	Max	Alpha	SEM
5	No Disability	56090	620.55	58.55	220	955	220	836	0.92	16.14
	Disability	6234	522.17	95.52	220	955	220	731	0.93	25.72
	No IEP	56085	620.55	58.55	220	955	220	836	0.92	16.14
	IEP	6233	522.13	95.51	220	955	220	731	0.93	25.72
	No Accommodation	46730	623.33	57.02	220	955	220	836	0.92	16.11
	Accommodation	11294	547.59	85.67	220	955	220	786	0.93	22.58
	Am. Indian/AK Native	521	586.27	71.99	220	955	220	739	0.93	18.52
	Asian	1995	623.95	78.08	220	955	220	805	0.94	18.62
	Black	2845	578.42	76.63	220	955	220	757	0.93	19.85
	Hispanic	20214	581.18	71.62	220	955	220	784	0.93	19.06
	White	34587	629.53	60.24	220	955	220	836	0.92	16.70
	Hawaiian/Pacific Islander	122	601.14	67.34	220	955	382	745	0.94	16.68
	Two or More Races	2040	623.05	64.01	220	955	220	783	0.93	16.93
	Not Free Lunch Eligible	34692	634.05	57.76	220	955	220	836	0.92	16.44
	Free Lunch Eligible	22846	577.21	73.50	220	955	220	777	0.93	19.64
	Reduced Lunch Eligible	4765	601.44	63.58	220	955	220	766	0.93	17.29
	Female	30735	618.54	63.39	220	955	220	836	0.93	16.64
	Male	31587	603.09	74.69	220	955	220	803	0.94	18.44
	Language Proficiency NA	50409	620.17	64.88	220	955	220	836	0.93	17.14
	Language Proficiency NEP	1095	454.04	106.10	220	955	220	732	0.88	36.83
	Language Proficiency LEP	7198	559.93	53.52	220	955	220	721	0.89	18.19
	Language Proficiency FEP	3622	627.26	45.08	220	955	220	791	0.87	15.97
	Not Migrant Or Immigrant	61564	611.48	69.01	220	955	220	836	0.94	17.56
	Migrant	167	560.86	65.87	220	955	220	704	0.91	20.17
	Immigrant	566	546.59	103.90	220	955	220	742	0.95	23.28
	Migrant and Immigrant	20	486.70	90.71	220	955	220	604	0.87	33.09
6	No Disability	55915	637.65	54.67	260	970	260	861	0.92	15.41
	Disability	5864	545.05	81.35	260	970	260	785	0.93	21.48
	No IEP	55915	637.65	54.67	260	970	260	861	0.92	15.41
	IEP	5860	544.93	81.43	260	970	260	785	0.93	21.50
	No Accommodation	48852	638.47	54.34	260	970	260	861	0.92	15.44
	Accommodation	8690	564.76	78.46	260	970	260	839	0.94	19.78
	Am. Indian/AK Native	520	607.60	63.35	260	970	260	748	0.94	16.18
	Asian/Pacific Islander	1922	638.43	73.00	260	970	260	820	0.94	17.56
	Black	2949	599.00	70.36	260	970	260	744	0.93	18.06
	Hispanic	20079	600.60	64.43	260	970	260	839	0.93	16.95
	White	34278	647.20	54.85	260	970	260	861	0.92	15.57
	Hawaiian/Pacific Islander	126	608.87	67.31	260	970	260	749	0.94	17.16
	Two or More Races	1907	640.16	59.36	260	970	260	810	0.93	15.84
	Not Free Lunch Eligible	34974	650.38	52.95	260	970	260	861	0.91	15.49
	Free Lunch Eligible	22093	596.85	66.19	260	970	260	793	0.93	17.35
	Reduced Lunch Eligible	4678	619.10	60.67	260	970	260	839	0.93	16.37
	Female	30110	638.03	58.86	260	970	260	861	0.93	15.73
	Male	31671	620.13	67.03	260	970	260	807	0.94	16.71
	Language Proficiency NA	50416	638.11	59.17	260	970	260	861	0.93	15.89
	Language Proficiency NEP	868	486.34	93.53	260	970	260	701	0.91	28.61
	Language Proficiency LEP	6064	568.47	50.66	260	970	260	739	0.89	16.99
	Language Proficiency FEP	4434	634.06	41.69	260	970	260	815	0.87	15.26
	Not Migrant Or Immigrant	61121	629.62	63.01	260	970	260	861	0.93	16.19
	Migrant	155	577.59	73.62	260	970	260	722	0.94	18.58
	Immigrant	480	551.02	97.11	260	970	260	732	0.95	21.89
	Migrant and Immigrant	19	544.74	65.09	260	970	408	661	0.93	17.00

Table 223. Subgroup Reliability for the TCAP Reading Tests (cont'd)

Grade	Subgroup	N	Mean	SD	Loss	Hoss	Min	Max	Alpha	SEM
7	No Disability	54961	649.28	57.29	300	980	300	926	0.92	16.63
	Disability	5603	555.44	80.13	300	980	300	774	0.93	21.46
	No IEP	54964	649.28	57.29	300	980	300	926	0.92	16.63
	IEP	5597	555.42	80.16	300	980	300	774	0.93	21.46
	No Accommodation	49586	648.38	57.58	300	980	300	926	0.92	16.66
	Accommodation	6645	568.71	81.02	300	980	300	837	0.94	20.52
	Am. Indian/AK Native	507	620.17	66.71	300	980	300	781	0.93	17.23
	Asian	1860	650.95	74.79	300	980	300	823	0.94	18.03
	Black	2966	609.01	72.42	300	980	300	819	0.94	18.47
	Hispanic	19228	612.58	66.66	300	980	300	926	0.93	17.81
	White	34018	658.30	57.11	300	980	300	904	0.91	16.75
	Hawaiian/Pacific Islander	154	633.69	63.77	300	980	300	780	0.93	17.01
	Two or More Races	1830	652.82	59.78	300	980	300	838	0.92	16.85
	Not Free Lunch Eligible	35167	661.30	55.81	300	980	300	926	0.91	16.70
	Free Lunch Eligible	20792	607.73	68.34	300	980	300	814	0.93	18.17
	Reduced Lunch Eligible	4584	631.12	59.63	300	980	300	820	0.92	16.83
	Female	29691	649.35	60.95	300	980	300	868	0.92	16.81
	Male	30872	632.18	68.86	300	980	300	926	0.94	17.56
	Language Proficiency NA	50044	649.26	61.15	300	980	300	926	0.92	16.93
	Language Proficiency NEP	657	483.00	90.86	300	980	300	736	0.90	28.36
	Language Proficiency LEP	4912	571.56	54.89	300	980	300	758	0.89	18.43
	Language Proficiency FEP	4951	642.48	45.61	300	980	300	860	0.87	16.26
	Not Migrant Or Immigrant	59888	641.53	64.61	300	980	300	926	0.93	17.15
	Migrant	147	566.30	88.52	300	980	300	732	0.94	22.27
	Immigrant	511	556.47	100.10	300	980	300	782	0.95	22.17
	Migrant and Immigrant	14	509.00	96.10	300	980	300	665	0.93	24.98
8	No Disability	54222	657.84	54.17	330	990	330	898	0.92	15.80
	Disability	5256	576.45	69.74	330	990	330	809	0.92	20.35
	No IEP	54214	657.85	54.17	330	990	330	898	0.92	15.80
	IEP	5250	576.38	69.70	330	990	330	809	0.92	20.36
	No Accommodation	48875	656.74	54.65	330	990	330	898	0.92	15.83
	Accommodation	6188	591.12	71.90	330	990	330	854	0.93	19.28
	Am. Indian/AK Native	514	628.87	60.64	330	990	330	776	0.92	17.21
	Asian/Pacific Islander	1860	662.67	64.91	330	990	330	825	0.93	16.74
	Black	2980	621.12	64.48	330	990	330	805	0.92	17.79
	Hispanic	18405	623.09	59.10	330	990	330	831	0.92	16.81
	White	33849	667.39	53.61	330	990	330	898	0.91	15.88
	Hawaiian/Pacific Islander	121	643.45	57.41	330	990	392	761	0.92	16.59
	Two or More Races	1747	661.12	56.32	330	990	330	862	0.92	16.19
	Not Free Lunch Eligible	35320	669.57	52.63	330	990	330	898	0.91	15.83
	Free Lunch Eligible	19697	618.90	60.59	330	990	330	821	0.92	17.22
	Reduced Lunch Eligible	4420	640.99	54.58	330	990	330	802	0.91	16.22
	Female	29215	659.82	56.63	330	990	330	898	0.92	15.82
	Male	30259	641.79	62.42	330	990	330	853	0.93	16.67
	Language Proficiency NA	49320	658.88	56.84	330	990	330	898	0.92	16.10
	Language Proficiency NEP	557	507.79	77.40	330	990	330	688	0.84	30.71
	Language Proficiency LEP	4195	581.50	47.11	330	990	330	752	0.85	18.09
	Language Proficiency FEP	5404	643.95	41.69	330	990	330	818	0.87	14.91
	Not Migrant Or Immigrant	58795	651.49	59.56	330	990	330	898	0.93	16.27
	Migrant	169	602.08	54.08	330	990	418	749	0.91	16.34
	Immigrant	485	568.44	85.16	330	990	330	798	0.94	21.28
	Migrant and Immigrant	12	582.00	67.93	330	990	484	703	0.93	18.24

Table 223. Subgroup Reliability for the TCAP Reading Tests (cont'd)

Grade	Subgroup	N	Mean	SD	Loss	Hoss	Min	Max	Alpha	SEM
9	No Disability	54207	665.80	45.96	350	995	350	859	0.92	13.32
	Disability	4921	599.75	54.57	350	995	350	776	0.90	16.92
	No IEP	54197	665.79	45.97	350	995	350	859	0.92	13.32
	IEP	4913	599.73	54.56	350	995	350	776	0.90	16.92
	No Accommodation	51211	662.85	47.38	350	995	350	859	0.92	13.45
	Accommodation	3586	604.46	57.91	350	995	350	794	0.92	16.54
	Am. Indian/AK Native	489	645.60	52.32	350	995	350	767	0.92	14.42
	Asian	1841	671.98	55.49	350	995	350	831	0.94	13.85
	Black	2850	637.10	52.44	350	995	350	769	0.92	14.63
	Hispanic	17840	638.11	48.83	350	995	350	813	0.92	14.13
	White	34259	672.93	45.45	350	995	350	859	0.91	13.31
	Hawaiian/Pacific Islander	151	653.83	47.36	350	995	424	745	0.91	13.87
	Two or More Races	1696	669.56	48.81	350	995	350	845	0.92	13.76
	Not Free Lunch Eligible	37060	673.74	45.55	350	995	350	859	0.91	13.32
	Free Lunch Eligible	18041	634.63	49.79	350	995	350	813	0.92	14.40
	Reduced Lunch Eligible	3975	651.76	45.50	350	995	350	823	0.91	13.54
	Female	29027	668.25	48.04	350	995	350	859	0.92	13.37
	Male	30096	652.62	50.98	350	995	350	838	0.93	13.88
	Language Proficiency NA	49524	666.38	47.83	350	995	350	859	0.92	13.50
	Language Proficiency NEP	684	553.26	58.81	350	995	350	685	0.84	23.49
	Language Proficiency LEP	3504	605.36	36.94	350	995	350	753	0.85	14.31
	Language Proficiency FEP	5417	653.74	38.25	350	995	350	823	0.88	13.21
	Not Migrant Or Immigrant	58429	660.99	49.58	350	995	350	859	0.92	13.63
	Migrant	151	616.03	46.18	350	995	468	716	0.91	13.82
	Immigrant	514	597.07	67.48	350	995	350	764	0.93	17.55
	Migrant and Immigrant	14	583.79	46.93	350	995	499	642	0.86	17.37
10	No Disability	51982	687.06	48.94	370	999	370	981	0.92	13.94
	Disability	4321	617.05	62.64	370	999	370	794	0.92	17.88
	No IEP	51981	687.06	48.94	370	999	370	981	0.92	13.94
	IEP	4318	616.97	62.61	370	999	370	794	0.92	17.90
	No Accommodation	49035	683.75	50.74	370	999	370	981	0.92	14.14
	Accommodation	3026	622.95	65.48	370	999	370	844	0.93	17.10
	Am. Indian/AK Native	488	667.15	49.42	370	999	370	776	0.92	13.93
	Asian/Pacific Islander	1802	690.51	58.96	370	999	370	850	0.94	14.60
	Black	2738	655.65	58.54	370	999	370	813	0.93	15.75
	Hispanic	16125	660.22	53.54	370	999	370	842	0.92	14.86
	White	33389	693.50	48.61	370	999	370	981	0.92	13.93
	Hawaiian/Pacific Islander	133	675.82	49.05	370	999	469	772	0.92	13.66
	Two or More Races	1624	690.81	52.15	370	999	370	821	0.93	14.26
	Not Free Lunch Eligible	36883	693.86	48.52	370	999	370	981	0.92	13.86
	Free Lunch Eligible	15759	655.44	55.10	370	999	370	818	0.92	15.28
	Reduced Lunch Eligible	3633	672.15	51.50	370	999	370	842	0.92	14.62
	Female	27717	691.87	48.46	370	999	370	981	0.92	13.57
	Male	28583	671.81	56.20	370	999	370	864	0.93	14.82
	Language Proficiency NA	47855	687.32	51.26	370	999	370	981	0.92	14.18
	Language Proficiency NEP	671	566.72	62.29	370	999	370	716	0.83	25.88
	Language Proficiency LEP	2919	627.12	42.09	370	999	370	759	0.87	15.17
	Language Proficiency FEP	4858	674.89	41.09	370	999	370	806	0.89	13.96
	Not Migrant Or Immigrant	55592	682.52	52.75	370	999	370	981	0.93	14.26
	Migrant	127	638.16	50.21	370	999	505	765	0.93	13.57
	Immigrant	558	610.88	71.52	370	999	370	793	0.93	18.52
	Migrant and Immigrant	16	622.19	40.81	370	999	571	702	0.90	12.81

Table 224. Subgroup Reliability for the TCAP Writing Tests

Grade	Subgroup	N	Mean	SD	Loss	Hoss	Min	Max	Alpha	SEM
3	No Disability	57347	472.01	46.49	150	680	150	680	0.90	15.05
	Disability	5761	413.44	52.27	150	680	150	585	0.91	15.94
	No IEP	57341	472.01	46.49	150	680	150	680	0.90	15.04
	IEP	5753	413.41	52.27	150	680	150	585	0.91	15.95
	No Accommodation	47755	475.09	44.96	150	680	150	680	0.89	15.12
	Accommodation	11168	422.90	48.28	150	680	150	680	0.90	15.33
	Am. Indian/AK Native	471	447.42	45.98	150	680	278	602	0.91	13.63
	Asian	2118	477.40	56.96	150	680	150	680	0.92	16.26
	Black	2945	446.26	52.02	150	680	150	680	0.92	14.74
	Hispanic	20079	449.21	46.14	150	680	150	680	0.91	14.14
	White	35225	477.51	48.15	150	680	150	680	0.90	15.46
	Hawaiian/Pacific Islander	149	464.37	40.29	150	680	259	555	0.89	13.62
	Two or More Races	2118	473.83	49.35	150	680	150	680	0.90	15.26
	Not Free Lunch Eligible	35352	481.25	47.42	150	680	150	680	0.89	15.71
	Free Lunch Eligible	23203	445.63	46.78	150	680	150	680	0.91	14.27
	Reduced Lunch Eligible	4531	460.64	45.56	150	680	150	680	0.90	14.53
	Female	31043	474.91	48.70	150	680	150	680	0.90	15.19
	Male	32061	458.69	49.91	150	680	150	680	0.91	14.73
	Language Proficiency NA	51651	471.66	48.98	150	680	150	680	0.91	15.09
	Language Proficiency NEP	2030	391.89	55.58	150	680	150	567	0.89	18.64
	Language Proficiency LEP	7954	449.24	34.84	150	680	210	602	0.86	13.05
	Language Proficiency FEP	1470	488.67	37.20	150	680	318	680	0.83	15.36
4	Not Migrant Or Immigrant	62176	467.11	49.57	150	680	150	680	0.91	14.91
	Migrant	189	438.26	48.33	150	680	150	547	0.90	15.03
	Immigrant	706	437.77	70.14	150	680	150	680	0.94	17.21
	Migrant and Immigrant	22	412.14	80.88	150	680	150	530	0.93	21.61
	No Disability	56762	489.26	47.05	190	730	190	730	0.90	15.25
	Disability	6121	429.64	47.35	190	730	190	656	0.90	15.36
	No IEP	56760	489.26	47.05	190	730	190	730	0.90	15.25
	IEP	6115	429.61	47.36	190	730	190	656	0.90	15.36
	No Accommodation	45808	492.27	45.77	190	730	190	730	0.89	15.21
	Accommodation	12886	445.09	47.45	190	730	190	730	0.90	15.11
	Am. Indian/AK Native	474	461.24	47.28	190	730	242	680	0.90	14.80
	Asian/Pacific Islander	2104	498.99	57.08	190	730	190	730	0.92	16.08
	Black	2879	462.26	50.81	190	730	190	687	0.91	15.20
	Hispanic	20648	464.22	45.77	190	730	190	730	0.90	14.54
	White	34650	495.64	48.12	190	730	190	730	0.90	15.44
	Hawaiian/Pacific Islander	113	481.13	51.11	190	730	355	678	0.91	15.47
	Two or More Races	2015	490.62	49.83	190	730	303	730	0.91	15.36
	Not Free Lunch Eligible	34748	500.23	47.32	190	730	190	730	0.89	15.67
	Free Lunch Eligible	23451	460.29	45.81	190	730	190	730	0.90	14.57
	Reduced Lunch Eligible	4661	475.04	44.57	190	730	190	687	0.89	14.54
	Female	30802	492.51	49.61	190	730	190	730	0.90	15.44
	Male	32080	474.76	49.39	190	730	190	730	0.91	14.84
4	Language Proficiency NA	50553	489.16	49.21	190	730	190	730	0.90	15.28
	Language Proficiency NEP	1715	402.90	47.21	190	730	190	582	0.87	17.02
	Language Proficiency LEP	7994	457.96	34.58	190	730	272	623	0.85	13.54
	Language Proficiency FEP	2622	503.97	39.87	190	730	296	730	0.84	15.91
	Not Migrant Or Immigrant	62141	483.85	50.04	190	730	190	730	0.91	15.20
	Migrant	178	455.62	45.88	190	730	292	594	0.90	14.49
	Immigrant	530	449.91	64.39	190	730	190	620	0.94	16.36
	Migrant and Immigrant	22	422.14	47.07	190	730	348	504	0.92	13.42

Table 224. Subgroup Reliability for the TCAP Writing Tests (cont'd)

Grade	Subgroup	N	Mean	SD	Loss	Hoss	Min	Max	Alpha	SEM
5	No Disability	56269	515.80	54.45	220	780	220	780	0.91	16.75
	Disability	6264	445.81	52.27	220	780	220	706	0.90	16.82
	No IEP	56264	515.80	54.45	220	780	220	780	0.91	16.75
	IEP	6263	445.79	52.26	220	780	220	706	0.90	16.82
	No Accommodation	45825	518.71	52.88	220	780	220	780	0.90	16.71
	Accommodation	12253	462.98	54.78	220	780	220	780	0.91	16.60
	Am. Indian/AK Native	523	486.40	55.12	220	780	314	698	0.92	16.06
	Asian	2006	528.59	67.35	220	780	242	780	0.93	18.10
	Black	2867	484.60	57.96	220	780	220	780	0.92	16.38
	Hispanic	20311	486.50	52.66	220	780	220	780	0.91	15.86
	White	34662	522.52	55.79	220	780	220	780	0.91	16.90
	Hawaiian/Pacific Islander	122	505.84	59.31	220	780	344	703	0.93	16.25
	Two or More Races	2042	517.85	58.88	220	780	233	780	0.92	17.13
	Not Free Lunch Eligible	34778	527.65	55.48	220	780	220	780	0.90	17.28
	Free Lunch Eligible	22942	482.10	52.30	220	780	220	780	0.91	15.78
	Reduced Lunch Eligible	4792	499.80	51.29	220	780	233	780	0.91	15.74
	Female	30853	519.36	57.24	220	780	220	780	0.91	17.11
	Male	31678	498.50	57.21	220	780	220	780	0.92	16.10
	Language Proficiency NA	50538	515.25	57.15	220	780	220	780	0.92	16.70
	Language Proficiency NEP	1105	405.27	60.15	220	780	220	650	0.88	20.75
	Language Proficiency LEP	7243	471.57	38.20	220	780	309	780	0.86	14.33
	Language Proficiency FEP	3647	524.54	43.82	220	780	287	780	0.85	16.87
	Not Migrant Or Immigrant	61771	509.33	57.75	220	780	220	780	0.92	16.60
	Migrant	168	470.24	51.91	220	780	220	664	0.90	16.58
	Immigrant	567	464.62	77.81	220	780	220	731	0.94	19.28
	Migrant and Immigrant	20	410.35	59.43	220	780	297	510	0.91	17.42
6	No Disability	55879	528.69	58.00	230	840	230	840	0.90	18.30
	Disability	5860	452.43	54.29	230	840	230	695	0.88	18.79
	No IEP	55879	528.68	58.01	230	840	230	840	0.90	18.30
	IEP	5856	452.37	54.30	230	840	230	695	0.88	18.80
	No Accommodation	48115	530.11	57.10	230	840	230	840	0.90	18.22
	Accommodation	9240	467.72	59.26	230	840	230	786	0.90	18.89
	Am. Indian/AK Native	520	496.39	56.49	230	840	283	677	0.90	17.57
	Asian/Pacific Islander	1923	538.14	74.02	230	840	230	840	0.93	20.02
	Black	2957	495.47	59.53	230	840	230	737	0.91	18.14
	Hispanic	20065	497.74	55.85	230	840	230	840	0.90	17.49
	White	34247	536.59	59.50	230	840	230	840	0.90	18.48
	Hawaiian/Pacific Islander	126	504.65	59.46	230	840	290	659	0.91	18.01
	Two or More Races	1903	530.31	60.85	230	840	244	803	0.91	18.71
	Not Free Lunch Eligible	34933	541.32	58.55	230	840	230	840	0.90	18.68
	Free Lunch Eligible	22094	492.44	55.83	230	840	230	786	0.90	17.62
	Reduced Lunch Eligible	4677	510.21	55.50	230	840	230	734	0.90	17.75
	Female	30084	534.06	59.61	230	840	230	840	0.90	18.47
	Male	31657	509.46	61.55	230	840	230	840	0.92	17.99
	Language Proficiency NA	50375	528.23	60.74	230	840	230	840	0.91	18.30
	Language Proficiency NEP	871	410.30	66.25	230	840	230	587	0.88	22.83
	Language Proficiency LEP	6064	474.64	41.88	230	840	230	653	0.85	16.42
	Language Proficiency FEP	4432	530.23	45.40	230	840	242	840	0.84	17.96
	Not Migrant Or Immigrant	61081	522.07	61.35	230	840	230	840	0.91	18.25
	Migrant	154	483.05	55.38	230	840	343	644	0.91	16.95
	Immigrant	481	456.90	83.24	230	840	230	734	0.93	21.54
	Migrant and Immigrant	19	447.58	65.77	230	840	338	585	0.92	18.75

Table 224. Subgroup Reliability for the TCAP Writing Tests (cont'd)

Grade	Subgroup	N	Mean	SD	Loss	Hoss	Min	Max	Alpha	SEM
7	No Disability	54930	566.46	66.53	240	890	240	890	0.90	20.64
	Disability	5626	481.16	58.32	240	890	240	890	0.89	19.74
	No IEP	54933	566.46	66.54	240	890	240	890	0.90	20.64
	IEP	5620	481.17	58.33	240	890	240	890	0.89	19.74
	No Accommodation	48645	565.79	66.02	240	890	240	890	0.90	20.49
	Accommodation	7389	496.10	65.52	240	890	240	827	0.91	19.97
	Am. Indian/AK Native	506	533.39	70.84	240	890	289	890	0.92	20.01
	Asian	1857	582.28	83.72	240	890	240	890	0.93	22.54
	Black	2971	528.40	68.19	240	890	240	838	0.92	19.50
	Hispanic	19233	531.83	62.40	240	890	240	890	0.91	19.04
	White	34008	574.78	68.28	240	890	240	890	0.91	20.74
	Hawaiian/Pacific Islander	154	546.90	67.79	240	890	325	734	0.92	19.68
	Two or More Races	1826	570.21	69.92	240	890	334	890	0.91	20.98
	Not Free Lunch Eligible	35147	580.06	67.82	240	890	240	890	0.90	21.18
	Free Lunch Eligible	20801	525.24	62.05	240	890	240	890	0.91	18.92
	Reduced Lunch Eligible	4587	544.82	61.57	240	890	240	890	0.90	19.17
	Female	29681	574.91	69.11	240	890	240	890	0.91	21.33
	Male	30874	542.80	67.83	240	890	240	890	0.92	19.28
	Language Proficiency NA	50035	565.70	69.48	240	890	240	890	0.91	20.44
	Language Proficiency NEP	658	427.85	71.81	240	890	240	683	0.88	24.99
	Language Proficiency LEP	4914	499.73	43.79	240	890	284	833	0.85	17.13
	Language Proficiency FEP	4949	561.86	53.57	240	890	343	890	0.85	20.56
	Not Migrant Or Immigrant	59879	559.34	69.71	240	890	240	890	0.92	20.30
	Migrant	146	496.08	68.20	240	890	300	731	0.92	19.65
	Immigrant	513	485.76	91.62	240	890	240	890	0.94	22.88
	Migrant and Immigrant	14	471.86	48.39	240	890	399	573	0.85	18.99
8	No Disability	54060	572.13	66.96	250	910	250	910	0.90	21.26
	Disability	5247	484.74	59.44	250	910	250	781	0.87	21.19
	No IEP	54052	572.14	66.96	250	910	250	910	0.90	21.26
	IEP	5241	484.66	59.38	250	910	250	781	0.87	21.19
	No Accommodation	48426	570.70	66.27	250	910	250	910	0.90	20.98
	Accommodation	6193	498.76	69.58	250	910	250	910	0.90	21.86
	Am. Indian/AK Native	513	532.35	65.15	250	910	257	728	0.90	20.55
	Asian/Pacific Islander	1855	585.53	81.33	250	910	250	910	0.92	22.64
	Black	2981	535.01	67.50	250	910	250	835	0.91	20.46
	Hispanic	18370	536.19	62.42	250	910	250	910	0.90	20.03
	White	33722	581.24	69.14	250	910	250	910	0.90	21.41
	Hawaiian/Pacific Islander	121	559.46	61.34	250	910	363	686	0.90	19.56
	Two or More Races	1743	573.58	67.47	250	910	336	837	0.91	20.43
	Not Free Lunch Eligible	35224	585.73	68.19	250	910	250	910	0.90	21.63
	Free Lunch Eligible	19643	529.27	62.35	250	910	250	835	0.90	20.08
	Reduced Lunch Eligible	4399	550.66	60.17	250	910	250	837	0.89	19.79
	Female	29123	580.68	69.65	250	910	250	910	0.90	21.68
	Male	30180	548.69	68.35	250	910	250	910	0.91	20.29
	Language Proficiency NA	49153	572.04	69.85	250	910	250	910	0.91	21.15
	Language Proficiency NEP	554	418.09	72.61	250	910	250	632	0.85	27.97
	Language Proficiency LEP	4198	498.86	44.02	250	910	293	820	0.82	18.64
	Language Proficiency FEP	5400	560.89	50.40	250	910	278	835	0.85	19.61
	Not Migrant Or Immigrant	58627	565.28	70.14	250	910	250	910	0.91	21.02
	Migrant	169	510.88	69.82	250	910	278	716	0.91	21.55
	Immigrant	483	480.26	91.38	250	910	250	770	0.93	24.79
	Migrant and Immigrant	11	481.36	91.73	250	910	340	614	0.88	32.43

Table 224. Subgroup Reliability for the TCAP Writing Tests (cont'd)

Grade	Subgroup	N	Mean	SD	Loss	Hoss	Min	Max	Alpha	SEM
9	No Disability	54100	573.14	71.43	260	930	260	930	0.91	21.15
	Disability	4935	479.10	63.03	260	930	260	699	0.88	22.19
	No IEP	54090	573.14	71.43	260	930	260	930	0.91	21.15
	IEP	4927	479.03	63.04	260	930	260	699	0.88	22.20
	No Accommodation	50530	569.21	71.81	260	930	260	930	0.92	20.95
	Accommodation	3979	485.79	71.15	260	930	260	878	0.90	22.81
	Am. Indian/AK Native	489	540.96	69.80	260	930	302	773	0.92	20.09
	Asian	1823	584.43	87.09	260	930	260	908	0.93	22.71
	Black	2853	530.36	72.07	260	930	260	908	0.91	21.16
	Hispanic	17855	533.31	67.84	260	930	260	865	0.91	20.48
	White	34172	583.54	72.13	260	930	260	930	0.91	21.30
	Hawaiian/Pacific Islander	151	554.44	65.70	260	930	345	710	0.91	19.38
	Two or More Races	1690	579.99	75.15	260	930	260	930	0.92	21.90
	Not Free Lunch Eligible	36936	585.54	71.82	260	930	260	930	0.91	21.42
	Free Lunch Eligible	18074	526.71	68.53	260	930	260	898	0.91	20.78
	Reduced Lunch Eligible	3974	552.86	65.99	260	930	260	820	0.91	20.04
	Female	28971	581.13	72.73	260	930	260	930	0.91	21.39
	Male	30059	549.99	74.78	260	930	260	930	0.92	20.70
	Language Proficiency NA	49420	573.68	73.80	260	930	260	930	0.92	21.11
	Language Proficiency NEP	681	417.18	73.96	260	930	260	620	0.84	30.08
	Language Proficiency LEP	3511	491.62	46.76	260	930	260	709	0.82	19.81
	Language Proficiency FEP	5424	554.98	56.11	260	930	260	908	0.87	20.04
	Not Migrant Or Immigrant	58335	566.29	74.64	260	930	260	930	0.92	21.07
	Migrant	153	502.29	68.10	260	930	277	652	0.91	20.97
	Immigrant	514	472.13	94.81	260	930	260	724	0.92	26.34
	Migrant and Immigrant	13	475.23	63.17	260	930	359	559	0.87	22.91
10	No Disability	52051	583.01	73.43	270	950	270	950	0.91	22.58
	Disability	4320	489.22	63.77	270	950	270	763	0.89	21.09
	No IEP	52050	583.01	73.43	270	950	270	950	0.91	22.58
	IEP	4317	489.11	63.69	270	950	270	763	0.89	21.09
	No Accommodation	48626	578.68	73.57	270	950	270	950	0.91	22.27
	Accommodation	3240	493.55	73.22	270	950	270	909	0.91	22.42
	Am. Indian/AK Native	488	547.51	68.13	270	950	270	722	0.91	20.78
	Asian/Pacific Islander	1806	591.93	86.90	270	950	270	950	0.92	23.92
	Black	2750	539.57	74.63	270	950	270	950	0.92	21.70
	Hispanic	16155	544.65	70.35	270	950	270	950	0.91	21.19
	White	33408	592.84	73.71	270	950	270	950	0.91	22.66
	Hawaiian/Pacific Islander	135	566.57	78.57	270	950	275	744	0.92	22.50
	Two or More Races	1625	588.37	77.37	270	950	290	950	0.91	23.06
	Not Free Lunch Eligible	36899	593.80	73.94	270	950	270	950	0.91	22.83
	Free Lunch Eligible	15807	537.45	70.37	270	950	270	950	0.91	21.13
	Reduced Lunch Eligible	3636	560.54	68.52	270	950	270	836	0.90	21.27
	Female	27749	592.53	74.47	270	950	270	950	0.91	22.91
	Male	28619	559.62	75.74	270	950	270	950	0.92	21.45
	Language Proficiency NA	47885	583.81	75.06	270	950	270	950	0.91	22.37
	Language Proficiency NEP	684	424.67	73.26	270	950	270	675	0.83	30.36
	Language Proficiency LEP	2940	501.61	47.25	270	950	270	689	0.84	18.73
	Language Proficiency FEP	4862	563.25	60.32	270	950	270	950	0.87	21.57
	Not Migrant Or Immigrant	55652	576.98	76.00	270	950	270	950	0.91	22.23
	Migrant	130	504.37	82.32	270	950	270	667	0.92	23.36
	Immigrant	563	480.61	93.17	270	950	270	843	0.92	26.04
	Migrant and Immigrant	16	468.56	61.00	270	950	309	531	0.82	25.77

Table 225. Subgroup Reliability for the TCAP Mathematics Tests

Grade	Subgroup	N	Mean	SD	Loss	Hoss	Min	Max	Alpha	SEM
3	No Disability	58539	472.32	85.54	150	700	150	700	0.91	25.05
	Disability	5891	378.43	97.11	150	700	150	700	0.92	27.91
	No IEP	58534	472.32	85.54	150	700	150	700	0.91	25.05
	IEP	5882	378.42	97.13	150	700	150	700	0.92	27.92
	No Accommodation	48820	478.11	82.77	150	700	150	700	0.91	25.01
	Accommodation	11351	384.76	84.56	150	700	150	700	0.90	26.98
	Am. Indian/AK Native	476	432.74	81.98	150	700	150	700	0.91	25.13
	Asian	2118	494.25	91.24	150	700	150	700	0.92	25.60
	Black	2941	411.06	91.15	150	700	150	700	0.92	26.19
	Hispanic	21347	425.34	86.07	150	700	150	700	0.91	25.50
	White	35281	489.42	83.16	150	700	150	700	0.91	25.21
	Hawaiian/Pacific Islander	150	449.54	81.43	150	700	150	624	0.91	24.89
	Two or More Races	2116	473.60	89.92	150	700	150	700	0.92	25.40
	Not Free Lunch Eligible	35470	494.43	82.23	150	700	150	700	0.91	25.22
	Free Lunch Eligible	24330	421.01	86.04	150	700	150	700	0.91	25.68
	Reduced Lunch Eligible	4611	453.26	84.07	150	700	150	700	0.91	25.13
	Female	31682	460.29	87.67	150	700	150	700	0.92	25.07
	Male	32748	467.07	93.58	150	700	150	700	0.92	25.71
	Language Proficiency NA	51748	475.40	87.78	150	700	150	700	0.92	25.30
	Language Proficiency NEP	2592	341.92	84.03	150	700	150	683	0.88	29.29
	Language Proficiency LEP	8616	423.73	71.58	150	700	150	700	0.88	24.34
	Language Proficiency FEP	1474	502.45	75.45	150	700	150	700	0.89	25.37
	Not Migrant Or Immigrant	63415	464.53	90.52	150	700	150	700	0.92	25.42
	Migrant	193	402.75	81.06	150	700	150	659	0.90	26.25
	Immigrant	781	417.95	96.16	150	700	150	700	0.92	26.66
	Migrant and Immigrant	25	386.84	95.35	150	700	177	584	0.91	28.15
4	No Disability	56903	504.11	74.12	180	780	180	780	0.94	18.46
	Disability	6138	412.48	86.73	180	780	180	728	0.95	20.24
	No IEP	56900	504.11	74.13	180	780	180	780	0.94	18.46
	IEP	6132	412.44	86.74	180	780	180	728	0.95	20.24
	No Accommodation	47760	508.38	71.87	180	780	180	780	0.93	18.43
	Accommodation	10966	422.99	78.49	180	780	180	747	0.94	19.53
	Am. Indian/AK Native	475	461.83	81.94	180	780	180	728	0.94	19.63
	Asian/Pacific Islander	2111	525.50	82.24	180	780	180	780	0.95	19.34
	Black	2890	446.89	82.29	180	780	180	780	0.95	19.02
	Hispanic	20764	461.43	75.90	180	780	180	780	0.94	18.36
	White	34677	517.57	72.92	180	780	180	780	0.94	18.65
	Hawaiian/Pacific Islander	110	491.45	80.32	180	780	212	720	0.94	19.04
	Two or More Races	2013	503.51	80.94	180	780	180	780	0.95	19.01
	Not Free Lunch Eligible	34794	522.82	72.17	180	780	180	780	0.93	18.75
	Free Lunch Eligible	23557	456.57	76.34	180	780	180	780	0.94	18.50
	Reduced Lunch Eligible	4665	484.30	72.29	180	780	180	767	0.94	18.11
	Female	30872	493.13	77.94	180	780	180	780	0.94	18.48
	Male	32169	497.17	82.23	180	780	180	780	0.95	18.94
	Language Proficiency NA	50593	504.98	77.32	180	780	180	780	0.94	18.67
	Language Proficiency NEP	1823	374.26	78.52	180	780	180	663	0.93	20.93
	Language Proficiency LEP	8006	451.00	62.33	180	780	180	674	0.92	17.38
	Language Proficiency FEP	2618	525.34	64.73	180	780	180	780	0.92	18.88
	Not Migrant Or Immigrant	62263	495.76	79.93	180	780	180	780	0.95	18.72
	Migrant	179	443.09	73.78	180	780	201	642	0.94	18.10
	Immigrant	564	453.18	91.54	180	780	180	681	0.95	19.76
	Migrant and Immigrant	22	408.64	54.74	180	780	237	484	0.88	19.25

Table 225. Subgroup Reliability for the TCAP Mathematics Tests (cont'd)

Grade	Subgroup	N	Mean	SD	Loss	Hoss	Min	Max	Alpha	SEM
5	No Disability	56291	527.38	69.21	220	800	220	800	0.94	17.36
	Disability	6270	435.00	77.57	220	800	220	716	0.93	19.88
	No IEP	56290	527.38	69.21	220	800	220	800	0.94	17.36
	IEP	6267	435.00	77.57	220	800	220	716	0.93	19.88
	No Accommodation	47643	530.00	67.19	220	800	220	800	0.93	17.25
	Accommodation	10572	449.35	74.10	220	800	220	754	0.93	19.24
	Am. Indian/AK Native	519	489.81	72.43	220	800	220	686	0.94	17.79
	Asian	2015	550.97	80.95	220	800	220	800	0.95	18.22
	Black	2872	472.37	75.62	220	800	220	718	0.94	18.41
	Hispanic	20341	487.21	69.78	220	800	220	800	0.94	17.64
	White	34641	538.04	69.85	220	800	220	800	0.94	17.55
	Hawaiian/Pacific Islander	122	510.08	83.88	220	800	220	690	0.95	18.53
	Two or More Races	2050	527.74	77.22	220	800	220	800	0.95	18.06
	Not Free Lunch Eligible	34787	543.43	69.71	220	800	220	800	0.94	17.57
	Free Lunch Eligible	22962	482.08	69.88	220	800	220	770	0.94	17.83
	Reduced Lunch Eligible	4793	507.23	67.10	220	800	220	800	0.93	17.29
	Female	30850	518.41	72.23	220	800	220	800	0.94	17.49
	Male	31710	517.84	78.32	220	800	220	800	0.95	18.09
	Language Proficiency NA	50534	526.33	73.64	220	800	220	800	0.94	17.72
	Language Proficiency NEP	1126	400.51	80.97	220	800	220	754	0.93	21.16
	Language Proficiency LEP	7250	469.39	57.62	220	800	220	754	0.91	17.05
	Language Proficiency FEP	3651	537.59	58.30	220	800	220	800	0.92	16.97
	Not Migrant Or Immigrant	61791	518.64	75.10	220	800	220	800	0.94	17.80
	Migrant	169	470.82	66.19	220	800	220	635	0.92	18.41
	Immigrant	576	479.74	89.59	220	800	220	754	0.95	19.34
	Migrant and Immigrant	20	413.90	73.38	220	800	308	534	0.93	18.81
6	No Disability	55690	545.99	67.01	240	830	240	830	0.94	17.03
	Disability	5882	450.17	80.03	240	830	240	830	0.91	23.62
	No IEP	55690	545.99	67.01	240	830	240	830	0.94	17.03
	IEP	5881	450.11	80.04	240	830	240	830	0.91	23.62
	No Accommodation	49447	546.39	65.93	240	830	240	830	0.93	16.94
	Accommodation	8091	461.91	79.36	240	830	240	775	0.92	22.47
	Am. Indian/AK Native	517	507.27	76.29	240	830	240	830	0.94	19.31
	Asian/Pacific Islander	1918	567.59	81.48	240	830	240	830	0.95	18.56
	Black	2899	494.30	75.15	240	830	240	695	0.93	20.39
	Hispanic	20039	506.44	70.93	240	830	240	783	0.93	18.95
	White	34186	556.50	67.00	240	830	240	830	0.94	17.06
	Hawaiian/Pacific Islander	126	519.10	80.43	240	830	240	672	0.94	19.50
	Two or More Races	1892	546.63	72.72	240	830	240	830	0.94	17.49
	Not Free Lunch Eligible	34867	561.31	66.17	240	830	240	830	0.94	16.87
	Free Lunch Eligible	22044	500.62	71.26	240	830	240	830	0.93	19.53
	Reduced Lunch Eligible	4632	525.12	68.08	240	830	240	775	0.93	17.98
	Female	29991	537.29	70.51	240	830	240	830	0.94	17.50
	Male	31586	536.39	77.06	240	830	240	830	0.94	18.44
	Language Proficiency NA	50223	544.83	71.44	240	830	240	830	0.94	17.62
	Language Proficiency NEP	884	411.34	89.73	240	830	240	682	0.91	27.15
	Language Proficiency LEP	6054	480.43	60.77	240	830	240	830	0.89	19.75
	Language Proficiency FEP	4415	548.31	56.10	240	830	240	781	0.92	16.17
	Not Migrant Or Immigrant	60907	537.44	73.49	240	830	240	830	0.94	17.94
	Migrant	156	486.90	74.63	240	830	240	637	0.92	21.44
	Immigrant	487	479.77	97.47	240	830	240	830	0.94	23.66
	Migrant and Immigrant	20	474.30	79.24	240	830	327	592	0.92	22.79

Table 225. Subgroup Reliability for the TCAP Mathematics Tests (cont'd)

Grade	Subgroup	N	Mean	SD	Loss	Hoss	Min	Max	Alpha	SEM
7	No Disability	54989	570.14	69.45	280	860	280	860	0.93	17.86
	Disability	5641	473.32	79.15	280	860	280	860	0.89	25.71
	No IEP	54991	570.14	69.45	280	860	280	860	0.93	17.86
	IEP	5636	473.25	79.10	280	860	280	860	0.89	25.72
	No Accommodation	49476	568.86	69.54	280	860	280	860	0.93	17.93
	Accommodation	6828	486.26	81.25	280	860	280	860	0.91	24.09
	Am. Indian/AK Native	508	533.93	78.50	280	860	280	785	0.93	21.22
	Asian	1858	591.05	84.97	280	860	280	860	0.95	19.66
	Black	2971	516.69	78.09	280	860	280	759	0.92	22.33
	Hispanic	19248	528.81	70.86	280	860	280	860	0.92	20.27
	White	34054	581.49	69.48	280	860	280	860	0.94	17.78
	Hawaiian/Pacific Islander	153	544.78	72.57	280	860	280	709	0.92	20.44
	Two or More Races	1836	572.92	72.19	280	860	280	846	0.94	18.23
	Not Free Lunch Eligible	35184	585.69	69.17	280	860	280	860	0.94	17.68
	Free Lunch Eligible	20835	522.55	71.49	280	860	280	818	0.91	21.15
	Reduced Lunch Eligible	4589	548.21	66.73	280	860	280	860	0.92	18.83
	Female	29718	562.44	71.77	280	860	280	860	0.93	18.38
	Male	30910	559.88	79.49	280	860	280	860	0.94	19.37
	Language Proficiency NA	50090	569.20	73.64	280	860	280	860	0.94	18.49
	Language Proficiency NEP	670	429.55	87.64	280	860	280	711	0.87	31.52
	Language Proficiency LEP	4914	494.84	60.99	280	860	280	712	0.86	23.22
	Language Proficiency FEP	4955	563.09	58.53	280	860	280	860	0.91	17.23
	Not Migrant Or Immigrant	59952	561.86	75.31	280	860	280	860	0.94	18.83
	Migrant	146	490.51	82.62	280	860	280	638	0.89	26.92
	Immigrant	515	500.45	94.05	280	860	280	860	0.93	24.20
	Migrant and Immigrant	14	443.36	88.64	280	860	280	559	0.82	37.74
8	No Disability	54273	583.75	66.25	310	890	310	890	0.94	16.63
	Disability	5269	493.45	72.36	310	890	310	749	0.90	23.00
	No IEP	54265	583.75	66.25	310	890	310	890	0.94	16.63
	IEP	5263	493.37	72.33	310	890	310	749	0.90	23.01
	No Accommodation	48980	581.95	66.74	310	890	310	890	0.94	16.80
	Accommodation	6156	510.17	77.50	310	890	310	807	0.93	20.89
	Am. Indian/AK Native	516	547.34	70.43	310	890	310	699	0.93	19.31
	Asian/Pacific Islander	1863	609.45	76.11	310	890	310	890	0.95	17.53
	Black	2985	533.50	74.35	310	890	310	755	0.93	20.38
	Hispanic	18435	545.32	67.21	310	890	310	778	0.92	18.72
	White	33875	594.16	65.69	310	890	310	890	0.94	16.51
	Hawaiian/Pacific Islander	121	572.07	62.70	310	890	428	700	0.93	16.39
	Two or More Races	1745	585.06	70.25	310	890	310	890	0.94	17.07
	Not Free Lunch Eligible	35357	597.52	65.56	310	890	310	890	0.94	16.39
	Free Lunch Eligible	19720	539.34	68.00	310	890	310	787	0.92	19.44
	Reduced Lunch Eligible	4424	564.34	63.82	310	890	310	791	0.93	17.52
	Female	29239	576.64	67.65	310	890	310	890	0.94	16.92
	Male	30301	574.91	75.14	310	890	310	890	0.94	17.95
	Language Proficiency NA	49369	582.95	69.74	310	890	310	890	0.94	17.15
	Language Proficiency NEP	564	455.50	78.31	310	890	310	669	0.87	28.37
	Language Proficiency LEP	4203	508.01	57.04	310	890	310	729	0.86	21.57
	Language Proficiency FEP	5405	575.33	57.14	310	890	310	841	0.92	16.09
	Not Migrant Or Immigrant	58857	576.42	71.15	310	890	310	890	0.94	17.41
	Migrant	168	513.71	73.72	310	890	310	722	0.90	23.19
	Immigrant	488	519.23	86.47	310	890	310	791	0.94	22.11
	Migrant and Immigrant	13	519.38	83.47	310	890	315	611	0.90	25.89

Table 225. Subgroup Reliability for the TCAP Mathematics Tests (cont'd)

Grade	Subgroup	N	Mean	SD	Loss	Hoss	Min	Max	Alpha	SEM
9	No Disability	53984	583.65	67.28	340	920	340	866	0.93	17.47
	Disability	4926	485.03	77.12	340	920	340	728	0.88	27.13
	No IEP	53968	583.67	67.27	340	920	340	866	0.93	17.46
	IEP	4922	484.97	77.16	340	920	340	728	0.88	27.12
	No Accommodation	50707	579.24	69.09	340	920	340	866	0.93	17.93
	Accommodation	3944	495.13	83.47	340	920	340	768	0.91	25.02
	Am. Indian/AK Native	486	550.92	70.05	340	920	340	757	0.93	19.24
	Asian	1832	608.36	78.16	340	920	340	866	0.95	18.27
	Black	2860	533.88	77.16	340	920	340	741	0.92	22.44
	Hispanic	17855	542.96	72.12	340	920	340	866	0.92	21.00
	White	34027	593.90	65.67	340	920	340	836	0.93	17.10
	Hawaiian/Pacific Islander	152	567.47	67.87	340	920	340	719	0.92	18.79
	Two or More Races	1693	588.23	71.80	340	920	340	823	0.94	17.74
	Not Free Lunch Eligible	36799	595.19	66.89	340	920	340	866	0.93	17.19
	Free Lunch Eligible	18085	537.75	72.12	340	920	340	757	0.91	21.69
	Reduced Lunch Eligible	3970	564.08	67.04	340	920	340	745	0.92	19.12
	Female	28910	574.88	71.17	340	920	340	866	0.93	18.61
	Male	29994	575.92	75.52	340	920	340	866	0.94	18.64
	Language Proficiency NA	49268	582.51	71.05	340	920	340	866	0.94	18.10
	Language Proficiency NEP	694	451.25	78.73	340	920	340	677	0.83	32.88
	Language Proficiency LEP	3525	505.99	65.65	340	920	340	753	0.85	25.17
	Language Proficiency FEP	5422	571.82	59.43	340	920	340	760	0.91	17.56
	Not Migrant Or Immigrant	58204	576.16	72.89	340	920	340	866	0.94	18.54
	Migrant	154	510.51	77.67	340	920	340	736	0.90	24.69
	Immigrant	516	513.09	92.06	340	920	340	753	0.93	24.38
	Migrant and Immigrant	14	510.57	68.41	340	920	340	613	0.82	28.78
10	No Disability	52209	600.71	65.64	370	950	370	870	0.94	16.67
	Disability	4342	506.95	73.08	370	950	370	805	0.89	23.89
	No IEP	52203	600.71	65.64	370	950	370	870	0.94	16.67
	IEP	4340	506.93	73.08	370	950	370	805	0.89	23.89
	No Accommodation	49077	596.18	67.09	370	950	370	857	0.94	17.05
	Accommodation	3111	510.88	77.51	370	950	370	790	0.91	23.09
	Am. Indian/AK Native	495	568.72	68.21	370	950	370	720	0.92	19.31
	Asian/Pacific Islander	1810	621.29	76.39	370	950	370	831	0.95	17.61
	Black	2762	551.36	72.48	370	950	370	772	0.92	20.96
	Hispanic	16216	561.66	68.31	370	950	370	806	0.92	19.46
	White	33507	610.84	64.27	370	950	370	870	0.94	16.33
	Hawaiian/Pacific Islander	133	585.82	74.30	370	950	370	757	0.93	19.07
	Two or More Races	1624	603.08	69.90	370	950	370	805	0.94	17.28
	Not Free Lunch Eligible	36976	611.00	65.18	370	950	370	870	0.94	16.40
	Free Lunch Eligible	15889	555.99	69.23	370	950	370	791	0.92	20.21
	Reduced Lunch Eligible	3651	580.18	65.28	370	950	370	765	0.92	18.06
	Female	27824	592.76	66.20	370	950	370	818	0.93	17.10
	Male	28723	594.25	74.97	370	950	370	870	0.94	17.91
	Language Proficiency NA	48055	600.41	68.38	370	950	370	870	0.94	17.07
	Language Proficiency NEP	690	472.08	72.42	370	950	370	723	0.84	28.56
	Language Proficiency LEP	2936	524.43	60.83	370	950	370	759	0.85	23.23
	Language Proficiency FEP	4869	584.34	59.62	370	950	370	857	0.92	17.11
	Not Migrant Or Immigrant	55826	594.38	70.15	370	950	370	870	0.94	17.43
	Migrant	130	524.08	72.89	370	950	370	683	0.90	22.87
	Immigrant	562	527.38	88.60	370	950	370	811	0.93	23.20
	Migrant and Immigrant	16	491.50	73.75	370	950	370	600	0.72	38.94

Table 226. Subgroup Reliability for the TCAP Science Tests

Grade	Subgroup	N	Mean	SD	Loss	Hoss	Min	Max	Alpha	SEM
5	No Disability	56317	506.44	61.86	300	900	300	741	0.92	17.46
	Disability	6276	431.97	69.96	300	900	300	675	0.92	20.42
	No IEP	56315	506.44	61.86	300	900	300	741	0.92	17.46
	IEP	6272	431.97	69.95	300	900	300	675	0.92	20.42
	No Accommodation	48798	508.59	60.21	300	900	300	718	0.92	17.33
	Accommodation	9267	434.87	66.43	300	900	300	675	0.91	20.38
	Am. Indian/AK Native	521	474.58	65.15	300	900	300	654	0.92	18.60
	Asian	2011	512.30	70.79	300	900	300	689	0.94	18.07
	Black	2869	457.65	66.45	300	900	300	652	0.91	19.44
	Hispanic	20353	465.68	64.16	300	900	300	741	0.92	18.75
	White	34672	520.96	57.58	300	900	300	722	0.91	17.21
	Hawaiian/Pacific Islander	122	486.25	71.87	300	900	300	667	0.93	19.10
	Two or More Races	2045	509.47	62.87	300	900	300	681	0.92	17.72
	Not Free Lunch Eligible	34805	523.86	57.35	300	900	300	741	0.91	17.17
	Free Lunch Eligible	22969	463.31	63.96	300	900	300	681	0.91	18.94
	Reduced Lunch Eligible	4799	489.27	60.88	300	900	300	703	0.91	17.98
	Female	30875	498.29	64.97	300	900	300	741	0.93	17.85
	Male	31715	499.65	68.12	300	900	300	720	0.93	17.98
	Language Proficiency NA	50564	509.27	62.51	300	900	300	741	0.92	17.56
	Language Proficiency NEP	1120	375.89	61.74	300	900	300	589	0.87	22.55
	Language Proficiency LEP	7254	440.81	52.10	300	900	300	643	0.86	19.30
	Language Proficiency FEP	3655	509.69	48.75	300	900	300	689	0.88	16.91
8	Not Migrant Or Immigrant	61830	499.65	66.15	300	900	300	741	0.93	17.89
	Migrant	169	442.60	63.71	300	900	300	642	0.90	20.19
	Immigrant	567	445.79	81.33	300	900	300	657	0.94	20.10
	Migrant and Immigrant	20	389.80	76.06	300	900	300	516	0.92	21.91
	No Disability	54184	506.17	55.52	300	900	300	749	0.93	14.87
	Disability	5261	430.59	61.12	300	900	300	652	0.91	18.36
	No IEP	54180	506.16	55.53	300	900	300	749	0.93	14.87
	IEP	5252	430.54	61.10	300	900	300	652	0.91	18.37
	No Accommodation	50063	504.53	55.89	300	900	300	749	0.93	14.91
	Accommodation	4930	430.91	62.78	300	900	300	639	0.91	18.40
	Am. Indian/AK Native	511	476.54	56.98	300	900	300	621	0.92	16.05
	Asian/Pacific Islander	1862	516.40	64.57	300	900	300	668	0.94	15.77
	Black	2976	466.34	61.62	300	900	300	637	0.92	17.03
	Hispanic	18381	471.30	58.17	300	900	300	670	0.92	16.33
	White	33849	516.65	53.36	300	900	300	709	0.93	14.60
	Hawaiian/Pacific Islander	121	493.60	52.07	300	900	300	611	0.91	15.97
	Two or More Races	1743	508.84	56.91	300	900	300	749	0.93	14.99
	Not Free Lunch Eligible	35320	518.79	52.98	300	900	300	749	0.93	14.52
	Free Lunch Eligible	19673	467.06	58.63	300	900	300	662	0.92	16.73
	Reduced Lunch Eligible	4411	489.48	54.04	300	900	300	647	0.92	15.40
	Female	29209	500.60	57.67	300	900	300	749	0.93	15.13
	Male	30233	498.40	62.17	300	900	300	709	0.94	15.53
	Language Proficiency NA	49300	507.08	56.94	300	900	300	749	0.93	14.98
	Language Proficiency NEP	563	375.41	56.20	300	900	300	552	0.83	23.52
	Language Proficiency LEP	4183	430.88	47.78	300	900	300	625	0.84	18.90
	Language Proficiency FEP	5399	496.12	46.41	300	900	300	640	0.90	14.55
	Not Migrant Or Immigrant	58766	500.22	59.45	300	900	300	749	0.93	15.30
	Migrant	168	441.90	58.92	300	900	300	574	0.90	18.66
	Immigrant	484	431.29	75.99	300	900	300	647	0.94	19.28
	Migrant and Immigrant	12	439.25	81.11	300	900	300	530	0.94	20.27

Table 226. Subgroup Reliability for the TCAP Science Tests (cont'd)

Grade	Subgroup	N	Mean	SD	Loss	Hoss	Min	Max	Alpha	SEM
10	No Disability	52177	505.52	58.15	300	900	300	692	0.91	17.70
	Disability	4338	428.74	65.81	300	900	300	636	0.89	22.00
	No IEP	52177	505.51	58.15	300	900	300	692	0.91	17.70
	IEP	4332	428.73	65.81	300	900	300	636	0.89	22.00
	No Accommodation	49257	502.14	59.41	300	900	300	692	0.91	17.92
	Accommodation	2880	423.56	66.84	300	900	300	624	0.89	22.20
	Am. Indian/AK Native	495	481.38	57.36	300	900	300	603	0.89	19.05
	Asian	1815	508.11	66.52	300	900	300	674	0.92	18.52
	Black	2765	461.43	63.89	300	900	300	665	0.89	20.84
	Hispanic	16175	468.30	61.03	300	900	300	664	0.90	19.69
	White	33506	517.22	54.83	300	900	300	692	0.90	17.25
	Hawaiian/Pacific Islander	134	490.73	56.26	300	900	300	592	0.89	18.38
	Two or More Races	1622	510.45	59.21	300	900	300	681	0.91	17.77
	Not Free Lunch Eligible	36974	515.74	55.80	300	900	300	692	0.90	17.29
	Free Lunch Eligible	15856	464.83	62.51	300	900	300	644	0.90	20.16
	Reduced Lunch Eligible	3654	487.88	57.95	300	900	300	663	0.90	18.72
	Female	27808	498.91	58.00	300	900	300	691	0.90	18.04
	Male	28704	500.32	66.05	300	900	300	692	0.92	18.33
	Language Proficiency NA	48019	507.37	58.85	300	900	300	692	0.91	17.77
	Language Proficiency NEP	691	370.98	53.76	300	900	300	532	0.73	27.75
	Language Proficiency LEP	2937	426.62	50.69	300	900	300	583	0.80	22.92
	Language Proficiency FEP	4868	485.56	49.68	300	900	300	645	0.87	18.04
	Not Migrant Or Immigrant	55790	500.62	61.45	300	900	300	692	0.91	18.12
	Migrant	133	429.71	67.82	300	900	300	552	0.89	22.70
	Immigrant	564	420.21	73.95	300	900	300	644	0.91	22.14
	Migrant and Immigrant	16	419.69	61.75	300	900	300	485	0.81	26.73

Table 227. Subgroup Reliability for the TCAP Spanish Reading Tests

Grade	Subgroup	N	Mean	SD	Loss	Hoss	Min	Max	Alpha	SEM
3	No Disability	1091	523.53	44.85	300	740	300	652	0.86	16.64
	Disability	98	460.60	66.88	300	740	300	562	0.83	27.77
	No IEP	1091	523.53	44.85	300	740	300	652	0.86	16.64
	IEP	98	460.60	66.88	300	740	300	562	0.83	27.77
	No Accommodation	963	523.47	47.76	300	740	300	652	0.87	17.26
	Accommodation	224	495.87	53.76	300	740	300	599	0.85	20.54
	Am. Indian/AK Native	3	505.67	80.53	300	740	431	591	.	.
	Asian	.	.	.	.	.	.	.	.	.
	Black	.	.	.	.	.	.	.	.	.
	Hispanic	1185	518.34	50.06	300	740	300	652	0.87	17.90
	White	1	561.00	.	300	740	561	561	.	.
	Hawaiian/Pacific Islander	.	.	.	.	.	.	.	.	.
	Two or More Races	.	.	.	.	.	.	.	.	.
	Not Free Lunch Eligible	54	521.59	55.99	300	740	300	626	0.89	18.27
	Free Lunch Eligible	1064	517.35	50.07	300	740	300	652	0.87	18.00
	Reduced Lunch Eligible	71	530.75	44.51	300	740	431	631	0.88	15.59
	Female	578	527.22	44.18	300	740	300	642	0.87	16.01
	Male	611	509.94	53.82	300	740	300	652	0.87	19.37
	Language Proficiency NA	5	517.00	68.91	300	740	452	626	.	.
	Language Proficiency NEP	543	491.88	52.35	300	740	300	610	0.84	20.70
	Language Proficiency LEP	637	540.50	34.72	300	740	430	652	0.81	15.13
	Language Proficiency FEP	4	582.75	21.64	300	740	556	607	.	.
4	Not Migrant Or Immigrant	1110	518.50	49.31	300	740	300	652	0.87	17.70
	Migrant	4	506.00	35.05	300	740	458	540	.	.
	Immigrant	72	514.89	62.08	300	740	300	631	0.89	20.41
	Migrant and Immigrant	3	557.33	35.25	300	740	527	596	.	.
	No Disability	90	516.03	46.38	300	790	409	626	0.94	11.69
	Disability	1	445.00	.	300	790	445	445	.	.
	No IEP	90	516.03	46.38	300	790	409	626	0.94	11.69
	IEP	1	445.00	.	300	790	445	445	.	.
	No Accommodation	69	517.81	48.37	300	790	409	626	0.94	11.40
	Accommodation	20	507.55	40.77	300	790	424	595	0.91	12.53
	Am. Indian/AK Native	.	.	.	.	.	.	.	.	.
	Asian/Pacific Islander	.	.	.	.	.	.	.	.	.
	Black	.	.	.	.	.	.	.	.	.
	Hispanic	91	515.25	46.72	300	790	409	626	0.94	11.64
	White	.	.	.	.	.	.	.	.	.
	Hawaiian/Pacific Islander	.	.	.	.	.	.	.	.	.
	Two or More Races	.	.	.	.	.	.	.	.	.
	Not Free Lunch Eligible	11	541.45	46.41	300	790	437	601	0.94	11.18
	Free Lunch Eligible	76	511.96	46.61	300	790	409	626	0.94	11.75
	Reduced Lunch Eligible	4	505.75	32.92	300	790	467	546	.	.
	Female	45	525.16	51.01	300	790	424	626	0.95	11.55
	Male	46	505.57	40.34	300	790	409	598	0.92	11.69
4	Language Proficiency NA	2	471.50	88.39	300	790	409	534	.	.
	Language Proficiency NEP	79	517.20	45.01	300	790	414	626	0.94	11.48
	Language Proficiency LEP	9	518.00	47.57	300	790	456	592	0.95	10.72
	Language Proficiency FEP	1	424.00	.	300	790	424	424	.	.
	Not Migrant Or Immigrant	63	513.75	45.49	300	790	414	626	0.93	11.73
	Migrant	1	570.00	.	300	790	570	570	.	.
	Immigrant	27	516.74	49.97	300	790	409	606	0.95	11.54
	Migrant and Immigrant	.	.	.	.	.	.	.	.	.

Table 228. Subgroup Reliability for the TCAP Spanish Writing Tests

Grade	Subgroup	N	Mean	SD	Loss	Hoss	Min	Max	Alpha	SEM
3	No Disability	1101	517.38	69.79	250	750	250	750	0.91	21.50
	Disability	98	444.12	63.09	250	750	250	613	0.88	22.27
	No IEP	1101	517.38	69.79	250	750	250	750	0.91	21.50
	IEP	98	444.12	63.09	250	750	250	613	0.88	22.27
	No Accommodation	972	519.83	69.80	250	750	250	750	0.90	21.66
	Accommodation	223	476.07	70.31	250	750	250	653	0.91	21.07
	Am. Indian/AK Native	3	539.00	97.87	250	750	481	652	.	.
	Asian	.	.	.	.	.	.	.	.	.
	Black	.	.	.	.	.	.	.	.	.
	Hispanic	1195	511.33	72.09	250	750	250	750	0.91	21.48
	White	1	500.00	.	250	750	500	500	.	.
	Hawaiian/Pacific Islander	.	.	.	.	.	.	.	.	.
	Two or More Races	.	.	.	.	.	.	.	.	.
	Not Free Lunch Eligible	53	507.94	86.21	250	750	294	651	0.94	20.94
	Free Lunch Eligible	1071	510.63	71.68	250	750	250	750	0.91	21.64
	Reduced Lunch Eligible	75	524.77	66.63	250	750	366	675	0.91	19.77
	Female	582	525.32	70.08	250	750	250	750	0.90	21.74
	Male	617	498.26	71.55	250	750	250	750	0.91	21.36
	Language Proficiency NA	4	459.25	95.32	250	750	348	581	.	.
	Language Proficiency NEP	550	473.18	66.14	250	750	250	664	0.90	21.28
	Language Proficiency LEP	641	543.96	59.56	250	750	344	750	0.85	22.83
	Language Proficiency FEP	4	598.75	29.74	250	750	560	629	.	.
4	Not Migrant Or Immigrant	1120	511.96	70.39	250	750	250	750	0.91	21.40
	Migrant	4	480.25	36.05	250	750	435	521	.	.
	Immigrant	72	501.96	96.19	250	750	250	713	0.95	22.44
	Migrant and Immigrant	3	569.00	26.85	250	750	538	585	.	.
	No Disability	90	497.58	45.78	300	790	392	624	0.87	16.29
	Disability	1	419.00	.	300	790	419	419	.	.
	No IEP	90	497.58	45.78	300	790	392	624	0.87	16.29
	IEP	1	419.00	.	300	790	419	419	.	.
	No Accommodation	67	496.79	47.81	300	790	392	624	0.89	16.01
	Accommodation	22	501.73	40.01	300	790	395	570	0.85	15.72
	Am. Indian/AK Native	.	.	.	.	.	.	.	.	.
	Asian/Pacific Islander	.	.	.	.	.	.	.	.	.
	Black	.	.	.	.	.	.	.	.	.
	Hispanic	91	496.71	46.26	300	790	392	624	0.88	16.14
	White	.	.	.	.	.	.	.	.	.
	Hawaiian/Pacific Islander	.	.	.	.	.	.	.	.	.
	Two or More Races	.	.	.	.	.	.	.	.	.
	Not Free Lunch Eligible	11	517.82	49.34	300	790	421	598	0.89	16.24
	Free Lunch Eligible	76	493.16	46.27	300	790	392	624	0.88	16.27
	Reduced Lunch Eligible	4	506.25	22.19	300	790	478	532	.	.
	Female	44	508.55	46.99	300	790	395	624	0.88	15.98
	Male	47	485.64	43.18	300	790	392	570	0.86	16.24
	Language Proficiency NA	2	464.50	102.50	300	790	392	537	.	.
	Language Proficiency NEP	79	495.94	42.42	300	790	395	624	0.86	15.70
	Language Proficiency LEP	9	514.89	66.35	300	790	418	598	0.93	18.15
	Language Proficiency FEP	1	459.00	.	300	790	459	459	.	.
	Not Migrant Or Immigrant	63	489.94	44.11	300	790	395	581	0.87	16.18
	Migrant	1	533.00	.	300	790	533	533	.	.
	Immigrant	27	511.19	48.89	300	790	392	624	0.90	15.50
	Migrant and Immigrant	.	.	.	.	.	.	.	.	.

Table 229. Scale Scores by Accommodation and Disability Classification

Content Area	Grade	Disability Classification	Accommodation					
			No Accommodation			Accommodation		
			N	Mean	SD	N	Mean	SD
Reading	3	No Disability	50879	578.88	60.58	6461	516.35	70.36
		Disability	2191	515.57	91.72	3578	449.45	99.76
		No IEP	50870	578.88	60.58	6462	516.38	70.35
		IEP	2187	515.50	91.76	3577	449.38	99.75
	4	No Disability	49373	601.65	48.11	7437	552.42	61.96
		Disability	1822	541.14	83.23	4281	492.20	91.11
		No IEP	49370	601.65	48.11	7438	552.42	61.95
		IEP	1817	541.05	83.31	4280	492.19	91.12
	5	No Disability	49323	626.96	54.22	6767	573.76	67.08
		Disability	1708	558.51	86.90	4526	508.45	95.04
		No IEP	49318	626.97	54.22	6767	573.78	67.08
		IEP	1707	558.47	86.90	4526	508.43	95.03
	6	No Disability	51240	641.92	51.43	4675	590.78	66.00
		Disability	1850	567.87	77.83	4014	534.53	80.79
		No IEP	51239	641.92	51.43	4676	590.79	66.00
		IEP	1846	567.76	77.85	4014	534.43	80.89
	7	No Disability	51750	652.49	54.58	3211	597.49	72.93
		Disability	2169	577.02	77.23	3434	541.81	78.94
		No IEP	51752	652.49	54.58	3212	597.49	72.92
		IEP	2165	577.03	77.28	3432	541.79	78.95
	8	No Disability	51253	660.24	52.41	2969	616.50	66.06
		Disability	2037	590.28	68.54	3219	567.71	69.09
		No IEP	51243	660.24	52.41	2971	616.53	66.05
		IEP	2033	590.19	68.47	3217	567.65	69.06
	9	No Disability	52960	666.83	45.10	1247	621.89	58.96
		Disability	2583	603.94	53.75	2338	595.12	55.10
		No IEP	52946	666.83	45.11	1251	621.87	58.96
		IEP	2580	603.97	53.74	2333	595.04	55.07
	10	No Disability	50915	688.02	48.06	1067	641.41	66.09
		Disability	2362	620.50	62.21	1959	612.90	62.93
		No IEP	50913	688.02	48.06	1068	641.45	66.07
		IEP	2360	620.37	62.16	1958	612.87	62.93

Table 229. Scale Scores by Accommodation and Disability Classification (cont'd)

Content Area	Grade	Disability Classification	Accommodation					
			No Accommodation			Accommodation		
			N	Mean	SD	N	Mean	SD
Writing	3	No Disability	50231	477.21	44.50	7116	435.36	43.64
		Disability	1710	442.88	49.50	4051	401.01	48.28
		No IEP	50223	477.21	44.50	7118	435.35	43.64
		IEP	1704	442.86	49.53	4049	401.01	48.29
	4	No Disability	48563	494.51	45.54	8199	458.18	43.72
		Disability	1436	453.98	46.70	4685	422.18	44.99
		No IEP	48560	494.51	45.55	8200	458.17	43.72
		IEP	1431	453.96	46.75	4684	422.18	44.99
	5	No Disability	48936	521.27	52.70	7333	479.29	51.76
		Disability	1345	471.89	52.32	4919	438.68	49.94
		No IEP	48931	521.27	52.71	7333	479.30	51.76
		IEP	1344	471.86	52.33	4919	438.67	49.93
	6	No Disability	51011	532.67	56.33	4868	486.97	58.84
		Disability	1489	470.34	57.15	4371	446.33	51.90
		No IEP	51011	532.67	56.33	4868	486.95	58.86
		IEP	1485	470.25	57.16	4371	446.30	51.92
	7	No Disability	51394	569.63	65.37	3536	520.38	66.29
		Disability	1773	497.13	59.58	3853	473.81	56.23
		No IEP	51396	569.63	65.37	3537	520.38	66.28
		IEP	1769	497.21	59.58	3851	473.81	56.25
	8	No Disability	51233	574.83	65.48	2827	523.22	74.32
		Disability	1881	496.41	60.47	3366	478.22	57.84
		No IEP	51223	574.84	65.48	2829	523.24	74.29
		IEP	1877	496.28	60.35	3364	478.17	57.83
	9	No Disability	52722	574.85	70.37	1378	507.80	80.37
		Disability	2335	484.67	62.95	2600	474.09	62.69
		No IEP	52709	574.85	70.38	1381	507.81	80.30
		IEP	2331	484.58	62.95	2596	474.04	62.71
	10	No Disability	50877	584.68	72.23	1174	510.49	87.31
		Disability	2254	494.07	65.13	2066	483.93	61.84
		No IEP	50875	584.68	72.23	1175	510.54	87.29
		IEP	2252	493.89	65.00	2065	483.89	61.82

Table 229. Scale Scores by Accommodation and Disability Classification (cont'd)

Content Area	Grade	Disability Classification	Accommodation					
			No Accommodation			Accommodation		
			N	Mean	SD	N	Mean	SD
Mathematics	3	No Disability	51278	482.19	82.05	7261	402.67	76.87
		Disability	1801	436.23	91.52	4090	352.98	88.19
		No IEP	51269	482.20	82.04	7265	402.61	76.88
		IEP	1797	436.18	91.59	4085	353.01	88.22
	4	No Disability	50437	511.94	70.78	6466	443.04	71.13
		Disability	1639	462.75	85.58	4499	394.17	79.62
		No IEP	50433	511.95	70.79	6467	443.03	71.12
		IEP	1634	462.74	85.66	4498	394.17	79.63
	5	No Disability	50405	533.79	66.53	5886	472.50	67.34
		Disability	1584	478.59	77.27	4686	420.27	71.93
		No IEP	50403	533.79	66.53	5887	472.47	67.36
		IEP	1582	478.58	77.31	4685	420.29	71.93
	6	No Disability	51781	550.26	64.57	3909	489.48	72.87
		Disability	1702	484.57	78.22	4180	436.17	76.46
		No IEP	51781	550.25	64.57	3909	489.51	72.87
		IEP	1701	484.52	78.22	4180	436.10	76.47
	7	No Disability	51892	573.25	67.85	3097	518.09	75.03
		Disability	1910	499.65	77.38	3731	459.84	76.62
		No IEP	51893	573.24	67.85	3098	518.19	75.08
		IEP	1907	499.70	77.38	3729	459.73	76.52
	8	No Disability	51449	586.10	64.90	2824	541.00	75.42
		Disability	1938	509.63	74.79	3331	484.03	69.20
		No IEP	51440	586.10	64.90	2825	541.02	75.42
		IEP	1933	509.51	74.77	3330	483.99	69.18
	9	No Disability	52628	584.95	66.42	1356	533.30	79.88
		Disability	2338	495.99	74.44	2588	475.13	78.18
		No IEP	52611	584.96	66.42	1357	533.45	79.68
		IEP	2335	495.98	74.46	2587	475.03	78.22
	10	No Disability	51109	602.03	64.71	1100	539.40	78.37
		Disability	2331	517.01	72.13	2011	495.28	72.44
		No IEP	51102	602.03	64.71	1101	539.36	78.34
		IEP	2330	516.97	72.13	2010	495.29	72.46

Table 229. Scale Scores by Accommodation and Disability Classification (cont'd)

Content Area	Grade	Disability Classification	Accommodation					
			No Accommodation			Accommodation		
			N	Mean	SD	N	Mean	SD
Science	5	No Disability	51550	511.72	58.97	4767	449.36	63.57
		Disability	1776	463.52	69.93	4500	419.51	65.95
		No IEP	51546	511.72	58.97	4769	449.32	63.59
		IEP	1774	463.47	69.96	4498	419.54	65.95
	8	No Disability	52279	508.15	54.06	1905	451.69	66.42
		Disability	2237	447.87	62.74	3024	417.81	56.59
		No IEP	52272	508.15	54.06	1908	451.71	66.41
		IEP	2232	447.85	62.74	3020	417.74	56.57
	10	No Disability	51200	506.83	57.08	977	436.49	70.59
		Disability	2435	437.98	65.85	1903	416.92	63.84
		No IEP	51197	506.83	57.08	980	436.39	70.54
		IEP	2432	437.93	65.84	1900	416.95	63.87
Reading Spanish	3	No Disability	919	526.67	44.06	172	506.71	45.37
		Disability	46	461.28	71.25	52	460.00	63.47
		No IEP	919	526.67	44.06	172	506.71	45.37
		IEP	46	461.28	71.25	52	460.00	63.47
	4	No Disability	70	518.46	47.85	20	507.55	40.77
		Disability	1	445.00	.	.	.	.
		No IEP	70	518.46	47.85	20	507.55	40.77
		IEP	1	445.00	.	.	.	.
Writing Spanish	3	No Disability	942	521.57	69.33	159	492.59	67.53
		Disability	34	461.26	66.32	64	435.02	59.85
		No IEP	942	521.57	69.33	159	492.59	67.53
		IEP	34	461.26	66.32	64	435.02	59.85
	4	No Disability	68	496.24	47.69	22	501.73	40.01
		Disability	1	419.00	.	.	.	.
		No IEP	68	496.24	47.69	22	501.73	40.01
		IEP	1	419.00	.	.	.	.

Table 230. Overall Estimates of Standard Error of Measurement

Content Area	Grade	SEM
Reading	3	24.50
	4	15.77
	5	17.67
	6	16.29
	7	17.32
	8	16.35
	9	13.85
	10	14.47
Writing	3	14.95
	4	15.20
	5	16.64
	6	18.28
	7	20.32
	8	21.07
	9	21.14
	10	22.28
Mathematics	3	25.44
	4	18.74
	5	17.83
	6	18.02
	7	18.93
	8	17.41
	9	18.52
	10	17.55
Science	5	17.93
	8	15.38
	10	18.31
Reading Spanish	3	17.88
	4	11.64
Writing Spanish	3	21.50
	4	16.14

Table 231. Reading Scale Scores and Associated Standard Errors

RD 3		RD 4		RD 5		RD 6		RD 7		RD 8		RD 9		RD 10	
SS	SE	SS	SE	SS	SE	SS	SE	SS	SE	SS	SE	SS	SE	SS	SE
150	229														
175	204	180	200												
200	179	200	180	220	198										
225	154	225	155	225	193										
250	131	250	130	250	168	260	182								
275	111	275	108	275	143	275	167								
300	93	300	89	300	119	300	142	300	123						
325	76	325	72	325	98	325	118	325	102	330	113				
350	61	350	58	350	79	350	96	350	84	350	97	350	125	370	150
375	49	375	46	375	63	375	77	375	69	375	80	375	101	375	145
400	38	400	36	400	50	400	61	400	56	400	66	400	80	400	120
425	30	425	29	425	39	425	46	425	45	425	54	425	63	425	95
450	24	450	24	450	31	450	35	450	36	450	43	450	49	450	73
475	21	475	20	475	25	475	26	475	28	475	35	475	37	475	55
500	19	500	16	500	21	500	20	500	22	500	28	500	28	500	42
525	18	525	13	525	17	525	16	525	18	525	22	525	21	525	31
550	18	550	11	550	14	550	14	550	15	550	18	550	16	550	23
575	19	575	11	575	13	575	12	575	14	575	15	575	14	575	17
600	21	600	12	600	12	600	12	600	13	600	14	600	12	600	13
625	24	625	13	625	13	625	12	625	13	625	13	625	11	625	11
650	27	650	15	650	14	650	13	650	14	650	13	650	11	650	11
675	31	675	18	675	15	675	15	675	15	675	13	675	11	675	11
700	36	700	22	700	17	700	16	700	17	700	14	700	12	700	11
725	41	725	27	725	20	725	19	725	20	725	16	725	13	725	12
750	47	750	33	750	23	750	23	750	23	750	19	750	15	750	14
775	54	775	40	775	28	775	28	775	27	775	23	775	18	775	17
795	60	800	48	800	33	800	34	800	32	800	27	800	23	800	20
		825	58	825	39	825	39	825	39	825	34	825	30	825	25
		850	69	850	46	850	46	850	46	850	41	850	39	850	32
		875	83	875	55	875	54	875	55	875	50	875	51	875	40
		900	100	900	65	900	64	900	65	900	60	900	65	900	49
		925	119	925	77	925	76	925	77	925	71	925	83	925	61
		940	133	950	92	950	91	950	91	950	84	950	107	950	76
				955	95	970	106	975	107	975	99	975	132	975	93
								980	110	990	109	995	152	999	113

Table 232. Writing Scale Scores and Associated Standard Errors

WR 3		WR 4		WR 5		WR 6		WR 7		WR 8		WR 9		WR 10	
SS	SE	SS	SE	SS	SE	SS	SE	SS	SE	SS	SE	SS	SE	SS	SE
150	104														
175	80	190	83												
200	62	200	76	220	57										
225	49	225	62	225	55	230	58	240	49						
250	40	250	50	250	44	250	50	250	46	250	49	260	48	270	46
275	33	275	39	275	36	275	41	275	40	275	42	275	43	275	45
300	27	300	30	300	30	300	34	300	36	300	36	300	36	300	40
325	21	325	22	325	25	325	27	325	32	325	32	325	32	325	36
350	17	350	18	350	21	350	23	350	30	350	29	350	29	350	33
375	14	375	15	375	19	375	21	375	28	375	26	375	27	375	30
400	12	400	13	400	17	400	19	400	25	400	24	400	25	400	27
425	11	425	12	425	15	425	16	425	22	425	22	425	23	425	22
450	11	450	12	450	13	450	14	450	19	450	20	450	21	450	18
475	13	475	12	475	12	475	14	475	15	475	17	475	18	475	15
500	16	500	14	500	13	500	14	500	14	500	16	500	15	500	14
525	20	525	16	525	15	525	15	525	14	525	15	525	14	525	15
550	26	550	19	550	18	550	17	550	15	550	16	550	15	550	17
575	35	575	23	575	21	575	19	575	18	575	18	575	17	575	19
600	47	600	28	600	25	600	22	600	22	600	20	600	20	600	21
625	65	625	35	625	30	625	26	625	26	625	23	625	23	625	23
650	89	650	44	650	37	650	31	650	29	650	25	650	26	650	25
675	114	675	55	675	45	675	37	675	32	675	29	675	30	675	28
680	119	700	68	700	56	700	44	700	35	700	33	700	33	700	32
		725	83	725	69	725	53	725	39	725	39	725	38	725	37
		730	87	750	85	750	63	750	45	750	46	750	44	750	43
				775	104	775	75	775	51	775	54	775	51	775	50
						800	88	800	59	800	63	800	59	800	59
						825	104	825	69	825	75	825	69	825	68
						840	114	850	81	850	88	850	79	850	80
								875	96	875	103	875	90	875	93
								890	106	900	121	900	103	900	107
										910	129	925	117	925	124
												930	121	950	144

Table 233. Mathematics Scale Scores and Associated Standard Errors

MA 3		MA 4		MA 5		MA 6		MA 7		MA 8		MA 9		MA 10	
SS	SE	SS	SE	SS	SE	SS	SE	SS	SE	SS	SE	SS	SE	SS	SE
150	94														
175	80	180	61												
200	68	200	53	220	72										
225	57	225	45	225	69	240	77								
250	48	250	38	250	56	250	72								
275	41	275	33	275	45	275	61	280	90						
300	35	300	29	300	37	300	51	300	78	310	88				
325	30	325	25	325	31	325	42	325	64	325	77	340	95		
350	26	350	22	350	26	350	35	350	52	350	62	350	87	370	77
375	23	375	19	375	22	375	29	375	43	375	49	375	69	375	74
400	21	400	17	400	19	400	25	400	35	400	40	400	55	400	60
425	20	425	15	425	17	425	21	425	29	425	32	425	45	425	49
450	19	450	14	450	15	450	19	450	25	450	27	450	36	450	40
475	20	475	14	475	14	475	17	475	22	475	24	475	30	475	33
500	21	500	14	500	14	500	15	500	20	500	21	500	25	500	27
525	24	525	16	525	14	525	14	525	18	525	18	525	21	525	22
550	27	550	18	550	14	550	13	550	15	550	15	550	17	550	18
575	31	575	20	575	15	575	13	575	13	575	13	575	14	575	15
600	36	600	24	600	17	600	13	600	12	600	12	600	12	600	12
625	43	625	29	625	20	625	15	625	12	625	11	625	11	625	11
650	52	650	35	650	23	650	18	650	13	650	12	650	11	650	11
675	64	675	44	675	29	675	22	675	16	675	14	675	11	675	11
700	78	700	54	700	37	700	27	700	19	700	17	700	13	700	13
		725	67	725	47	725	35	725	24	725	21	725	17	725	15
		750	82	750	58	750	44	750	29	750	25	750	22	750	19
		775	100	775	72	775	56	775	35	775	31	775	28	775	24
		780	104	800	89	800	70	800	43	800	38	800	37	800	31
						825	87	825	52	825	46	825	47	825	38
						830	91	850	62	850	57	850	59	850	48
								860	67	875	68	875	73	875	60
										890	76	900	91	900	74
												920	107	925	93
														950	115

Table 234. Science Scale Scores and Associated Standard Errors

SC 5		SC 8		SC 10	
SS	SE	SS	SE	SS	SE
300	44	300	53	300	56
325	36	325	42	325	45
350	30	350	33	350	36
375	25	375	27	375	29
400	21	400	21	400	23
425	18	425	17	425	19
450	16	450	14	450	17
475	15	475	13	475	15
500	14	500	12	500	14
525	15	525	12	525	14
550	15	550	12	550	13
575	16	575	14	575	13
600	18	600	16	600	14
625	21	625	18	625	16
650	25	650	21	650	18
675	31	675	26	675	21
700	37	700	31	700	27
725	45	725	37	725	35
750	55	750	45	750	42
775	66	775	55	775	51
800	79	800	66	800	60
825	94	825	80	825	70
850	111	850	96	850	81
875	130	875	114	875	92
900	151	900	136	900	104

Table 235. Spanish Reading and Writing Scale Scores and Associated Standard Errors

SP RD 3		SP RD 4		SP WR 3		SP WR 4	
SS	SE	SS	SE	SS	SE	SS	SE
				250	64		
				275	50		
300	128	300	101	300	39	300	62
325	103	325	80	325	30	325	47
350	78	350	62	350	24	350	36
375	56	375	48	375	20	375	28
400	39	400	35	400	18	400	22
425	26	425	25	425	17	425	19
450	17	450	18	450	17	450	17
475	13	475	13	475	17	475	15
500	12	500	10	500	18	500	13
525	12	525	9	525	20	525	11
550	14	550	9	550	22	550	11
575	16	575	10	575	24	575	12
600	19	600	12	600	26	600	15
625	24	625	15	625	29	625	20
650	32	650	22	650	33	650	26
675	42	675	30	675	40	675	32
700	55	700	38	700	50	700	41
725	69	725	48	725	64	725	51
740	79	750	58	750	81	750	63
		775	69			775	78
		790	76			790	88

Table 236. Cut Scores for the 2012 TCAP Tests

Content Area	Grade	Unsatisfactory	Partially Proficient	Proficient	Advanced
Reading	3	150-465	466-525	526-655	656-795
	4	180-516	517-571	572-670	671-940
	5	220-537	538-587	588-690	691-955
	6	260-542	543-599	600-695	696-970
	7	300-566	567-619	620-715	716-980
	8	330-577	578-631	632-723	724-990
	9	350-584	585-641	642-738	739-995
	10	370-606	607-662	663-746	747-999
Writing	3	150-392	393-464	465-532	533-680
	4	190-413	414-484	485-553	554-730
	5	220-417	418-497	498-575	576-780
	6	230-422	423-512	513-599	600-840
	7	240-429	430-538	539-628	629-890
	8	250-433	434-555	556-650	651-910
	9	260-435	436-562	563-671	672-930
	10	270-458	459-577	578-689	690-950
Mathematics	3	150-334	335-418	419-509	510-700
	4	180-382	383-454	455-537	538-780
	5	220-421	422-493	494-561	562-800
	6	240-453	454-519	520-588	589-830
	7	280-486	487-558	559-613	614-860
	8	310-520	521-576	577-627	628-890
	9	340-547	548-601	602-651	652-920
	10	370-561	562-626	627-691	692-950
Science	5	300-428	429-507	508-568	569-900
	8	300-458	459-506	507-578	579-900
	10	300-468	469-506	507-580	581-900
Reading Spanish	3	300-481	482-512	513-575	576-740
	4	300-505	506-536	537-591	592-790
Writing Spanish	3	250-447	448-498	499-574	575-750
	4	300-495	496-531	532-595	596-790

Table 237. Alignment Summary, Reading and Writing

Grade	Score Reporting Category (SRC)	Number of items in the SRC	Number of PI	Number of PI Assessed	% of PI Assessed
3	1	40	7	6	86%
	2	21	5	2	40%
	3	32	5	5	100%
4	1	28	8	6	75%
	2	21	5	4	80%
	3	32	5	5	100%
	4	13	5	5	100%
	5	15	6	3	50%
	6	13	4	3	75%
5	1	25	7	6	86%
	2	21	7	6	86%
	3	32	5	5	100%
	4	16	5	5	100%
	5	17	7	6	86%
	6	12	4	2	50%
6	1	28	7	5	71%
	2	21	7	5	71%
	3	32	5	5	100%
	4	12	5	5	100%
	5	18	7	5	71%
	6	12	4	3	75%
7	1	22	9	6	67%
	2	21	8	7	88%
	3	32	6	5	83%
	4	15	5	3	60%
	5	15	7	5	71%
	6	17	4	4	100%
8	1	24	7	4	57%
	2	21	7	5	71%
	3	32	6	5	83%
	4	16	5	5	100%
	5	15	6	5	83%
	6	14	4	4	100%
9	1	25	7	6	86%
	2	21	8	5	63%
	3	32	6	5	83%
	4	14	5	4	80%
	5	16	6	5	83%
	6	13	5	4	80%

Table 237. Alignment Summary, Reading and Writing (cont'd)

Grade	Score Reporting Category (SRC)	Number of items in the SRC	Number of PI	Number of PI Assessed	% of PI Assessed
10	1	21	7	5	71%
	2	21	8	5	63%
	3	32	5	5	100%
	4	17	6	4	67%
	5	17	6	5	83%
	6	13	4	4	100%

Table 238. Alignment Summary, Mathematics

Grade	Score Reporting Category (SRC)	Number of items in the SRC	Number of PI	Number of PI Assessed	% of PI Assessed
3	1	8	13	8	62%
	2/3	11	10	7	70%
	4/5	14	15	12	80%
	6	7	9	7	78%
4	1	14	11	9	82%
	2	9	6	5	83%
	3	11	6	5	83%
	4/5	21	15	12	80%
	6	14	10	8	80%
5	1	16	13	12	92%
	2	12	7	5	71%
	3	11	15	8	53%
	4/5	14	22	11	50%
	6	16	12	9	75%
6	1	12	8	8	100%
	2	10	6	6	100%
	3	11	9	8	89%
	4/5	16	17	13	76%
	6	11	8	6	75%
7	1/6	19	18	14	78%
	2	12	5	5	100%
	3	12	9	8	89%
	4/5	17	14	11	79%
8	1/6	14	10	8	80%
	2	15	6	6	100%
	3	12	9	8	89%
	4/5	18	11	10	91%
9	1/6	12	9	7	78%
	2	17	12	10	83%
	3	15	14	10	71%
	4/5	15	9	8	89%
10	1/6	14	10	8	80%
	2	17	14	10	71%
	3	15	22	11	50%
	4/5	14	17	8	47%

Table 239. Alignment Summary, Science

Grade	Score Reporting Category (SRC)	Number of items in the SRC	Number of PI	Number of PI Assessed	% of PI Assessed
5	1/5	30	11	10	91%
	2	15	16	11	69%
	3	15	13	10	77%
	4	15	13	9	69%
8	1/5	34	22	15	68%
	2	17	27	14	52%
	3	17	24	12	50%
	4	15	24	14	58%
10	1/5	33	24	17	71%
	2	17	14	11	79%
	3	17	28	17	61%
	4	15	19	13	68%

Table 240. Alignment Summary, Spanish Reading and Writing

Grade	Score Reporting Category (SRC)	Number of items in the SRC	Number of PI	Number of PI Assessed	% of PI Assessed
3	1	40	7	5	71%
	2	21	4	1	25%
	3	32	5	5	100%
4	1	31	8	6	75%
	2	19	5	4	80%
	3	34	5	4	80%
	4	14	5	5	100%
	5	13	6	3	50%
	6	12	4	3	75%

Table 241. Items Flagged for DIF by Ethnicity Focal Group

Content Area	Grade	Item #	Item Type	Ethnicity Focal Group ¹																	
				Am. Indian/ AK Native			Asian			Black			Hispanic			Hawaiian/ Pacific Islander			Two or More Races		
				Flag	N	Obs- Prd	Flag	N	Obs- Prd	Flag	N	Obs- Prd	Flag	N	Obs- Prd	Flag	N	Obs- Prd	Flag	N	Obs- Prd
R E A D I N G	3	12	MC													*	150	-0.107			
	3	39	CR				+	2109	0.118												
	4	6	CR	*	475	-0.106															
	4	25	CR				+	2108	0.100												
	4	27	MC													*	113	-0.106			
	4	44	CR	+	475	0.117															
	4	95	CR	*	475	-0.106															
	4	114	MC				+	2108	0.100												
	6	6	CR				+	1922	0.118												
	6	11	CR				+	1922	0.206				+	20079	0.102						
	6	47	CR				+	1922	0.157												
	6	97	MC				+	1922	0.118												
	6	102	MC				+	1922	0.206				+	20079	0.102						
	7	13	CR							+	2966	0.112									
	7	25	CR				+	1860	0.105							+	154	0.176			
	7	42	CR				*	1860	-0.132												
	7	103	MC							+	2966	0.112									
	7	115	MC				+	1860	0.105							+	154	0.176			
	8	10	CR				+	1860	0.171							+	121	0.206			
	8	30	CR				+	1860	0.144												
	8	34	MC													*	121	-0.105			
	8	48	CR				+	1860	0.136												
	8	54	CR				+	1860	0.123												
	8	105	MC				+	1860	0.171							+	121	0.206			
	9	6	MC				*	1841	-0.133												
	9	24	CR				+	1841	0.110												
	9	27	CR				+	1841	0.180				+	17840	0.103						
	9	97	MC				*	1841	-0.133												

1. DIF is not reported for N less than 100. Flag + = favoring and * = disfavoring

Table 241. Items Flagged for DIF by Ethnicity Focal Group (cont'd)

Content Area	Grade	Item #	Item Type	Ethnicity Focal Group ¹																	
				Am. Indian/ AK Native			Asian			Black			Hispanic			Hawaiian/ Pacific Islander			Two or More Races		
				Flag	N	Obs- Prd	Flag	N	Obs- Prd	Flag	N	Obs- Prd	Flag	N	Obs- Prd	Flag	N	Obs- Prd	Flag	N	Obs- Prd
R E A D I N G	9	115	CR				+	1841	0.110												
	10	13	CR				+	1802	0.112												
	10	21	CR				+	1802	0.105												
	10	30	CR				+	1802	0.204	+	2738	0.102	+	16125	0.118						
	10	31	CR				+	1802	0.141												
	10	39	MC													*	133	-0.162			
	10	47	CR							*	2738	-0.108									
	10	51	CR				+	1802	0.140												
	10	105	MC				+	1802	0.112												
	10	113	MC				+	1802	0.105												
W R I T I N G	3	1C	CR				+	2101	0.100												
	4	76	MC													*	113	-0.121			
	6	2D	CR													+	126	0.107			
	6	3A	CR													*	126	-0.188			
	6	81	MC													+	126	0.116			
	7	53	MC				*	1850	-0.111												
	7	57	MC													*	154	-0.110			
	8	2A	CR													+	121	0.109			
	8	91	MC													*	121	-0.116			
	9	3B	CR													+	151	0.157			
	9	72	CR																		
	9	94	CR	*	489	-0.158	+	1823	0.102	+	2853	0.101	+	17855	0.126						
	10	67	MC				*	1805	-0.108												
	10	71	CR										+	16155	0.139						

1. DIF is not reported for N less than 100. Flag + = favoring and * = disfavoring

Table 241. Items Flagged for DIF by Ethnicity Focal Group (cont'd)

Content Area	Grade	Item #	Item Type	Ethnicity Focal Group ¹																	
				Am. Indian/ AK Native			Asian			Black			Hispanic			Hawaiian/ Pacific Islander			Two or More Races		
				Flag	N	Obs- Prd	Flag	N	Obs- Prd	Flag	N	Obs- Prd	Flag	N	Obs- Prd	Flag	N	Obs- Prd	Flag	N	Obs- Prd
MATH E M A T H I C S	4	17	MC																		
	4	30	CR																		
	5	36	CR	+	519	0.103	+	2102	0.123	+	2889	0.110				+	110	0.132			
	5	43	CR							*	2872	-0.119									
	6	30	MC													+	126	0.143			
	6	51	CR							*	2899	-0.122									
	6	56	MC													*	126	-0.130			
	8	30	CR							*	2985	-0.102									
	8	40	CR							*	2985	-0.130									
	8	53	CR				*	1863	-0.115												
	8	60	CR				+	1863	0.131												
	9	5	MC	*	486	-0.117				*	2860	-0.113	*	17855	-0.111						
	9	60	CR				+	1832	0.166	+	2860	0.147									
	10	20	CR				*	1810	-0.148							*	132	-0.109			
10	21	MC																			
10	44	CR				*	1810	-0.102													
S C I E N C E	8	2	MC													*	121	-0.161			
	8	24	CR				+	1862	0.189				+	18381	0.104				*	1743	-0.116
	8	65	MC													+	121	0.132			
	10	21	CR				+	1815	0.164				+	16175	0.119						
	10	40	CR				+	1815	0.206												
	10	41	CR													+	134	0.111			

1. DIF is not reported for N less than 100. Flag + = favoring and * = disfavoring

Table 242. Items Flagged for DIF by Gender Focal Group

Content Area	Grade	Item #	Item Type	Gender Focal Group ¹					
				Female			Male		
				Flag	N	Obs-Prd	Flag	N	Obs-Prd
Reading	7	25	CR				*	30872	-0.101
	7	115	MC				*	30872	-0.101
	8	10	CR	+	29215	0.125	*	30259	-0.126
	8	49	MC	*	29215	-0.115	+	30259	0.102
	8	105	MC	+	29215	0.125	*	30259	-0.126
Writing	4	69	CR	+	30785	0.124	*	32075	-0.125
	5	69	CR	+	30791	0.107	*	31663	-0.112
	6	73	CR	+	30070	0.106	*	31656	-0.102
	6	94	CR	+	30070	0.103	*	31656	-0.101
	7	3A	CR				*	30862	-0.106
	7	70	CR	+	29641	0.103	*	30862	-0.112
	8	75	CR	+	29079	0.113	*	30172	-0.112
	8	98	CR	+	29079	0.129	*	30172	-0.132
	9	72	CR	+	28963	0.173	*	30055	-0.164
	9	94	CR	+	28963	0.120	*	30055	-0.121
	10	71	CR	+	27734	0.146	*	28612	-0.151
Mathematics	9	5	MC				*	29993	-0.103
Science	8	24	CR	+	29209	0.136	*	30233	-0.140
	10	21	CR	+	27808	0.107			

1. DIF is not reported for N less than 100. Flag + = favoring and * = disfavoring

Table 243. Items Flagged for DIF by Accommodations Focal Group

Content Area	Grade	Item #	Item Type	Accommodations Focal Group ¹														
				Extended Timing			Oral Script			Scribe			Teacher Read Directions			Other ²		
				Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd
Reading	3	32	CR													*	156	-0.163
	4	18	CR							+	91	0.196				*	204	-0.205
	4	29	CR													*	204	-0.126
	4	47	CR															
	4	107	MC							+	91	0.196						
	5	6	CR													*	179	-0.249
	5	15	MC							*	104	-0.125						
	5	21	CR													*	179	-0.185
	5	30	MC													+	179	0.102
	5	38	CR													*	179	-0.159
	5	40	CR													*	179	-0.183
	5	96	CR													*	179	-0.249
	5	105	MC							*	104	-0.125						
	5	111	MC													*	179	-0.185
	6	11	CR													*	184	-0.255
	6	12	CR													*	184	-0.315
	6	18	CR							*	65	-0.193				*	184	-0.128
	6	23	CR													*	184	-0.145
	6	32	CR							*	65	-0.243	*	1464	-0.109			
	6	47	CR													*	184	-0.168
	6	49	MC													+	184	0.107
	6	102	MC													*	184	-0.255
	6	103	CR													*	184	-0.315
	6	109	MC							*	65	-0.193				*	184	-0.128
	6	114	MC													*	184	-0.145
	7	14	CR													*	217	-0.142
	7	16	MC							*	70	-0.149						

1. DIF is not reported for N less than 100. Flag + = favoring and * = disfavoring

2. Other includes use of manipulatives, signing, assistive comm. device, appr. nonstandard accomm., translated oral script, word-to-word dictionary, Braille version, and large-print version.

Table 243. Items Flagged for DIF by Accommodations Focal Group (cont'd)

Content Area	Grade	Item #	Item Type	Accommodations Focal Group ¹														
				Extended Timing			Oral Script			Scribe			Teacher Read Directions			Other ²		
				Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd
Reading	7	19	CR													*	217	-0.240
	7	20	CR													*	217	-0.289
	7	25	CR													*	217	-0.171
	7	44	CR													*	217	-0.134
	7	104	MC													*	217	-0.142
	7	106	CR							*	70	-0.149						
	7	109	MC													*	217	-0.240
	7	110	CR													*	217	-0.289
	7	115	MC													*	217	-0.171
	8	10	CR													*	172	-0.218
	8	19	CR													*	172	-0.133
	8	21	CR										+	814	0.131			
	8	29	MC													+	172	0.107
	8	46	CR													*	172	-0.136
	8	48	CR													*	172	-0.141
	8	49	MC													+	172	0.170
	8	105	MC													*	172	-0.218
	8	114	MC													*	172	-0.133
	9	25	MC													+	106	0.105
	9	47	MC													+	106	0.151
	10	13	CR													*	119	-0.217
	10	27	CR	*	2491	-0.111							*	391	-0.120	*	119	-0.310
	10	30	CR	+	2491	0.102										*	119	-0.198
	10	47	CR	+	2491	0.154												
	10	51	CR	+	2491	0.118												
	10	105	MC													*	119	-0.217

1. DIF is not reported for N less than 100. Flag + = favoring and * = disfavoring

2. Other includes use of manipulatives, signing, assistive comm. device, appr. nonstandard accomm., translated oral script, word-to-word dictionary, Braille version, and large-print version.

Table 243. Items Flagged for DIF by Accommodations Focal Group (cont'd)

Content Area	Grade	Item #	Item Type	Accommodations Focal Group ¹														
				Extended Timing			Oral Script			Scribe			Teacher Read Directions			Other ²		
				Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd
Writing	3	1C	CR							*	54	-0.211						
	3	3	MC				+	7065	0.103									
	3	19	MC				+	7065	0.109									
	3	25	MC							*	54	-0.121						
	4	2A	CR													*	214	-0.113
	4	69	CR													*	214	-0.229
	4	76	MC													+	214	0.107
	4	80	MC				+	6439	0.121									
	4	87	MC				+	6439	0.168									
	4	92	CR				+	6439	0.121									
	5	2E	CR							*	67	-0.132						
	5	2F	CR				*	6001	-0.125									
	5	3A	CR				*	6001	-0.121				*	530	-0.115			
	5	3B	CR							*	67	-0.150						
	5	56	MC							*	67	-0.134						
	5	59	MC															
	5	67	MC				+	6001	0.112									
	5	80	MC				+	6001	0.135									
	5	88	MC				+	6001	0.115									
	5	91	MC				+	6001	0.132									
	5	92	MC				+	6001	0.130									
	5	93	CR				+	6001	0.114				+	530	0.113			
	6	2B	CR				*	3602	-0.132									
	6	2C	CR				*	3602	-0.105									
	6	3B	CR				*	3602	-0.126									
	6	76	MC				+	3602	0.110									
	6	84	MC													+	392	0.131

1. DIF is not reported for N less than 100. Flag + = favoring and * = disfavoring

2. Other includes use of manipulatives, signing, assistive comm. device, appr. nonstandard accomm., translated oral script, word-to-word dictionary, Braille version, and large-print version.

Table 243. Items Flagged for DIF by Accommodations Focal Group (cont'd)

Content Area	Grade	Item #	Item Type	Accommodations Focal Group ¹														
				Extended Timing			Oral Script			Scribe			Teacher Read Directions			Other ²		
				Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd
Writing	6	92	MC				+	3602	0.154									
	6	94	CR	+	4624	0.120	+	3602	0.171				+	578	0.119			
	7	2B	CR				*	2858	-0.104							*	406	-0.129
	7	3B	CR				*	2858	-0.125									
	7	70	CR	+	3580	0.123												
	7	88	MC				+	2858	0.151									
	7	90	MC							+	59	0.170						
	7	91	MC													*	406	-0.111
	7	92	MC				+	2858	0.120									
	7	93	CR	+	3580	0.156												
	8	2B	CR				*	2391	-0.116									
	8	2C	CR				*	2391	-0.112									
	8	2F	CR				*	2391	-0.104									
	8	57	MC				*	2391	-0.120									
	8	75	CR	+	3018	0.157										*	361	-0.113
	8	80	MC															
	8	95	MC				+	2391	0.161									
	8	98	CR	+	3018	0.163	+	2391	0.142									
	9	2E	CR													*	451	-0.105
	9	3B	CR				*	1188	-0.106									
	9	55	MC													*	451	-0.215
	9	57	MC													*	451	-0.123
	9	67	MC				+	1188	0.100									
	9	72	CR	+	2072	0.110												
	9	91	MC				+	1188	0.152									
	9	93	MC				+	1188	0.158									
	9	94	CR	+	2072	0.146										+	451	0.141

1. DIF is not reported for N less than 100. Flag + = favoring and * = disfavoring

2. Other includes use of manipulatives, signing, assistive comm. device, appr. nonstandard accomm., translated oral script, word-to-word dictionary, Braille version, and large-print version.

Table 243. Items Flagged for DIF by Accommodations Focal Group (cont'd)

Content Area	Grade	Item #	Item Type	Accommodations Focal Group ¹														
				Extended Timing			Oral Script			Scribe			Teacher Read Directions			Other ²		
				Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd
Writing	10	2A	CR				*	872	-0.155							*	526	-0.123
	10	2B	CR													*	526	-0.165
	10	2C	CR													*	526	-0.116
	10	2F	CR				*	872	-0.139							*	526	-0.215
	10	3A	CR				*	872	-0.136									
	10	3B	CR				*	872	-0.177									
	10	3C	CR				*	872	-0.153									
	10	58	MC				*	872	-0.129									
	10	60	MC				*	872	-0.114							*	526	-0.135
	10	69	MC													+	526	0.105
	10	71	CR	+	1566	0.135										+	526	0.198
	10	72	MC				*	872	-0.105							*	526	-0.135
	10	76	MC				+	872	0.117									
	10	85	MC				+	872	0.114									
	10	87	MC				+	872	0.137									
	10	91	MC				+	872	0.120									
	10	95	CR	+	1566	0.125												
Mathematics	3	30	CR							+	50	0.210						
	3	37	CR				+	7567	0.155									
	4	27	CR										*	732	-0.106			
	4	32	MC							*	60	-0.137						
	4	39	MC							+	60	0.185						
	4	46	CR				*	6940	-0.161									
	4	61	CR							+	60	0.228						
	5	6	CR													*	306	-0.138
	5	8	CR				*	6245	-0.101									
	5	20	MC							*	68	-0.114						

1. DIF is not reported for N less than 100. Flag + = favoring and * = disfavoring

2. Other includes use of manipulatives, signing, assistive comm. device, appr. nonstandard accomm., translated oral script, word-to-word dictionary, Braille version, and large-print version.

Table 243. Items Flagged for DIF by Accommodations Focal Group (cont'd)

Content Area	Grade	Item #	Item Type	Accommodations Focal Group ¹														
				Extended Timing			Oral Script			Scribe			Teacher Read Directions			Other ²		
				Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd
Mathematics	5	23	CR				+	6245	0.156									
	5	35	MC							*	68	-0.127						
	6	20	CR													+	387	0.102
	6	46	CR													*	387	-0.154
	7	6	CR													+	277	0.148
	7	20	CR				+	3026	0.127							+	277	0.116
	7	26	CR													*	277	-0.186
	7	30	CR				*	3026	-0.118									
	7	48	CR				+	3026	0.181									
	7	51	CR													*	277	-0.114
	8	9	CR													*	258	-0.154
	8	25	CR													+	258	0.167
	8	26	MC													+	258	0.116
	8	27	CR				+	2528	0.146				+	366	0.109			
	8	35	CR										*	366	-0.142			
	8	47	CR										+	366	0.108			
	8	52	MC													*	258	-0.115
	8	53	CR													*	258	-0.291
	9	5	MC	*	2026	-0.120	*	1270	-0.118				*	256	-0.149	*	372	-0.145
	9	20	CR										*	256	-0.146	*	372	-0.173
	9	40	CR													+	372	0.111
	9	53	CR													*	372	-0.103
	10	6	MC				*	922	-0.112									
	10	12	CR										+	244	0.106			
	10	14	MC										*	244	-0.115	*	440	-0.105
	10	20	CR	*	1482	-0.101										*	440	-0.171

1. DIF is not reported for N less than 100. Flag + = favoring and * = disfavoring

2. Other includes use of manipulatives, signing, assistive comm. device, appr. nonstandard accomm., translated oral script, word-to-word dictionary, Braille version, and large-print version.

Table 243. Items Flagged for DIF by Accommodations Focal Group (cont'd)

Content Area	Grade	Item #	Item Type	Accommodations Focal Group ¹														
				Extended Timing			Oral Script			Scribe			Teacher Read Directions			Other ²		
				Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd
Science	5	48	MC													*	255	-0.140
	5	50	MC													+	255	0.101
	5	57	MC													+	255	0.146
	5	68	MC													+	255	0.167
	8	16	MC													+	265	0.122
	8	24	CR													+	265	0.131
	8	59	CR										*	447	-0.125	*	265	-0.123
	10	21	CR	*	1170	-0.121	*	953	-0.127							+	461	0.227
	10	24	CR													*	461	-0.131
	10	32	CR													*	461	-0.111
	10	51	CR				*	953	-0.104									
	10	71	MC				+	953	0.102									

1. DIF is not reported for N less than 100. Flag + = favoring and * = disfavoring

2. Other includes use of manipulatives, signing, assistive comm. device, appr. nonstandard accomm., translated oral script, word-to-word dictionary, Braille version, and large-print version.

Table 244. Items Flagged for DIF by Primary Disability State

Content Area	Grade	Item #	Item Type	Primary Disability State Focal Group ¹														
				Emotional			Specific Learning Disability			Physical			Speech/Language			Other ²		
				Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd
Reading	3	5	CR	*	377	-0.113												
	3	16	MC							+	624	0.106						
	3	17	CR	*	377	-0.117												
	3	20	CR	*	377	-0.116												
	3	32	CR	*	377	-0.195				*	624	-0.152				*	469	-0.162
	3	39	CR	*	377	-0.158												
	4	8	CR	*	421	-0.171												
	4	11	MC	+	421	0.121												
	4	18	CR	*	421	-0.102												
	4	23	CR	*	421	-0.125				*	689	-0.125						
	4	25	CR	*	421	-0.177												
	4	29	CR	*	421	-0.226				*	689	-0.149				*	456	-0.219
	4	44	CR	*	421	-0.175										*	456	-0.102
	4	47	CR	*	421	-0.200				*	689	-0.127				*	456	-0.132
	4	97	MC	*	421	-0.171												
	4	100	MC	+	421	0.121												
	4	107	MC	*	421	-0.102												
	4	112	MC	*	421	-0.125				*	689	-0.125						
	4	114	MC	*	421	-0.177												
	5	6	CR	*	454	-0.120				*	747	-0.144				*	456	-0.156
	5	14	CR	*	454	-0.125												
	5	29	CR	*	454	-0.199												
	5	35	MC	+	454	0.107												
	5	38	CR	*	454	-0.273				*	747	-0.170						
	5	40	CR	*	454	-0.138				*	747	-0.130				*	456	-0.124
	5	47	CR	*	454	-0.101												
	5	96	CR	*	454	-0.120				*	747	-0.144				*	456	-0.156

1. DIF is not reported for N less than 100. Flag + = favoring and * = disfavoring

2. Other includes limited intellectual capacity, hearing disability, visual disability, deaf-blind, multiple disabilities, autism, and traumatic brain injury.

Table 244. Items Flagged for DIF by Primary Disability State (cont'd)

Content Area	Grade	Item #	Item Type	Primary Disability State Focal Group ¹														
				Emotional			Specific Learning Disability			Physical			Speech/Language			Other ²		
				Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd
Reading	5	104	MC	*	454	-0.125												
	6	6	CR	*	484	-0.322										*	438	-0.145
	6	11	CR	*	484	-0.290				*	774	-0.185						
	6	12	CR	*	484	-0.201				*	774	-0.153				*	438	-0.139
	6	18	CR	*	484	-0.141				*	774	-0.115						
	6	23	CR	*	484	-0.111												
	6	28	CR	*	484	-0.115												
	6	52	MC													+	438	0.100
	6	97	MC	*	484	-0.322										*	438	-0.145
	6	102	MC	*	484	-0.290				*	774	-0.185						
	6	103	CR	*	484	-0.201				*	774	-0.153				*	438	-0.139
	6	109	MC	*	484	-0.141				*	774	-0.115						
	6	114	MC	*	484	-0.111												
	7	8	CR							*	766	-0.100						
	7	19	CR	*	468	-0.196				*	766	-0.129				*	408	-0.122
	7	20	CR	*	468	-0.163				*	766	-0.163				*	408	-0.118
	7	25	CR	*	468	-0.125				*	766	-0.114				*	408	-0.131
	7	44	CR	*	468	-0.126												
	7	47	CR	*	468	-0.165												
	7	98	MC							*	766	-0.100						
	7	109	MC	*	468	-0.196				*	766	-0.129				*	408	-0.122
	7	110	CR	*	468	-0.163				*	766	-0.163				*	408	-0.118
	7	115	MC	*	468	-0.125				*	766	-0.114				*	408	-0.131
	8	6	CR	*	530	-0.131				*	796	-0.109				*	430	-0.155
	8	10	CR	*	530	-0.282				*	796	-0.206				*	430	-0.140
	8	19	CR	*	530	-0.201												
	8	20	CR	*	530	-0.198												

1. DIF is not reported for N less than 100. Flag + = favoring and * = disfavoring

2. Other includes limited intellectual capacity, hearing disability, visual disability, deaf-blind, multiple disabilities, autism, and traumatic brain injury.

Table 244. Items Flagged for DIF by Primary Disability State (cont'd)

Content Area	Grade	Item #	Item Type	Primary Disability State Focal Group ¹														
				Emotional			Specific Learning Disability			Physical			Speech/Language			Other ²		
				Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd
Reading	8	21	CR				+	3191	0.107	+	796	0.106						
	8	40	MC													+	430	0.109
	8	44	CR	*	530	-0.136										*	430	-0.126
	8	46	CR	*	530	-0.141				*	796	-0.122				*	430	-0.126
	8	48	CR	*	530	-0.184				*	796	-0.119						
	8	49	MC	+	530	0.139												
	8	101	MC	*	530	-0.131				*	796	-0.109				*	430	-0.155
	8	105	MC	*	530	-0.282				*	796	-0.206				*	430	-0.140
	8	114	MC	*	530	-0.201												
	8	115	MC	*	530	-0.198												
	9	4	CR	*	539	-0.246										*	392	-0.111
	9	10	MC	+	539	0.110												
	9	13	CR	*	539	-0.109												
	9	24	CR	*	539	-0.161												
	9	27	CR	*	539	-0.217				*	741	-0.118	+	237	0.123	*	392	-0.111
	9	95	MC	*	539	-0.246												
	9	101	MC	+	539	0.110												
	9	104	MC	*	539	-0.109												
	9	115	CR	*	539	-0.161												
	10	12	MC	+	519	0.160				+	724	0.112	*	189	-0.117			
	10	13	CR	*	519	-0.199	+	2508	0.100	*	724	-0.103				*	381	-0.185
	10	14	MC	+	519	0.116										+	381	0.137
	10	21	CR	*	519	-0.141												
	10	27	CR										*	189	-0.207			
	10	30	CR	*	519	-0.112										*	381	-0.132
	10	31	CR	*	519	-0.112												
	10	45	MC	+	519	0.126												

1. DIF is not reported for N less than 100. Flag + = favoring and * = disfavoring

2. Other includes limited intellectual capacity, hearing disability, visual disability, deaf-blind, multiple disabilities, autism, and traumatic brain injury.

Table 244. Items Flagged for DIF by Primary Disability State (cont'd)

Content Area	Grade	Item #	Item Type	Primary Disability State Focal Group ¹														
				Emotional			Specific Learning Disability			Physical			Speech/Language			Other ²		
				Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd
Reading	10	47	CR				+	2508	0.119							+	381	0.121
	10	104	CR	+	519	0.160				+	724	0.112	*	189	-0.117			
	10	105	MC	*	519	-0.199	+	2508	0.100	*	724	-0.103				*	381	-0.185
	10	106	MC	+	519	0.116										+	381	0.137
	10	113	MC	*	519	-0.141												
Writing	3	1C	CR				*	2496	-0.100									
	3	3	MC				+	2496	0.108									
	3	19	MC				+	2496	0.103									
	3	38	MC	+	375	0.102										*	470	-0.113
	3	39A	CR															
	3	39C	CR	*	375	-0.104												
	4	2A	CR				*	3282	-0.131									
	4	2F	CR				*	3282	-0.103									
	4	3A	CR	*	420	-0.138				*	693	-0.110				*	457	-0.148
	4	3B	CR	*	420	-0.185				*	693	-0.165				*	457	-0.152
	4	58	MC	+	420	0.115				+	693	0.116						
	4	66	MC													*	457	-0.105
	4	69	CR	*	420	-0.391				*	693	-0.316				*	457	-0.299
	4	79	MC	+	420	0.105												
	4	87	MC				+	3282	0.138	+	693	0.111						
	4	92	CR	*	420	-0.330	+	3282	0.108	*	693	-0.142				*	457	-0.114
	5	2F	CR				*	3611	-0.167									
	5	3A	CR	*	461	-0.222				*	751	-0.109				*	457	-0.218
	5	3B	CR	*	461	-0.238	*	3611	-0.115	*	751	-0.185				*	457	-0.220
	5	69	CR	*	461	-0.332				*	751	-0.252				*	457	-0.201
	5	80	MC				+	3611	0.125	+	751	0.119						
	5	88	MC	+	461	0.111				+	751	0.124				+	457	0.107

1. DIF is not reported for N less than 100. Flag + = favoring and * = disfavoring

2. Other includes limited intellectual capacity, hearing disability, visual disability, deaf-blind, multiple disabilities, autism, and traumatic brain injury.

Table 244. Items Flagged for DIF by Primary Disability State (cont'd)

Content Area	Grade	Item #	Item Type	Primary Disability State Focal Group ¹														
				Emotional			Specific Learning Disability			Physical			Speech/Language			Other ²		
				Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd
Writing	5	91	MC				+	3611	0.105									
	5	92	MC				+	3611	0.110									
	5	93	CR	*	461	-0.220	+	3611	0.106	*	751	-0.106						
	6	2B	CR				*	3504	-0.115									
	6	3A	CR	*	484	-0.179										*	437	-0.129
	6	3B	CR	*	484	-0.200	*	3504	-0.101	*	772	-0.111				*	437	-0.181
	6	73	CR	*	484	-0.238				*	772	-0.158				*	437	-0.199
	6	92	MC				+	3504	0.108									
	6	94	CR	*	484	-0.166	+	3504	0.188									
	7	3A	CR	*	474	-0.243										*	410	-0.226
	7	3B	CR	*	474	-0.255				*	764	-0.130				*	410	-0.228
	7	3C	CR	*	474	-0.138										*	410	-0.113
	7	70	CR	*	474	-0.305				*	764	-0.158				*	410	-0.219
	7	71	MC													+	410	0.120
	7	93	CR	*	474	-0.235	+	3460	0.124	*	764	-0.131				*	410	-0.129
	8	2F	CR				*	3177	-0.131									
	8	3A	CR	*	536	-0.188				*	797	-0.110				*	427	-0.213
	8	3B	CR	*	536	-0.203				*	797	-0.168				*	427	-0.193
	8	57	MC										*	310	-0.106			
	8	75	CR	*	536	-0.277	+	3177	0.113	*	797	-0.135				*	427	-0.260
	8	80	MC	+	536	0.108				+	797	0.101						
	8	98	CR	*	536	-0.253	+	3177	0.163	*	797	-0.152				*	427	-0.183
	9	2E	CR										*	238	-0.155			
	9	2F	CR				*	3015	-0.100									
	9	3A	CR	*	541	-0.235				*	745	-0.180				*	396	-0.243
	9	3B	CR	*	541	-0.234				*	745	-0.186				*	396	-0.233
	9	53	MC										*	238	-0.118			

1. DIF is not reported for N less than 100. Flag + = favoring and * = disfavoring

2. Other includes limited intellectual capacity, hearing disability, visual disability, deaf-blind, multiple disabilities, autism, and traumatic brain injury.

Table 244. Items Flagged for DIF by Primary Disability State (cont'd)

Content Area	Grade	Item #	Item Type	Primary Disability State Focal Group ¹														
				Emotional			Specific Learning Disability			Physical			Speech/Language			Other ²		
				Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd
Writing	9	55	MC										*	238	-0.118			
	9	72	CR	*	541	-0.299				*	745	-0.167				*	396	-0.224
	9	77	MC													+	396	0.110
	9	94	CR	*	541	-0.231	+	3015	0.162	*	745	-0.142						
	10	2A	CR				*	2502	-0.104									
	10	3A	CR	*	524	-0.177				*	721	-0.160				*	384	-0.270
	10	3B	CR	*	524	-0.166				*	721	-0.153				*	384	-0.234
	10	3C	CR													*	384	-0.120
	10	60	MC										*	189	-0.103			
	10	71	CR	*	524	-0.215	+	2502	0.105	*	721	-0.169	+	189	0.175	*	384	-0.267
	10	72	MC										*	189	-0.124			
	10	91	MC													+	384	0.102
	10	95	CR	*	524	-0.172	+	2502	0.140							*	384	-0.101
Mathematics	3	15	MC	+	382	0.104												
	3	20	CR				+	2562	0.105									
	3	25	CR	*	382	-0.134												
	3	33	MC	+	382	0.107												
	3	37	CR				+	2562	0.162	+	623	0.123						
	4	35	CR	+	422	0.176												
	4	46	CR				*	3284	-0.224	*	694	-0.108						
	4	69	CR	*	422	-0.150												
	5	6	CR				*	3610	-0.101							*	462	-0.114
	5	8	CR				*	3610	-0.113							*	462	-0.108
	5	26	CR													+	462	0.107
	5	36	CR	+	463	0.114												
	5	46	CR	*	463	-0.153												
	6	11	CR	*	492	-0.196				*	773	-0.123	*	673	-0.104	*	433	-0.220

1. DIF is not reported for N less than 100. Flag + = favoring and * = disfavoring

2. Other includes limited intellectual capacity, hearing disability, visual disability, deaf-blind, multiple disabilities, autism, and traumatic brain injury.

Table 244. Items Flagged for DIF by Primary Disability State (cont'd)

Content Area	Grade	Item #	Item Type	Primary Disability State Focal Group ¹														
				Emotional			Specific Learning Disability			Physical			Speech/Language			Other ²		
				Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd
Mathematics	6	20	CR													+	433	0.120
	6	29	MC							+	773	0.103						
	6	33	CR							*	773	-0.138						
	6	36	CR													*	433	-0.185
	6	46	CR													*	433	-0.124
	6	53	CR													*	433	-0.102
	7	20	CR													+	410	0.139
	7	26	CR	*	475	-0.138												
	7	30	CR							*	769	-0.115				*	410	-0.108
	7	38	MC													*	410	-0.106
	7	48	CR				+	3472	0.100							+	410	0.141
	7	51	CR	*	475	-0.116				*	769	-0.107				*	410	-0.146
	7	60	CR	*	475	-0.226				*	769	-0.113						
	8	9	CR	*	531	-0.221				*	799	-0.133				*	426	-0.103
	8	20	CR	*	531	-0.120												
	8	27	CR				+	3201	0.111	+	799	0.106	+	312	0.122			
	9	2	CR	+	550	0.106				+	734	0.106						
	9	5	MC	*	550	-0.137	*	3013	-0.138	*	734	-0.122	*	237	-0.136	*	392	-0.105
	9	20	CR	*	550	-0.144										*	392	-0.158
	9	60	CR	*	550	-0.136												
10	20	CR	*	529	-0.138										*	374	-0.149	
10	31	MC	+	529	0.162													
10	48	CR	*	529	-0.104				*	728	-0.111							
Science	5	3	MC													*	465	-0.106
	5	75	CR							*	748	-0.119						
	8	24	CR	*	522	-0.372	*	3203	-0.105	*	801	-0.312	+	309	0.174	*	426	-0.160
	8	49	CR							+	801	0.108						

1. DIF is not reported for N less than 100. Flag + = favoring and * = disfavoring

2. Other includes limited intellectual capacity, hearing disability, visual disability, deaf-blind, multiple disabilities, autism, and traumatic brain injury.

Table 244. Items Flagged for DIF by Primary Disability State (cont'd)

Content Area	Grade	Item #	Item Type	Primary Disability State Focal Group ¹														
				Emotional			Specific Learning Disability			Physical			Speech/Language			Other ²		
				Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd
Science	8	59	CR													*	426	-0.144
	8	67	CR	*	522	-0.124				*	801	-0.136						
	10	10	CR							+	725	0.102						
	10	21	CR	*	521	-0.351				*	725	-0.284				*	380	-0.180
	10	24	CR	*	521	-0.164										*	380	-0.213
	10	32	CR										*	193	-0.132	*	380	-0.118
	10	51	CR							*	725	-0.105				*	380	-0.139
	10	66	MC										+	193	0.109			
	10	75	MC										+	193	0.108			

1. DIF is not reported for N less than 100. Flag + = favoring and * = disfavoring

2. Other includes limited intellectual capacity, hearing disability, visual disability, deaf-blind, multiple disabilities, autism, and traumatic brain injury.

Table 245. Items Flagged for DIF by Enrollment Focal Group

Content Area	Grade	Item #	Item Type	Enrollment Focal Group ¹								
				Cont. Enroll. 1 Year in School			Cont. Enroll. 1 Year in District			Cont. Enroll. 3 Years in Colorado		
				No			No			No		
				Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd
Writing	7	3A	CR				*	7843	-0.142	*	9374	-0.123
	8	75	CR							*	8743	-0.110
	8	98	CR				*	7014	-0.102			
	9	72	CR							*	9108	-0.125
	9	94	CR							*	9108	-0.133
	10	71	CR							*	8585	-0.106
	10	95	CR				*	7140	-0.113	*	8585	-0.129
Mathematics	7	60	CR				*	7861	-0.108			
Science	8	24	CR	*	10185	-0.148	*	7022	-0.162	*	8749	-0.124

1. DIF is not reported for N less than 100. Flag + = favoring and * = disfavoring

Table 246. Items Flagged for DIF by Language Proficiency Focal Group

Content Area	Grade	Item #	Item Type	Language Proficiency Focal Group ¹														
				Bilingual			ESL			FEP			LEP			NEP		
				Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd
Reading	3	5	CR															
	3	16	MC	*	548	-0.101												
	3	32	CR															
	3	39	CR	+	548	0.149	+	10968	0.111									
	4	7	MC	*	827	-0.130												
	4	8	CR	+	827	0.110												
	4	25	CR	+	827	0.225												
	4	29	CR	+	827	0.151	+	11552	0.112									
	4	44	CR	+	827	0.145	+	11552	0.112	+	2621	0.103						
	4	47	CR	+	827	0.136	+	11552	0.103	+	2621	0.138						
	4	96	MC	*	827	-0.130												
	4	97	MC	+	827	0.110												
	4	114	MC	+	827	0.225												
	5	6	CR															
	5	29	CR	+	588	0.147											+	1095 0.128
	5	38	CR	+	588	0.101	+	11359	0.100									
	5	39	CR							+	3622	0.128						
	5	96	CR															
	6	6	CR				+	10995	0.130	+	4434	0.156	+	6064	0.131			
	6	7	MC	*	403	-0.113												
	6	11	CR	+	403	0.200	+	10995	0.211	+	4434	0.215	+	6064	0.211	+	868	0.205
	6	12	CR	+	403	0.230	+	10995	0.134	+	4434	0.121	+	6064	0.168			
	6	32	CR							+	4434	0.130						
	6	34	MC	*	403	-0.103												
	6	46	CR													+	868	0.112
	6	49	MC							*	4434	-0.151						
	6	97	MC				+	10995	0.130	+	4434	0.156	+	6064	0.131			
	6	98	MC	*	403	-0.113												
	6	102	MC	+	403	0.200	+	10995	0.211	+	4434	0.215	+	6064	0.211	+	868	0.205
	6	103	CR	+	403	0.230	+	10995	0.134	+	4434	0.121	+	6064	0.168			

1. DIF is not reported for N less than 100. Flag + = favoring and * = disfavoring

Table 246. Items Flagged for DIF by Language Proficiency Focal Group (cont'd)

Content Area	Grade	Item #	Item Type	Language Proficiency Focal Group ¹														
				Bilingual			ESL			FEP			LEP			NEP		
				Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd
Reading	7	4	MC	+	354	0.146												
	7	13	CR													+	657	0.257
	7	14	CR												*	657	-0.175	
	7	20	CR							+	4951	0.108						
	7	25	CR							+	4951	0.139			*	657	-0.140	
	7	33	MC	*	354	-0.176	*	10186	-0.110	*	4951	-0.120	*	4912	-0.122			
	7	47	CR				+	10186	0.105	+	4951	0.101	+	4912	0.120			
	7	94	MC	+	354	0.146												
	7	103	MC													+	657	0.257
	7	104	MC												*	657	-0.175	
	7	110	CR							+	4951	0.108						
	7	115	MC							+	4951	0.139			*	657	-0.140	
	8	4	MC												*	557	-0.183	
	8	10	CR				+	9880	0.178	+	5404	0.173	+	4195	0.186			
	8	13	MC												*	557	-0.109	
	8	15	MC										*	4195	-0.125			
	8	19	CR	+	301	0.121	+	9880	0.115	+	5404	0.100	+	4195	0.135	+	557	0.117
	8	20	CR												+	557	0.188	
	8	21	CR												*	557	-0.119	
	8	23	MC							*	5404	-0.117						
	8	27	MC	*	301	-0.107	*	9880	-0.143	*	5404	-0.164	*	4195	-0.125			
	8	30	CR													+	557	0.152
	8	31	MC							*	5404	-0.100	*	4195	-0.109			
	8	39	MC	*	301	-0.129	*	9880	-0.105				*	4195	-0.143			
	8	43	MC													*	557	-0.105
	8	46	CR	+	301	0.154				+	5404	0.144						
	8	48	CR	+	301	0.175	+	9880	0.143	+	5404	0.149	+	4195	0.161			
	8	49	MC							*	5404	-0.130						
	8	54	CR													+	557	0.174
	8	99	MC													*	557	-0.183

1. DIF is not reported for N less than 100. Flag + = favoring and * = disfavoring

Table 246. Items Flagged for DIF by Language Proficiency Focal Group (cont'd)

Content Area	Grade	Item #	Item Type	Language Proficiency Focal Group ¹														
				Bilingual			ESL			FEP			LEP			NEP		
				Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd
Reading	8	105	MC				+	9880	0.178	+	5404	0.173	+	4195	0.186			
	8	108	CR													*	557	-0.109
	8	110	CR										*	4195	-0.125			
	8	114	MC	+	301	0.121	+	9880	0.115	+	5404	0.100	+	4195	0.135	+	557	0.117
	8	115	MC													+	557	0.188
	9	4	CR	+	261	0.185										+	684	0.162
	9	5	MC													*	684	-0.178
	9	6	MC	*	261	-0.142	*	9373	-0.130	*	5417	-0.149	*	3504	-0.117			
	9	7	CR							*	5417	-0.103				*	684	-0.343
	9	11	MC													*	684	-0.129
	9	15	MC							*	5417	-0.100						
	9	17	MC													+	684	0.125
	9	22	CR							+	5417	0.136	+	3504	0.160	+	684	0.205
	9	24	CR	+	261	0.185	+	9373	0.148	+	5417	0.136	+	3504	0.160	+	684	0.205
	9	27	CR	+	261	0.264	+	9373	0.206	+	5417	0.177	+	3504	0.237	+	684	0.290
	9	31	CR										+	3504	0.102			
	9	35	MC	*	261	-0.107												
	9	40	CR	+	261	0.107	+	9373	0.100				+	3504	0.101	+	684	0.168
	9	46	MC	+	261	0.104												
	9	49	MC	*	261	-0.1												
	9	95	MC	+	261	0.185										+	684	0.162
	9	96	CR													*	684	-0.178
	9	97	MC	*	261	-0.142	*	9373	-0.130	*	5417	-0.149	*	3504	-0.117			
	9	98	MC													*	684	-0.343
	9	102	CR							*	5417	-0.103						
	9	106	MC													*	684	-0.129
	9	108	MC							*	5417	-0.100						
	9	113	MC													+	684	0.125
9	115	CR	+	261	0.185	+	9373	0.148	+	5417	0.136	+	3504	0.160	+	684	0.205	
10	5	MC				*	8268	-0.103	*	4858	-0.112	*	2919	-0.104				

1. DIF is not reported for N less than 100. Flag + = favoring and * = disfavoring

Table 246. Items Flagged for DIF by Language Proficiency Focal Group (cont'd)

Content Area	Grade	Item #	Item Type	Language Proficiency Focal Group ¹														
				Bilingual			ESL			FEP			LEP			NEP		
				Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd
Reading	10	8	MC										*	2919	-0.122			
	10	12	MC										*	2919	-0.116			
	10	13	CR				+	8268	0.183	+	4858	0.160	+	2919	0.262			
	10	21	CR				+	8268	0.133				+	2919	0.176	+	671	0.203
	10	27	CR													*	671	-0.333
	10	30	CR	+	208	0.166	+	8268	0.203	+	4858	0.224	+	2919	0.206			
	10	31	CR	+	208	0.196	+	8268	0.174	+	4858	0.169	+	2919	0.164	+	671	0.268
	10	41	MC													*	671	-0.136
	10	45	MC										*	2919	-0.124			
	10	46	MC	*	208	-0.226	*	8268	-0.154	*	4858	-0.191	*	2919	-0.135			
	10	47	CR										+	2919	0.182	+	671	0.184
	10	97	MC				*	8268	-0.103	*	4858	-0.112	*	2919	-0.104			
	10	100	MC										*	2919	-0.122			
	10	104	CR										*	2919	-0.116			
	10	105	MC				+	8268	0.183	+	4858	0.160	+	2919	0.262			
	10	113	MC				+	8268	0.133				+	2919	0.176	+	671	0.203
Writing	4	2C	CR	+	823	0.169							+	7994	0.120			
	4	2D	CR	*	823	-0.133												
	4	3A	CR													+	1715	0.127
	4	56	MC	*	823	-0.127												
	4	58	MC										*	7994	-0.104			
	4	69	CR	+	823	0.192	+	11550	0.127				+	7994	0.156	+	1715	0.130
	4	75	MC	*	823	-0.120										*	1715	-0.151
	4	92	CR	+	823	0.185	+	11550	0.116				+	7994	0.116	+	1715	0.243
	5	3B	CR													*	1105	-0.147
	5	66	MC													*	1105	-0.174
	5	67	MC													+	1105	0.103
	5	69	CR	+	590	0.186	+	11432	0.115				+	7242	0.161	+	1105	0.104

1. DIF is not reported for N less than 100. Flag + = favoring and * = disfavoring

Table 246. Items Flagged for DIF by Language Proficiency Focal Group (cont'd)

Content Area	Grade	Item #	Item Type	Language Proficiency Focal Group ¹														
				Bilingual			ESL			FEP			LEP			NEP		
				Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd
Writing	5	70	MC										*	7242	-0.107			
	5	75	MC													+	1105	0.111
	5	90	MC	*	590	-0.143	*	11432	-0.111	*	3643	-0.103	*	7242	-0.121			
	5	93	CR	+	590	0.277	+	11432	0.120				+	7242	0.161	+	1105	0.247
	6	2B	CR													*	871	-0.169
	6	2C	CR													*	871	-0.112
	6	3B	CR													*	871	-0.114
	6	55	MC										*	6064	-0.102	*	871	-0.129
	6	68	MC	*	403	-0.132												
	6	73	CR	+	403	0.124												
	6	94	CR	+	403	0.173							+	6064	0.115	+	871	0.116
	7	2A	CR													*	658	-0.134
	7	2B	CR													*	658	-0.194
	7	3A	CR										+	4914	0.147			
	7	53	MC													*	658	-0.112
	7	59	MC	*	354	-0.104												
	7	70	CR	+	354	0.228	+	10183	0.132				+	4914	0.190			
	7	79	MC													+	658	0.105
	7	85	MC	*	354	-0.174	*	10183	-0.160	*	4945	-0.129	*	4914	-0.201			
	7	87	MC													+	658	0.153
	7	91	MC	*	354	-0.230	*	10183	-0.192	*	4945	-0.135	*	4914	-0.255	*	658	-0.180
	7	93	CR										+	4914	0.117	+	658	0.152
	8	2B	CR													*	554	-0.124
	8	2C	CR													*	554	-0.106
	8	2F	CR	+	300	0.109												
	8	3B	CR													*	554	-0.134
	8	57	MC										*	4198	-0.104			
	8	59	MC													*	554	-0.221
	8	61	MC	*	300	-0.127	*	9877	-0.143	*	5400	-0.104	*	4198	-0.206			

1. DIF is not reported for N less than 100. Flag + = favoring and * = disfavoring

Table 246. Items Flagged for DIF by Language Proficiency Focal Group (cont'd)

Content Area	Grade	Item #	Item Type	Language Proficiency Focal Group ¹														
				Bilingual			ESL			FEP			LEP			NEP		
				Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd
Writing	8	62	MC													+	554	0.115
	8	75	CR	+	300	0.132	+	9877	0.136	+	5400	0.105	+	4198	0.191			
	8	80	MC	*	300	-0.206	*	9877	-0.179				*	4198	-0.300	*	554	-0.307
	8	83	MC	*	300	-0.140	*	9877	-0.137	*	5400	-0.148	*	4198	-0.148			
	8	86	MC													+	554	0.113
	8	91	MC	*	300	-0.130				*	5400	-0.119						
	8	96	MC													+	554	0.143
	8	98	CR	+	300	0.330	+	9877	0.119				+	4198	0.175	+	554	0.224
	9	2D	CR	+	262	0.113												
	9	2E	CR										*	3511	-0.102			
	9	2F	CR	+	262	0.143												
	9	55	MC	*	262	-0.126	*	9383	-0.159				*	3511	-0.267	*	681	-0.199
	9	57	MC										*	3511	-0.102	*	681	-0.226
	9	66	MC	*	262	-0.152	*	9383	-0.115	*	5424	-0.119	*	3511	-0.133			
	9	72	CR	+	262	0.182	+	9383	0.185	+	5424	0.149	+	3511	0.288			
	9	78	MC													+	681	0.108
	9	88	MC													+	681	0.112
	9	94	CR				+	9383	0.145	+	5424	0.103	+	3511	0.204	+	681	0.166
	10	2A	CR	*	209	-0.104				*	2940	-0.144	*	2940	-0.144	*	684	-0.134
	10	2B	CR										*	2940	-0.101	*	684	-0.240
	10	2C	CR													*	684	-0.128
	10	2F	CR													*	684	-0.335
	10	60	MC	*	209	-0.162	*	8305	-0.146	*	4860	-0.128	*	2940	-0.195			
	10	62	MC													+	684	0.111
	10	63	MC										*	2940	-0.109			
	10	69	MC													+	684	0.111
	10	71	CR	+	209	0.149	+	8305	0.218	+	4860	0.160	+	2940	0.330	+	684	0.148
	10	72	MC										*	2940	-0.170	*	684	-0.128
	10	73	MC				*	8305	-0.105	*	4860	-0.109	*	2940	-0.120			
	10	75	MC										*	2940	-0.105			

1. DIF is not reported for N less than 100. Flag + = favoring and * = disfavoring

Table 246. Items Flagged for DIF by Language Proficiency Focal Group (cont'd)

Content Area	Grade	Item #	Item Type	Language Proficiency Focal Group ¹														
				Bilingual			ESL			FEP			LEP			NEP		
				Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd
Writing	10	80	MC													+	684	0.102
	10	83	MC													+	684	0.158
	10	84	MC													+	684	0.118
	10	91	MC													+	684	0.128
	10	95	CR	+	209	0.168	+	8305	0.126	+	4860	0.115	+	2940	0.186			
Mathematics	3	33	MC										*	8611	-0.119			
	4	7	CR													+	1823	0.143
	4	14	CR													*	1823	-0.193
	4	18	CR													*	1823	-0.101
	4	27	CR	+	862	0.155										+	1823	0.115
	4	30	CR													*	1823	-0.169
	4	46	CR															
	4	69	CR	+	862	0.252	+	11618	0.105				+	8006	0.133			
	5	6	CR													*	1126	-0.213
	5	26	CR													+	1126	0.117
	5	49	CR	*	589	-0.100												
	5	52	MC													+	1126	0.106
	5	60	MC													+	1126	0.104
	5	69	CR	+	589	0.185				+	3649	0.119						
	6	11	CR	+	405	0.152							+	6053	0.141			
	6	13	CR	+	405	0.102												
	6	20	CR													+	884	0.129
	6	23	CR													*	884	-0.124
	6	33	CR													*	884	-0.116
	6	36	CR													*	884	-0.200
	6	39	MC													+	884	0.114
	6	44	MC										*	6053	-0.105			
	6	46	CR													*	884	-0.263
	6	53	CR													*	884	-0.164
	6	54	MC													+	884	0.197

1. DIF is not reported for N less than 100. Flag + = favoring and * = disfavoring

Table 246. Items Flagged for DIF by Language Proficiency Focal Group (cont'd)

Content Area	Grade	Item #	Item Type	Language Proficiency Focal Group ¹														
				Bilingual			ESL			FEP			LEP			NEP		
				Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd
Mathematics	7	6	CR													+	670	0.109
	7	20	CR							*	4953	-0.109				+	670	0.101
	7	26	CR													*	670	-0.177
	7	40	CR	+	356	0.136												
	7	42	MC										*	4914	-0.101			
	7	51	CR													*	670	-0.174
	8	9	CR													*	564	-0.178
	8	18	CR	+	303	0.142												
	8	20	CR				*	9893	-0.118	*	5405	-0.132	*	4203	-0.112			
	8	22	MC													+	564	0.138
	8	25	CR													+	564	0.135
	8	35	CR										*	4203	-0.119	*	564	-0.149
	8	53	CR	*	303	-0.195	*	9893	-0.125				*	4203	-0.176	*	564	-0.355
	8	60	CR	+	303	0.133	+	9893	0.111				+	4203	0.174	+	564	0.231
	9	2	CR													+	694	0.148
	9	5	MC				*	9407	-0.109				*	3524	-0.142	*	694	-0.112
	9	7	CR							*	5422	-0.113						
	9	16	MC													*	694	-0.139
	9	20	CR										*	3524	-0.119	*	694	-0.231
	9	47	MC													*	694	-0.129
	9	53	CR													*	694	-0.113
	9	60	CR				+	9407	0.151	+	5422	0.154	+	3524	0.148			
	10	20	CR													*	690	-0.256
	10	25	CR							+	4869	0.108	+	2936	0.106			
	10	29	CR													*	690	-0.109
	10	44	CR										*	2936	-0.109	*	690	-0.121
	10	51	MC													*	690	-0.118

1. DIF is not reported for N less than 100. Flag + = favoring and * = disfavoring

Table 246. Items Flagged for DIF by Language Proficiency Focal Group (cont'd)

Content Area	Grade	Item #	Item Type	Language Proficiency Focal Group ¹														
				Bilingual			ESL			FEP			LEP			NEP		
				Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd
Science	5	61	MC	+	589	0.114												
	5	68	MC													+	1120	0.127
	8	16	MC	+	300	0.103												
	8	22	CR	*	300	-0.124												
	8	24	CR				+	9868	0.221	+	5399	0.207	+	4183	0.239	+	563	0.173
	8	47	MC													*	563	-0.108
	8	49	CR	*	300	-0.218							*	4183	-0.110	*	563	-0.111
	8	59	CR													*	563	-0.109
	8	79	MC	*	300	-0.143												
	8	80	MC	+	300	0.119												
	10	2	MC													+	691	0.108
	10	5	MC													+	691	0.104
	10	21	CR	+	201	0.254	+	8311	0.244	+	4868	0.225	+	2937	0.302			
	10	24	CR				+	8311	0.133	+	4868	0.168	+	2937	0.175	*	691	-0.312
	10	32	CR													*	691	-0.169
	10	36	MC	+	201	0.104												
	10	51	CR							+	4868	0.103						
	10	53	MC													+	691	0.108
	10	66	MC													+	691	0.103
	10	76	CR	*	201	-0.146				*	4868	-0.117						
	10	82	CR													*	691	-0.174

1. DIF is not reported for N less than 100. Flag + = favoring and * = disfavoring

Table 247. Items Flagged for DIF by Education Plan Focal Group

Content Area	Grade	Item #	Item Type	Education Plan Focal Group ¹											
				504			GATE			IEP			Title 1		
				Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd
Reading	3	23	CR	*	415	-0.111	*	752	-0.113						
	3	32	CR	*	415	-0.120	*	752	-0.156						
	3	39	CR												
	4	18	CR				*	1143	-0.162						
	4	25	CR	*	523	-0.133									
	4	29	CR	*	523	-0.156	*	1143	-0.186						
	4	44	CR	*	523	-0.120	*	1143	-0.108						
	4	47	CR				*	1143	-0.111						
	4	107	MC				*	1143	-0.162						
	4	114	MC	*	523	-0.133									
	5	6	CR	*	627	-0.116									
	5	14	CR	*	627	-0.172									
	5	21	CR	*	627	-0.104	*	1292	-0.102						
	5	38	CR	*	627	-0.177									
	5	39	CR	*	627	-0.123									
	5	40	CR	*	627	-0.132									
	5	96	CR	*	627	-0.116									
	5	104	MC	*	627	-0.172									
	5	111	MC	*	627	-0.104	*	1292	-0.102						
	6	6	CR	*	767	-0.122							+	11258	0.119
	6	11	CR	*	767	-0.191	*	1493	-0.101						
	6	18	CR	*	767	-0.116									
	6	32	CR				*	1493	-0.146						
	6	47	CR	*	767	-0.121									
	6	97	MC	*	767	-0.122							+	11258	0.119
	6	102	MC	*	767	-0.191	*	1493	-0.101						
	6	109	MC	*	767	-0.116									
	7	8	CR	*	807	-0.112									
	7	20	CR				*	1457	-0.121						
	7	25	CR	*	807	-0.126									
	7	47	CR	*	807	-0.123									
	7	98	MC	*	807	-0.112									
	7	110	CR				*	1457	-0.121						
	7	115	MC	*	807	-0.126									
	8	10	CR	*	913	-0.171							+	8946	0.140
	8	20	CR				*	1500	-0.108						
	8	46	CR	*	913	-0.110									
	8	48	CR	*	913	-0.139									
	8	105	MC	*	913	-0.171							+	8946	0.140
	8	115	MC				*	1500	-0.108						
9	22	CR	*	1008	-0.102										
9	24	CR										+	4129	0.210	
9	27	CR	*	1008	-0.122							+	4129	0.149	
9	113	MC	*	1008	-0.102										
9	115	CR										+	4129	0.210	
10	13	CR	*	951	-0.151										
10	27	CR				*	1348	-0.101							
10	30	CR	*	951	-0.119							+	3655	0.175	
10	31	CR	*	951	-0.115							+	3655	0.109	
10	46	MC										*	3655	-0.114	
10	105	MC	*	951	-0.151										

1. DIF is not reported for N less than 100. Flag + = favoring and * = disfavoring

Table 247. Items Flagged for DIF by Education Plan Focal Group (cont'd)

Content Area	Grade	Item #	Item Type	Education Plan Focal Group ¹											
				504			GATE			IEP			Title 1		
				Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd
Writing	3	28A	CR				*	730	-0.127						
	3	31	MC				+	730	0.136						
	3	39A	CR				*	730	-0.128						
	4	3B	CR				*	1139	-0.111						
	4	69	CR	*	522	-0.149	*	1139	-0.125	*	6115	-0.130			
	4	87	MC							+	6115	0.107			
	4	92	CR	*	522	-0.153									
	5	2F	CR							*	6263	-0.106			
	5	3A	CR	*	623	-0.110									
	5	3B	CR	*	623	-0.119	*	1280	-0.103	*	6263	-0.134			
	5	69	CR	*	623	-0.202	*	1280	-0.107						
	5	80	MC							+	6263	0.105			
	5	93	CR	*	623	-0.204									
	6	3B	CR							*	5856	-0.110			
	6	73	CR	*	768	-0.124									
	6	94	CR	*	768	-0.137									
	7	3A	CR	*	808	-0.117							+	9095	0.120
	7	3B	CR	*	808	-0.111				*	5619	-0.104			
	7	70	CR	*	808	-0.124									
	7	91	MC										*	9095	-0.100
	7	93	CR	*	808	-0.124									
	8	3B	CR				*	1492	-0.110						
	8	75	CR	*	905	-0.139									
	9	55	MC										*	4128	-0.111
	9	72	CR	*	1004	-0.158							+	4128	0.116
	9	94	CR	*	1004	-0.159							+	4128	0.124
10	2E	CR				+	1345	0.112							
10	3A	CR										+	3664	0.123	
10	3B	CR							*	4317	-0.100	+	3664	0.114	
10	71	CR	*	953	-0.161							+	3664	0.143	
10	95	CR	*	953	-0.119										
Mathematics	4	23	CR	+	522	0.137									
	4	46	CR							*	6132	-0.128			
	5	69	CR	+	630	0.112									
	7	20	CR				+	1457	0.119						
	7	56	CR				+	1457	0.122						
	7	60	CR				+	1457	0.106						
	8	20	CR									*	8943	-0.106	
	8	60	CR									+	8943	0.101	
	9	5	MC	*	1003	-0.101				*	4922	-0.132	*	4134	-0.111
9	7	CR									*	4134	-0.135		
9	60	CR									+	4134	0.104		
Science	8	24	CR	*	910	-0.245				*	5252	-0.151	+	8916	0.143
	10	21	CR							*	4332	-0.145	+	3661	0.124
	10	24	CR	*	962	-0.117									

1. DIF is not reported for N less than 100. Flag + = favoring and * = disfavoring

Table 248. Items Flagged for DIF by Homeless, Immigrant, Migrant, Free-Lunch Eligible

Content Area	Grade	Item #	Item Type	Focal Group ¹											
				Homeless			Immigrant			Migrant			Free Lunch		
				Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd
Reading	3	17	CR				+	734	0.102						
	4	6	CR				+	555	0.116						
	4	8	CR				+	555	0.135						
	4	25	CR							+	200	0.152			
	4	44	CR				+	555	0.144	+	200	0.201			
	4	95	CR				+	555	0.116						
	4	97	MC				+	555	0.135						
	4	114	MC							+	200	0.152			
	5	7	MC				*	586	-0.101						
	5	29	CR				+	586	0.161						
	5	38	CR				+	586	0.119						
	5	40	CR				+	586	0.123						
	5	47	CR				+	586	0.123						
	5	97	MC				*	586	-0.101						
	6	11	CR				+	499	0.210	+	174	0.219			
	6	28	CR				+	499	0.126						
	6	34	MC							*	174	-0.113			
	6	46	CR				+	499	0.108						
	6	47	CR				+	499	0.101						
	6	49	MC							*	174	-0.147			
	6	102	MC				+	499	0.210	+	174	0.219			
	7	4	MC				+	525	0.107						
	7	7	MC							*	161	-0.111			
	7	13	CR				+	525	0.236	+	161	0.109			
	7	38	MC				*	525	-0.137						
	7	94	MC				+	525	0.107						
	7	97	CR							*	161	-0.111			
	7	103	MC				+	525	0.236	+	161	0.109			
	8	4	MC				*	497	-0.128						
	8	10	CR				+	497	0.154						
	8	14	MC				*	497	-0.125						
	8	20	CR				+	497	0.109	+	181	0.137			
	8	27	MC				*	497	-0.142	*	181	-0.116			
	8	30	CR				+	497	0.123						
	8	39	MC				*	497	-0.104	*	181	-0.104			
	8	46	CR							+	181	0.193			
	8	54	CR				+	497	0.148	+	181	0.104			
	8	55	MC				+	497	0.102						
	8	99	MC				*	497	-0.128						
	8	105	MC				+	497	0.154						
8	109	MC				*	497	-0.125							
8	115	MC				+	497	0.109	+	181	0.137				
9	4	CR				+	528	0.121							
9	6	MC							*	165	-0.107				
9	7	CR				*	528	-0.153							
9	10	MC							*	165	-0.126				
9	12	MC							*	165	-0.113				
9	13	CR							+	165	0.117				
9	17	MC				*			*	165	-0.104				
9	24	CR				+	528	0.184	+	165	0.123				
9	25	MC							*	165	-0.101				

1. DIF is not reported for N less than 100. Flag + = favoring and * = disfavoring

Table 248. Items Flagged for DIF by Homeless, Immigrant, Migrant, Free-Lunch Eligible (cont'd)

Content Area	Grade	Item #	Item Type	Focal Group ¹											
				Homeless			Immigrant			Migrant			Free Lunch		
				Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd
Reading	9	27	CR				+	528	0.328	+	165	0.259			
	9	40	CR				+	528	0.126	+	165	0.140			
	9	95	MC				+	528	0.121						
	9	97	MC							*	165	-0.107			
	9	98	MC				*	528	-0.153						
	9	101	MC							*	165	-0.126			
	9	103	MC							*	165	-0.113			
	9	104	MC							+	165	0.117			
	9	108	MC							*	165	-0.104			
	9	115	CR				+	528	0.184	+	165	0.123			
	10	5	MC							*	143	-0.104			
	10	8	MC							*	143	-0.134			
	10	11	CR	+	701	0.102									
	10	13	CR							+	143	0.223			
	10	21	CR				+	574	0.173	+	143	0.139			
	10	27	CR				*	574	-0.182						
	10	30	CR				+	574	0.102	+	143	0.177			
	10	31	CR				+	574	0.260	+	143	0.174			
	10	43	MC							*	143	-0.116			
	10	46	MC							*	143	-0.121			
	10	47	CR							+	143	0.293			
	10	97	MC							*	143	-0.104			
	10	100	MC							*	143	-0.134			
	10	103	MC	+	701	0.102									
	10	105	MC							+	143	0.223			
	10	113	MC				+	574	0.173	+	143	0.139			
Writing	3	39C	CR				+			+	211	0.114			
	4	2C	CR				+	552	0.118						
	4	52	MC				*	552	-0.113						
	4	75	MC				*	552	-0.129						
	4	82	MC							*	200	-0.107			
	4	92	CR							+	200	0.221			
	5	66	MC				*	587	-0.105						
	5	90	MC				*	587	-0.114	*	188	-0.106			
	6	2D	CR				+	500	0.108						
	6	55	MC				*	500	-0.141	*	173	-0.125			
	6	65	MC							*	173	-0.117			
	6	81	MC							+	173	0.140			
	6	94	CR							+	173	0.197			
	7	2B	CR				*	526	-0.176						
	7	3A	CR							+	160	0.188			
	7	53	MC				*	526	-0.142						
	7	85	MC				*	526	-0.163	*	160	-0.183			
	7	91	MC				*	526	-0.227	*	160	-0.227			

1. DIF is not reported for N less than 100. Flag + = favoring and * = disfavoring

Table 248. Items Flagged for DIF by Homeless, Immigrant, Migrant, Free-Lunch Eligible (cont'd)

Content Area	Grade	Item #	Item Type	Focal Group ¹											
				Homeless			Immigrant			Migrant			Free Lunch		
				Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd
Writing	8	2F	CR							+	180	0.109			
	8	59	MC				*	494	-0.107						
	8	61	MC				*	494	-0.116						
	8	68	MC							+	180	0.122			
	8	75	CR							+	180	0.258			
	8	80	MC				*	494	-0.290	*	180	-0.241			
	8	83	MC							*	180	-0.175			
	8	91	MC							*	180	-0.105			
	8	96	MC							+	180	0.111			
	8	98	CR				+	494	0.157						
	9	2D	CR							+	166	0.102			
	9	55	MC				*	527	-0.204	*	166	-0.190			
	9	57	MC				*	527	-0.173	*	166	-0.119			
	9	66	MC							*	166	-0.140			
	9	90	MC							+	166	0.100			
	9	94	CR				+	527	0.128						
	10	2A	CR							*	146	-0.132			
	10	2B	CR				*	579	-0.156	*	146	-0.141			
	10	2C	CR							*	146	-0.129			
	10	2F	CR				*	579	-0.259	*	146	-0.231			
	10	60	MC							*	146	-0.150			
	10	62	MC				+	579	0.109						
	10	69	MC				+	579	0.119						
	10	71	CR				+	579	0.150						
	10	72	MC				*	579	-0.156	*	146	-0.150			
	10	73	MC							*	146	-0.114			
	10	82	MC							*	146	-0.106			
	10	83	MC				+	578	0.103	+	146	0.113			
10	84	MC				+	578	0.104							
10	91	MC				+	579	0.109	+	146	0.105				
Mathematics	3	15	MC				*	805	-0.111	*	218	-0.125			
	3	25	CR				+	805	0.110						
	3	37	CR				*	805	-0.121						
	4	7	CR							+	201	0.106			
	4	14	CR				*	586	-0.193						
	4	41	CR							+	201	0.137			
	5	6	CR							*	189	-0.140			
	6	11	CR				*	506	-0.113						
	6	36	CR				*	506	-0.128						
	6	39	MC							+	176	0.126			
	6	44	MC				*	506	-0.142	*	176	-0.122			
	6	46	CR				*	506	-0.187						
	6	54	MC				+	506	0.105	+	176	0.106			
	6	60	CR	*	1001	-0.100									
	7	6	CR				+	529	0.167						
	7	40	CR				+	529	0.142						
	7	42	MC				*	529	-0.104						

1. DIF is not reported for N less than 100. Flag + = favoring and * = disfavoring

Table 248. Items Flagged for DIF by Homeless, Immigrant, Migrant, Free-Lunch Eligible (cont'd)

Content Area	Grade	Item #	Item Type	Focal Group ¹											
				Homeless			Immigrant			Migrant			Free Lunch		
				Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd
Mathematics	8	9	CR				*	501	-0.128						
	8	20	CR	*	910	-0.118									
	8	25	CR				+	501	0.153						
	8	29	MC							+	181	0.107			
	8	35	CR				*	501	-0.127						
	8	38	MC							+	181	0.108			
	8	47	CR				*	501	-0.112						
	8	53	CR				*	501	-0.377						
	8	60	CR	+	910	0.113	+	501	0.221						
	9	5	MC	*	721	-0.145	*	530	-0.111	*	168	-0.127	*	18083	-0.119
	9	16	MC				*	530	-0.122						
	9	20	CR				*	530	-0.193						
	9	53	CR	*	721	-0.103	*	530	-0.119						
	9	60	CR				+	530	0.139						
	10	20	CR	*	718	-0.101	*	578	-0.189						
	10	29	CR				*	578	-0.149						
	10	35	CR							*	146	-0.162			
	10	44	CR				*	578	-0.154	*	146	-0.158			
	10	52	CR				+	578	0.130						
	10	60	CR				+	578	0.107						
Science	8	24	CR				+	496	0.286						
	8	49	CR				*	496	-0.190						
	8	59	CR				*	496	-0.125						
	8	67	CR							+	180	0.202			
	8	74	MC				+	496	0.118						
	10	21	CR				+	580	0.219						
	10	24	CR				*	580	-0.216						
	10	28	MC							+	149	0.101			
	10	32	CR				*	580	-0.120						
	10	46	MC							+	149	0.126			
	10	82	CR				*	580	-0.121						

1. DIF is not reported for N less than 100. Flag + = favoring and * = disfavoring

Table 249. Intercorrelations among Content Areas (Scale Scores)

Grade	Content Area	Reading	Writing	Mathematics	Science
3	Reading	1.00	0.79	0.74	
	Writing		1.00	0.75	
	Mathematics			1.00	
4	Reading	1.00	0.82	0.77	
	Writing		1.00	0.77	
	Mathematics			1.00	
5	Reading	1.00	0.81	0.77	0.83
	Writing		1.00	0.79	0.78
	Mathematics			1.00	0.84
	Science				1.00
6	Reading	1.00	0.84	0.78	
	Writing		1.00	0.78	
	Mathematics			1.00	
7	Reading	1.00	0.82	0.79	
	Writing		1.00	0.77	
	Mathematics			1.00	
8	Reading	1.00	0.84	0.76	0.84
	Writing		1.00	0.76	0.80
	Mathematics			1.00	0.86
	Science				1.00
9	Reading	1.00	0.86	0.76	
	Writing		1.00	0.76	
	Mathematics			1.00	
10	Reading	1.00	0.85	0.76	0.81
	Writing		1.00	0.76	0.78
	Mathematics			1.00	0.85
	Science				1.00

Table 250. Intercorrelations among Content Areas (Percentile Ranks)

Grade	Content Area	Reading	Writing	Mathematics	Science
3	Reading	1.00	0.82	0.77	
	Writing		1.00	0.77	
	Mathematics			1.00	
4	Reading	1.00	0.85	0.79	
	Writing		1.00	0.77	
	Mathematics			1.00	
5	Reading	1.00	0.85	0.79	0.87
	Writing		1.00	0.79	0.79
	Mathematics			1.00	0.84
	Science				1.00
6	Reading	1.00	0.86	0.79	
	Writing		1.00	0.78	
	Mathematics			1.00	
7	Reading	1.00	0.85	0.80	
	Writing		1.00	0.78	
	Mathematics			1.00	
8	Reading	1.00	0.86	0.77	0.85
	Writing		1.00	0.77	0.82
	Mathematics			1.00	0.87
	Science				1.00
9	Reading	1.00	0.88	0.78	
	Writing		1.00	0.78	
	Mathematics			1.00	
10	Reading	1.00	0.87	0.77	0.82
	Writing		1.00	0.76	0.78
	Mathematics			1.00	0.85
	Science				1.00

Table 251. Intercorrelations with Demographic Variables

Content Area	Grade	Age	Gender	Am. Indian/ AK Native	Asian	Black	Hispanic
Reading	3	-0.071	-0.115	-0.030	0.028	-0.092	-0.270
	4	-0.085	-0.118	-0.029	0.026	-0.095	-0.280
	5	-0.103	-0.111	-0.032	0.035	-0.101	-0.293
	6	-0.121	-0.140	-0.031	0.027	-0.105	-0.307
	7	-0.129	-0.131	-0.029	0.028	-0.109	-0.291
	8	-0.121	-0.149	-0.034	0.036	-0.112	-0.306
	9	-0.185	-0.156	-0.027	0.042	-0.104	-0.291
	10	-0.194	-0.187	-0.025	0.030	-0.110	-0.254
Writing	3	-0.085	-0.162	-0.033	0.040	-0.090	-0.239
	4	-0.091	-0.176	-0.039	0.057	-0.092	-0.267
	5	-0.109	-0.179	-0.035	0.062	-0.091	-0.266
	6	-0.130	-0.199	-0.037	0.048	-0.094	-0.266
	7	-0.142	-0.228	-0.033	0.060	-0.097	-0.259
	8	-0.135	-0.226	-0.042	0.054	-0.095	-0.267
	9	-0.197	-0.206	-0.029	0.045	-0.104	-0.279
	10	-0.194	-0.214	-0.034	0.038	-0.107	-0.257
Mathematics	3	-0.052	0.037	-0.029	0.062	-0.127	-0.298
	4	-0.078	0.025	-0.036	0.070	-0.132	-0.295
	5	-0.107	-0.004	-0.034	0.080	-0.133	-0.285
	6	-0.133	-0.006	-0.037	0.075	-0.128	-0.286
	7	-0.143	-0.017	-0.033	0.070	-0.133	-0.291
	8	-0.133	-0.012	-0.037	0.085	-0.136	-0.285
	9	-0.215	0.007	-0.030	0.080	-0.128	-0.291
	10	-0.208	0.011	-0.033	0.071	-0.135	-0.285
Science	5	-0.079	0.010	-0.034	0.036	-0.136	-0.347
	8	-0.120	-0.018	-0.036	0.051	-0.127	-0.314
	10	-0.183	0.011	-0.028	0.025	-0.139	-0.319
Reading Spanish	3	-0.067	-0.172	-0.013			-0.001
	4	-0.028	-0.211				
Writing Spanish	3	-0.052	-0.188	0.019			-0.014
	4	0.043	-0.249				

Table 252. Predictive Validity Coefficients

Content Area	Grade in 2011	Grade in 2012	Number Matched	Reliability 2011	Reliability 2012	Correlation $r_{2011-2012}$	Validity Coefficient
Reading	3	4	57934	0.94	0.94	0.83	0.88
	4	5	58563	0.93	0.94	0.87	0.93
	5	6	57968	0.93	0.93	0.87	0.94
	6	7	56923	0.93	0.93	0.87	0.93
	7	8	56177	0.93	0.93	0.87	0.94
	8	9	54344	0.93	0.92	0.86	0.93
	9	10	52626	0.94	0.93	0.85	0.90
Writing	3	4	58076	0.90	0.91	0.75	0.83
	4	5	59221	0.91	0.92	0.77	0.84
	5	6	58107	0.91	0.91	0.80	0.88
	6	7	57245	0.91	0.92	0.79	0.86
	7	8	56251	0.90	0.91	0.81	0.89
	8	9	54354	0.92	0.92	0.82	0.89
	9	10	52836	0.92	0.92	0.80	0.87
Mathematics	3	4	59388	0.94	0.95	0.85	0.90
	4	5	59207	0.94	0.94	0.89	0.94
	5	6	57909	0.94	0.94	0.89	0.94
	6	7	56893	0.93	0.94	0.89	0.95
	7	8	55977	0.94	0.94	0.90	0.96
	8	9	53589	0.93	0.94	0.89	0.95
	9	10	52334	0.93	0.94	0.90	0.96

* The Spanish version tests were removed from this table due to having very small n counts.

Table 253. Classification Consistency and Classification Accuracy for Reading Grade 3**Contingency Table with All Cut Scores**

	Unsatisfactory	Partially Proficient	Proficient	Advanced	Sum
Unsatisfactory	0.0409	0.0112	0.0004	0.0000	0.0525
Partially Proficient	0.0107	0.0668	0.0331	0.0000	0.1107
Proficient	0.0003	0.0326	0.5318	0.0679	0.6325
Advanced	0.0000	0.0000	0.0632	0.1411	0.2043
Sum	0.0519	0.1107	0.6285	0.2090	0.2609
Observed Score Dist.	0.0796	0.1770	0.6670	0.0720	

Indices for Classification Consistency and Classification Accuracy

	Cut 1	Cut 2	Cut 3	All Cuts
Classification Agreement (P)	0.9774	0.9337	0.8689	0.7805
Chance Probability (Pc)	0.9011	0.7273	0.6721	0.4552
Kappa	0.7712	0.7567	0.6000	0.5972
Classification Accuracy	0.9837	0.9550	0.9025	0.8412

Table 254. Classification Consistency and Classification Accuracy for Reading Grade 4**Contingency Table with All Cut Scores**

	Unsatisfactory	Partially Proficient	Proficient	Advanced	Sum
Unsatisfactory	0.0908	0.0196	0.0000	0.0000	0.1104
Partially Proficient	0.0181	0.1603	0.0385	0.0000	0.2169
Proficient	0.0000	0.0422	0.5480	0.0233	0.6135
Advanced	0.0000	0.0000	0.0227	0.0366	0.0592
Sum	0.1088	0.2221	0.6092	0.0598	0.1686
Observed Score Dist.	0.1053	0.2213	0.6257	0.0443	

Indices for Classification Consistency and Classification Accuracy

	Cut 1	Cut 2	Cut 3	All Cuts
Classification Agreement (P)	0.9623	0.9193	0.9540	0.8356
Chance Probability (Pc)	0.8048	0.5584	0.8880	0.4375
Kappa	0.8069	0.8172	0.5896	0.7078
Classification Accuracy	0.9734	0.9456	0.9643	0.8833

Table 255. Classification Consistency and Classification Accuracy for Reading Grade 5**Contingency Table with All Cut Scores**

	Unsatisfactory	Partially Proficient	Proficient	Advanced	Sum
Unsatisfactory	0.1002	0.0190	0.0002	0.0000	0.1193
Partially Proficient	0.0184	0.1324	0.0347	0.0000	0.1854
Proficient	0.0002	0.0362	0.5342	0.0294	0.6000
Advanced	0.0000	0.0000	0.0322	0.0631	0.0953
Sum	0.1188	0.1875	0.6012	0.0925	0.2113
Observed Score Dist.	0.1153	0.1834	0.6124	0.0815	

Indices for Classification Consistency and Classification Accuracy

	Cut 1	Cut 2	Cut 3	All Cuts
Classification Agreement (P)	0.9623	0.9288	0.9384	0.8298
Chance Probability (Pc)	0.7903	0.5756	0.8298	0.4185
Kappa	0.8202	0.8322	0.6378	0.7074
Classification Accuracy	0.9719	0.9482	0.9557	0.8757

Table 256. Classification Consistency and Classification Accuracy for Reading Grade 6**Contingency Table with All Cut Scores**

	Unsatisfactory	Partially Proficient	Proficient	Advanced	Sum
Unsatisfactory	0.0642	0.0134	0.0000	0.0000	0.0776
Partially Proficient	0.0139	0.1252	0.0356	0.0000	0.1747
Proficient	0.0000	0.0334	0.5305	0.0421	0.6061
Advanced	0.0000	0.0000	0.0427	0.0990	0.1417
Sum	0.0781	0.1720	0.6087	0.1411	0.2192
Observed Score Dist.	0.0849	0.1796	0.6156	0.1151	

Indices for Classification Consistency and Classification Accuracy

	Cut 1	Cut 2	Cut 3	All Cuts
Classification Agreement (P)	0.9726	0.9310	0.9152	0.8189
Chance Probability (Pc)	0.8564	0.6238	0.7572	0.4250
Kappa	0.8095	0.8166	0.6507	0.6850
Classification Accuracy	0.9809	0.9529	0.9402	0.8739

Table 257. Classification Consistency and Classification Accuracy for Reading Grade 7**Contingency Table with All Cut Scores**

	Unsatisfactory	Partially Proficient	Proficient	Advanced	Sum
Unsatisfactory	0.1006	0.0189	0.0000	0.0000	0.1195
Partially Proficient	0.0194	0.1360	0.0365	0.0000	0.1919
Proficient	0.0000	0.0498	0.4934	0.0353	0.5785
Advanced	0.0000	0.0000	0.0407	0.0694	0.1101
Sum	0.1200	0.2048	0.5705	0.1047	0.2247
Observed Score Dist.	0.1139	0.1982	0.5931	0.0895	

Indices for Classification Consistency and Classification Accuracy

	Cut 1	Cut 2	Cut 3	All Cuts
Classification Agreement (P)	0.9617	0.9137	0.9240	0.7994
Chance Probability (Pc)	0.7892	0.5661	0.8082	0.3952
Kappa	0.8184	0.8011	0.6038	0.6684
Classification Accuracy	0.9746	0.9381	0.9448	0.8576

Table 258. Classification Consistency and Classification Accuracy for Reading Grade 8**Contingency Table with All Cut Scores**

	Unsatisfactory	Partially Proficient	Proficient	Advanced	Sum
Unsatisfactory	0.0895	0.0181	0.0000	0.0000	0.1076
Partially Proficient	0.0189	0.1569	0.0458	0.0000	0.2216
Proficient	0.0000	0.0421	0.4995	0.0338	0.5754
Advanced	0.0000	0.0000	0.0301	0.0653	0.0955
Sum	0.1084	0.2171	0.5754	0.0991	0.2075
Observed Score Dist.	0.1045	0.2177	0.5888	0.0817	

Indices for Classification Consistency and Classification Accuracy

	Cut 1	Cut 2	Cut 3	All Cuts
Classification Agreement (P)	0.9630	0.9122	0.9361	0.8112
Chance Probability (Pc)	0.8074	0.5596	0.8243	0.4003
Kappa	0.8077	0.8006	0.6361	0.6852
Classification Accuracy	0.9731	0.9404	0.9539	0.8674

Table 259. Classification Consistency and Classification Accuracy for Reading Grade 9**Contingency Table with All Cut Scores**

	Unsatisfactory	Partially Proficient	Proficient	Advanced	Sum
Unsatisfactory	0.0575	0.0163	0.0000	0.0000	0.0738
Partially Proficient	0.0148	0.1868	0.0433	0.0000	0.2450
Proficient	0.0000	0.0452	0.5679	0.0189	0.6320
Advanced	0.0000	0.0000	0.0195	0.0298	0.0493
Sum	0.0723	0.2482	0.6307	0.0487	0.1210
Observed Score Dist.	0.0660	0.2450	0.6343	0.0395	

Indices for Classification Consistency and Classification Accuracy

	Cut 1	Cut 2	Cut 3	All Cuts
Classification Agreement (P)	0.9689	0.9115	0.9615	0.8420
Chance Probability (Pc)	0.8646	0.5651	0.9068	0.4671
Kappa	0.7706	0.7966	0.5871	0.7034
Classification Accuracy	0.9783	0.9360	0.9738	0.8881

Table 260. Classification Consistency and Classification Accuracy for Reading Grade 10**Contingency Table with All Cut Scores**

	Unsatisfactory	Partially Proficient	Proficient	Advanced	Sum
Unsatisfactory	0.0641	0.0133	0.0000	0.0000	0.0774
Partially Proficient	0.0150	0.1712	0.0390	0.0000	0.2252
Proficient	0.0000	0.0441	0.5376	0.0244	0.6062
Advanced	0.0000	0.0000	0.0305	0.0607	0.0912
Sum	0.0791	0.2286	0.6072	0.0851	0.1642
Observed Score Dist.	0.0722	0.2209	0.6045	0.0776	

Indices for Classification Consistency and Classification Accuracy

	Cut 1	Cut 2	Cut 3	All Cuts
Classification Agreement (P)	0.9716	0.9169	0.9451	0.8336
Chance Probability (Pc)	0.8558	0.5759	0.8392	0.4334
Kappa	0.8032	0.8040	0.6584	0.7062
Classification Accuracy	0.9804	0.9422	0.9596	0.8822

Table 261. Classification Consistency and Classification Accuracy for Writing Grade 3**Contingency Table with All Cut Scores**

	Unsatisfactory	Partially Proficient	Proficient	Advanced	Sum
Unsatisfactory	0.0480	0.0141	0.0000	0.0000	0.0621
Partially Proficient	0.0138	0.3321	0.0631	0.0004	0.4093
Proficient	0.0000	0.0667	0.3282	0.0369	0.4318
Advanced	0.0000	0.0000	0.0355	0.0613	0.0967
Sum	0.0618	0.4129	0.4267	0.0986	0.1604
Observed Score Dist.	0.0577	0.4131	0.4520	0.0726	

Indices for Classification Consistency and Classification Accuracy

	Cut 1	Cut 2	Cut 3	All Cuts
Classification Agreement (P)	0.9721	0.8699	0.9272	0.7696
Chance Probability (Pc)	0.8838	0.5014	0.8238	0.3667
Kappa	0.7602	0.7390	0.5870	0.6362
Classification Accuracy	0.9798	0.9072	0.9457	0.8327

Table 262. Classification Consistency and Classification Accuracy for Writing Grade 4**Contingency Table with All Cut Scores**

	Unsatisfactory	Partially Proficient	Proficient	Advanced	Sum
Unsatisfactory	0.0616	0.0174	0.0000	0.0000	0.0790
Partially Proficient	0.0208	0.3516	0.0561	0.0000	0.4285
Proficient	0.0000	0.0562	0.3156	0.0325	0.4043
Advanced	0.0000	0.0000	0.0293	0.0588	0.0882
Sum	0.0824	0.4252	0.4010	0.0913	0.1737
Observed Score Dist.	0.0751	0.4280	0.4212	0.0715	

Indices for Classification Consistency and Classification Accuracy

	Cut 1	Cut 2	Cut 3	All Cuts
Classification Agreement (P)	0.9618	0.8877	0.9382	0.7877
Chance Probability (Pc)	0.8516	0.5001	0.8366	0.3589
Kappa	0.7426	0.7753	0.6219	0.6688
Classification Accuracy	0.9727	0.9145	0.9570	0.8441

Table 263. Classification Consistency and Classification Accuracy for Writing Grade 5**Contingency Table with All Cut Scores**

	Unsatisfactory	Partially Proficient	Proficient	Advanced	Sum
Unsatisfactory	0.0431	0.0139	0.0000	0.0000	0.0570
Partially Proficient	0.0136	0.2936	0.0488	0.0000	0.3559
Proficient	0.0000	0.0521	0.3669	0.0418	0.4609
Advanced	0.0000	0.0000	0.0364	0.0898	0.1262
Sum	0.0567	0.3596	0.4521	0.1316	0.1883
Observed Score Dist.	0.0519	0.3598	0.4759	0.1084	

Indices for Classification Consistency and Classification Accuracy

	Cut 1	Cut 2	Cut 3	All Cuts
Classification Agreement (P)	0.9725	0.8991	0.9218	0.7934
Chance Probability (Pc)	0.8928	0.5146	0.7754	0.3562
Kappa	0.7434	0.7921	0.6518	0.6790
Classification Accuracy	0.9803	0.9268	0.9432	0.8503

Table 264. Classification Consistency and Classification Accuracy for Writing Grade 6**Contingency Table with All Cut Scores**

	Unsatisfactory	Partially Proficient	Proficient	Advanced	Sum
Unsatisfactory	0.0408	0.0151	0.0000	0.0000	0.0559
Partially Proficient	0.0147	0.3135	0.0536	0.0000	0.3818
Proficient	0.0000	0.0619	0.3557	0.0345	0.4521
Advanced	0.0000	0.0000	0.0349	0.0752	0.1102
Sum	0.0556	0.3905	0.4443	0.1097	0.1653
Observed Score Dist.	0.0520	0.3819	0.4669	0.0936	

Indices for Classification Consistency and Classification Accuracy

	Cut 1	Cut 2	Cut 3	All Cuts
Classification Agreement (P)	0.9702	0.8845	0.9306	0.7853
Chance Probability (Pc)	0.8948	0.5067	0.8043	0.3651
Kappa	0.7171	0.7658	0.6452	0.6618
Classification Accuracy	0.9796	0.9225	0.9512	0.8533

Table 265. Classification Consistency and Classification Accuracy for Writing Grade 7**Contingency Table with All Cut Scores**

	Unsatisfactory	Partially Proficient	Proficient	Advanced	Sum
Unsatisfactory	0.0240	0.0122	0.0000	0.0000	0.0362
Partially Proficient	0.0114	0.2830	0.0547	0.0000	0.3491
Proficient	0.0000	0.0500	0.3566	0.0472	0.4538
Advanced	0.0000	0.0000	0.0421	0.1188	0.1609
Sum	0.0354	0.3452	0.4534	0.1660	0.2014
Observed Score Dist.	0.0301	0.3468	0.4766	0.1410	

Indices for Classification Consistency and Classification Accuracy

	Cut 1	Cut 2	Cut 3	All Cuts
Classification Agreement (P)	0.9764	0.8953	0.9106	0.7824
Chance Probability (Pc)	0.9310	0.5274	0.7265	0.3543
Kappa	0.6582	0.7785	0.6733	0.6630
Classification Accuracy	0.9838	0.9302	0.9326	0.8465

Table 266. Classification Consistency and Classification Accuracy for Writing Grade 8**Contingency Table with All Cut Scores**

	Unsatisfactory	Partially Proficient	Proficient	Advanced	Sum
Unsatisfactory	0.0251	0.0112	0.0000	0.0000	0.0362
Partially Proficient	0.0115	0.3484	0.0630	0.0000	0.4229
Proficient	0.0000	0.0519	0.3367	0.0379	0.4265
Advanced	0.0000	0.0000	0.0316	0.0827	0.1144
Sum	0.0366	0.4114	0.4313	0.1207	0.1573
Observed Score Dist.	0.0307	0.4114	0.4496	0.0980	

Indices for Classification Consistency and Classification Accuracy

	Cut 1	Cut 2	Cut 3	All Cuts
Classification Agreement (P)	0.9773	0.8852	0.9304	0.7929
Chance Probability (Pc)	0.9298	0.5043	0.7926	0.3731
Kappa	0.6765	0.7684	0.6646	0.6696
Classification Accuracy	0.9845	0.9193	0.9481	0.8520

Table 267. Classification Consistency and Classification Accuracy for Writing Grade 9**Contingency Table with All Cut Scores**

	Unsatisfactory	Partially Proficient	Proficient	Advanced	Sum
Unsatisfactory	0.0345	0.0134	0.0000	0.0000	0.0479
Partially Proficient	0.0133	0.3752	0.0510	0.0000	0.4395
Proficient	0.0000	0.0497	0.3484	0.0314	0.4295
Advanced	0.0000	0.0000	0.0281	0.0549	0.0830
Sum	0.0478	0.4384	0.4275	0.0863	0.1341
Observed Score Dist.	0.0410	0.4316	0.4426	0.0678	

Indices for Classification Consistency and Classification Accuracy

	Cut 1	Cut 2	Cut 3	All Cuts
Classification Agreement (P)	0.9733	0.8992	0.9405	0.8130
Chance Probability (Pc)	0.9089	0.5003	0.8450	0.3858
Kappa	0.7069	0.7984	0.6160	0.6956
Classification Accuracy	0.9814	0.9301	0.9593	0.8708

Table 268. Classification Consistency and Classification Accuracy for Writing Grade 10**Contingency Table with All Cut Scores**

	Unsatisfactory	Partially Proficient	Proficient	Advanced	Sum
Unsatisfactory	0.0508	0.0132	0.0000	0.0000	0.0640
Partially Proficient	0.0142	0.3600	0.0685	0.0000	0.4427
Proficient	0.0000	0.0603	0.3308	0.0297	0.4208
Advanced	0.0000	0.0000	0.0252	0.0473	0.0725
Sum	0.0650	0.4335	0.4244	0.0770	0.1420
Observed Score Dist.	0.0592	0.4340	0.4253	0.0578	

Indices for Classification Consistency and Classification Accuracy

	Cut 1	Cut 2	Cut 3	All Cuts
Classification Agreement (P)	0.9726	0.8712	0.9451	0.7889
Chance Probability (Pc)	0.8793	0.5000	0.8616	0.3803
Kappa	0.7728	0.7425	0.6030	0.6593
Classification Accuracy	0.9803	0.9057	0.9604	0.8464

Table 269. Classification Consistency and Classification Accuracy for Mathematics Grade 3**Contingency Table with All Cut Scores**

	Unsatisfactory	Partially Proficient	Proficient	Advanced	Sum
Unsatisfactory	0.0644	0.0217	0.0000	0.0000	0.0861
Partially Proficient	0.0216	0.1480	0.0399	0.0000	0.2095
Proficient	0.0000	0.0402	0.2935	0.0533	0.3870
Advanced	0.0000	0.0000	0.0533	0.2641	0.3173
Sum	0.0860	0.2099	0.3867	0.3173	0.4033
Observed Score Dist.	0.0790	0.2093	0.4043	0.3074	

Indices for Classification Consistency and Classification Accuracy

	Cut 1	Cut 2	Cut 3	All Cuts
Classification Agreement (P)	0.9567	0.9199	0.8934	0.7700
Chance Probability (Pc)	0.8426	0.5834	0.5667	0.3018
Kappa	0.7247	0.8077	0.7541	0.6706
Classification Accuracy	0.9705	0.9397	0.9216	0.8318

Table 270. Classification Consistency and Classification Accuracy for Mathematics Grade 4**Contingency Table with All Cut Scores**

	Unsatisfactory	Partially Proficient	Proficient	Advanced	Sum
Unsatisfactory	0.0719	0.0159	0.0002	0.0000	0.0880
Partially Proficient	0.0160	0.1475	0.0310	0.0000	0.1946
Proficient	0.0000	0.0356	0.3291	0.0406	0.4053
Advanced	0.0000	0.0000	0.0501	0.2620	0.3121
Sum	0.0879	0.1991	0.4104	0.3026	0.3905
Observed Score Dist.	0.0836	0.1994	0.4121	0.3050	

Indices for Classification Consistency and Classification Accuracy

	Cut 1	Cut 2	Cut 3	All Cuts
Classification Agreement (P)	0.9679	0.9332	0.9094	0.8106
Chance Probability (Pc)	0.8395	0.5926	0.5742	0.3073
Kappa	0.7999	0.8360	0.7871	0.7266
Classification Accuracy	0.9762	0.9585	0.9320	0.8667

Table 271. Classification Consistency and Classification Accuracy for Mathematics Grade 5**Contingency Table with All Cut Scores**

	Unsatisfactory	Partially Proficient	Proficient	Advanced	Sum
Unsatisfactory	0.0912	0.0164	0.0000	0.0000	0.1076
Partially Proficient	0.0176	0.1746	0.0318	0.0000	0.2239
Proficient	0.0000	0.0341	0.2634	0.0339	0.3314
Advanced	0.0000	0.0000	0.0390	0.2980	0.3370
Sum	0.1088	0.2251	0.3342	0.3320	0.4408
Observed Score Dist.	0.0970	0.2561	0.3639	0.2831	

Indices for Classification Consistency and Classification Accuracy

	Cut 1	Cut 2	Cut 3	All Cuts
Classification Agreement (P)	0.9660	0.9341	0.9271	0.8272
Chance Probability (Pc)	0.8070	0.5560	0.5548	0.2848
Kappa	0.8239	0.8516	0.8362	0.7584
Classification Accuracy	0.9761	0.9516	0.9278	0.8555

Table 272. Classification Consistency and Classification Accuracy for Mathematics Grade 6**Contingency Table with All Cut Scores**

	Unsatisfactory	Partially Proficient	Proficient	Advanced	Sum
Unsatisfactory	0.1023	0.0286	0.0000	0.0000	0.1309
Partially Proficient	0.0231	0.1886	0.0346	0.0000	0.2463
Proficient	0.0000	0.0449	0.2951	0.0326	0.3726
Advanced	0.0000	0.0000	0.0303	0.2199	0.2502
Sum	0.1255	0.2620	0.3600	0.2525	0.3780
Observed Score Dist.	0.1225	0.2593	0.3709	0.2473	

Indices for Classification Consistency and Classification Accuracy

	Cut 1	Cut 2	Cut 3	All Cuts
Classification Agreement (P)	0.9483	0.9204	0.9371	0.8059
Chance Probability (Pc)	0.7765	0.5276	0.6236	0.2783
Kappa	0.7689	0.8316	0.8329	0.7311
Classification Accuracy	0.9659	0.9403	0.9537	0.8599

Table 273. Classification Consistency and Classification Accuracy for Mathematics Grade 7**Contingency Table with All Cut Scores**

	Unsatisfactory	Partially Proficient	Proficient	Advanced	Sum
Unsatisfactory	0.1208	0.0350	0.0003	0.0000	0.1561
Partially Proficient	0.0353	0.2318	0.0479	0.0000	0.3149
Proficient	0.0000	0.0361	0.2098	0.0310	0.2769
Advanced	0.0000	0.0000	0.0347	0.2174	0.2521
Sum	0.1561	0.3029	0.2927	0.2484	0.4045
Observed Score Dist.	0.1471	0.3191	0.2903	0.2435	

Indices for Classification Consistency and Classification Accuracy

	Cut 1	Cut 2	Cut 3	All Cuts
Classification Agreement (P)	0.9294	0.9157	0.9344	0.7798
Chance Probability (Pc)	0.7366	0.5024	0.6247	0.2634
Kappa	0.7322	0.8305	0.8251	0.7011
Classification Accuracy	0.9515	0.9409	0.9558	0.8482

Table 274. Classification Consistency and Classification Accuracy for Mathematics Grade 8**Contingency Table with All Cut Scores**

	Unsatisfactory	Partially Proficient	Proficient	Advanced	Sum
Unsatisfactory	0.1742	0.0418	0.0000	0.0000	0.2160
Partially Proficient	0.0402	0.1791	0.0429	0.0000	0.2622
Proficient	0.0000	0.0456	0.1941	0.0314	0.2711
Advanced	0.0000	0.0000	0.0308	0.2198	0.2506
Sum	0.2144	0.2665	0.2679	0.2512	0.4656
Observed Score Dist.	0.2102	0.2714	0.2737	0.2447	

Indices for Classification Consistency and Classification Accuracy

	Cut 1	Cut 2	Cut 3	All Cuts
Classification Agreement (P)	0.9180	0.9114	0.9378	0.7673
Chance Probability (Pc)	0.6622	0.5008	0.6241	0.2518
Kappa	0.7572	0.8226	0.8346	0.6889
Classification Accuracy	0.9434	0.9410	0.9563	0.8406

Table 275. Classification Consistency and Classification Accuracy for Mathematics Grade 9**Contingency Table with All Cut Scores**

	Unsatisfactory	Partially Proficient	Proficient	Advanced	Sum
Unsatisfactory	0.2720	0.0467	0.0004	0.0000	0.3190
Partially Proficient	0.0476	0.2100	0.0368	0.0000	0.2944
Proficient	0.0000	0.0367	0.1832	0.0182	0.2381
Advanced	0.0000	0.0000	0.0228	0.1257	0.1485
Sum	0.3195	0.2934	0.2432	0.1438	0.4633
Observed Score Dist.	0.3134	0.3053	0.2398	0.1414	

Indices for Classification Consistency and Classification Accuracy

	Cut 1	Cut 2	Cut 3	All Cuts
Classification Agreement (P)	0.9054	0.9261	0.9590	0.7908
Chance Probability (Pc)	0.5653	0.5256	0.7504	0.2676
Kappa	0.7823	0.8443	0.8357	0.7144
Classification Accuracy	0.9340	0.9478	0.9675	0.8493

Table 276. Classification Consistency and Classification Accuracy for Mathematics Grade 10**Contingency Table with All Cut Scores**

	Unsatisfactory	Partially Proficient	Proficient	Advanced	Sum
Unsatisfactory	0.2520	0.0509	0.0000	0.0000	0.3029
Partially Proficient	0.0387	0.2903	0.0308	0.0000	0.3598
Proficient	0.0000	0.0378	0.2169	0.0156	0.2704
Advanced	0.0000	0.0000	0.0146	0.0523	0.0669
Sum	0.2907	0.3790	0.2623	0.0680	0.3587
Observed Score Dist.	0.2856	0.3805	0.2704	0.0635	

Indices for Classification Consistency and Classification Accuracy

	Cut 1	Cut 2	Cut 3	All Cuts
Classification Agreement (P)	0.9104	0.9313	0.9698	0.8115
Chance Probability (Pc)	0.5825	0.5552	0.8742	0.2999
Kappa	0.7855	0.8456	0.7596	0.7308
Classification Accuracy	0.9410	0.9526	0.9781	0.8717

Table 277. Classification Consistency and Classification Accuracy for Science Grade 5**Contingency Table with All Cut Scores**

	Unsatisfactory	Partially Proficient	Proficient	Advanced	Sum
Unsatisfactory	0.1218	0.0297	0.0000	0.0000	0.1515
Partially Proficient	0.0292	0.2883	0.0429	0.0000	0.3605
Proficient	0.0000	0.0507	0.2478	0.0372	0.3356
Advanced	0.0000	0.0003	0.0379	0.1142	0.1524
Sum	0.1510	0.3690	0.3286	0.1514	0.3024
Observed Score Dist.	0.1455	0.3678	0.3471	0.1397	

Indices for Classification Consistency and Classification Accuracy

	Cut 1	Cut 2	Cut 3	All Cuts
Classification Agreement (P)	0.9410	0.9060	0.9246	0.7720
Chance Probability (Pc)	0.7432	0.5005	0.7424	0.2893
Kappa	0.7703	0.8119	0.7073	0.6792
Classification Accuracy	0.9582	0.9290	0.9466	0.8338

Table 278. Classification Consistency and Classification Accuracy for Science Grade 8**Contingency Table with All Cut Scores**

	Unsatisfactory	Partially Proficient	Proficient	Advanced	Sum
Unsatisfactory	0.1966	0.0320	0.0000	0.0000	0.2286
Partially Proficient	0.0327	0.1963	0.0460	0.0000	0.2749
Proficient	0.0000	0.0465	0.3379	0.0268	0.4112
Advanced	0.0000	0.0000	0.0244	0.0608	0.0853
Sum	0.2293	0.2748	0.4084	0.0876	0.3169
Observed Score Dist.	0.2275	0.2805	0.4177	0.0743	

Indices for Classification Consistency and Classification Accuracy

	Cut 1	Cut 2	Cut 3	All Cuts
Classification Agreement (P)	0.9353	0.9076	0.9487	0.7916
Chance Probability (Pc)	0.6469	0.5000	0.8421	0.3033
Kappa	0.8169	0.8151	0.6755	0.7009
Classification Accuracy	0.9537	0.9326	0.9628	0.8490

Table 279. Classification Consistency and Classification Accuracy for Science Grade 10**Contingency Table with All Cut Scores**

	Unsatisfactory	Partially Proficient	Proficient	Advanced	Sum
Unsatisfactory	0.2392	0.0390	0.0031	0.0000	0.2814
Partially Proficient	0.0367	0.1269	0.0516	0.0000	0.2153
Proficient	0.0035	0.0456	0.3527	0.0234	0.4252
Advanced	0.0000	0.0000	0.0228	0.0553	0.0781
Sum	0.2794	0.2115	0.4303	0.0787	0.3581
Observed Score Dist.	0.2683	0.2271	0.4358	0.0688	

Indices for Classification Consistency and Classification Accuracy

	Cut 1	Cut 2	Cut 3	All Cuts
Classification Agreement (P)	0.9176	0.8961	0.9538	0.7741
Chance Probability (Pc)	0.5965	0.5001	0.8554	0.3133
Kappa	0.7958	0.7922	0.6801	0.6710
Classification Accuracy	0.9399	0.9232	0.9661	0.8299

Table 280. Classification Consistency and Classification Accuracy for Reading Grade 3 (Spanish)**Contingency Table with All Cut Scores**

	Unsatisfactory	Partially Proficient	Proficient	Advanced	Sum
Unsatisfactory	0.1402	0.0293	0.0016	0.0000	0.1711
Partially Proficient	0.0338	0.1201	0.0514	0.0000	0.2053
Proficient	0.0011	0.0557	0.3883	0.0493	0.4945
Advanced	0.0000	0.0000	0.0406	0.0885	0.1291
Sum	0.1751	0.2052	0.4819	0.1378	1.0000
Observed Score Dist.	0.1689	0.2004	0.5162	0.1145	

Indices for Classification Consistency and Classification Accuracy

	Cut 1	Cut 2	Cut 3	All Cuts
Classification Agreement (P)	0.9342	0.8901	0.9101	0.7371
Chance Probability (Pc)	0.7137	0.5296	0.7687	0.3282
Kappa	0.7701	0.7665	0.6113	0.6087
Classification Accuracy	0.9511	0.9169	0.9378	0.8059

Table 281. Classification Consistency and Classification Accuracy for Reading Grade 4 (Spanish)**Contingency Table with All Cut Scores**

	Unsatisfactory	Partially Proficient	Proficient	Advanced	Sum
Unsatisfactory	0.2899	0.0497	0.0003	0.0000	0.3399
Partially Proficient	0.0493	0.1740	0.0466	0.0000	0.2698
Proficient	0.0005	0.0479	0.3058	0.0105	0.3647
Advanced	0.0000	0.0000	0.0089	0.0166	0.0255
Sum	0.3397	0.2717	0.3617	0.0270	1.0000
Observed Score Dist.	0.3554	0.2771	0.3434	0.0241	

Indices for Classification Consistency and Classification Accuracy

	Cut 1	Cut 2	Cut 3	All Cuts
Classification Agreement (P)	0.9002	0.9046	0.9806	0.7863
Chance Probability (Pc)	0.5513	0.5244	0.9489	0.3214
Kappa	0.7775	0.7995	0.6212	0.6851
Classification Accuracy	0.9285	0.9321	0.9876	0.8481

Table 282. Classification Consistency and Classification Accuracy for Writing Grade 3 (Spanish)**Contingency Table with All Cut Scores**

	Unsatisfactory	Partially Proficient	Proficient	Advanced	Sum
Unsatisfactory	0.1091	0.0318	0.0004	0.0000	0.1414
Partially Proficient	0.0300	0.1427	0.0577	0.0003	0.2307
Proficient	0.0005	0.0547	0.2686	0.0624	0.3862
Advanced	0.0000	0.0001	0.0599	0.1817	0.2417
Sum	0.1396	0.2294	0.3866	0.2444	1.0000
Observed Score Dist.	0.1332	0.2354	0.3975	0.2339	

Indices for Classification Consistency and Classification Accuracy

	Cut 1	Cut 2	Cut 3	All Cuts
Classification Agreement (P)	0.9373	0.8863	0.8773	0.7022
Chance Probability (Pc)	0.7585	0.5335	0.6320	0.2810
Kappa	0.7404	0.7562	0.6666	0.5857
Classification Accuracy	0.9541	0.9218	0.9102	0.7862

Table 283. Classification Consistency and Classification Accuracy for Writing Grade 4 (Spanish)**Contingency Table with All Cut Scores**

	Unsatisfactory	Partially Proficient	Proficient	Advanced	Sum
Unsatisfactory	0.3844	0.0782	0.0010	0.0000	0.4636
Partially Proficient	0.0646	0.1973	0.0445	0.0000	0.3065
Proficient	0.0010	0.0519	0.1642	0.0040	0.2210
Advanced	0.0000	0.0000	0.0036	0.0053	0.0089
Sum	0.4500	0.3274	0.2133	0.0093	1.0000
Observed Score Dist.	0.3313	0.3976	0.2530	0.0181	

Indices for Classification Consistency and Classification Accuracy

	Cut 1	Cut 2	Cut 3	All Cuts
Classification Agreement (P)	0.8552	0.9016	0.9924	0.7512
Chance Probability (Pc)	0.5036	0.6499	0.9820	0.3562
Kappa	0.7082	0.7191	0.5801	0.6136
Classification Accuracy	0.8995	0.9316	0.9943	0.8254

**Table 284. Mean and Median Scale Scores by Year for Writing Subcontent Areas:
Paragraph Writing and Extended Writing**

Grade	Year	N	Paragraph Writing (SA5)			Extended Writing (SA6)			Combined (SA5 and SA6)		
			Mean	Median	SD	Mean	Median	SD	Mean	Median	SD
4	2002	55488	489	491	72.8	504	486	99.3	488	485	60.3
	2003	55108	486	479	73.5	497	479	91.7	486	486	64.7
	2004	54546	492	490	65.9	517	505	107.6	492	489	59.5
	2005	54339	494	486	74.3	504	516	98.6	490	488	64.8
	2006	55640	486	488	66.1	510	495	109.6	486	484	60.3
	2007	56278	487	481	64.5	494	479	87.8	485	482	58.9
	2008	57957	489	487	64.7	517	495	112.7	489	487	59.5
	2009	59548	487	485	64.0	504	527	106.7	486	484	60.9
	2010	61099	487	486	64.7	501	490	97.2	486	485	59.9
	2011	62308	492	493	64.4	498	471	81.1	491	491	57.4
	2012	62888	485	485	63.4	501	479	97.0	484	483	56.6
5	2002	56398	503	503	66.0	518	503	105.8	502	501	60.4
	2003	56822	503	504	72.3	531	500	121.1	504	503	65.3
	2004	55946	505	500	73.5	525	508	107.7	507	505	66.4
	2005	55191	512	509	70.5	543	525	130.2	510	506	65.5
	2006	55800	513	511	72.7	533	484	114.2	514	511	69.4
	2007	56704	509	507	65.9	531	538	112.9	508	506	62.4
	2008	57019	512	510	75.2	535	536	120.2	512	510	71.6
	2009	58785	510	509	65.9	536	532	117.3	510	508	63.1
	2010	59745	509	507	74.0	521	504	100.2	508	508	66.8
	2011	61706	513	510	67.3	533	542	113.1	512	510	62.7
	2012	62536	512	509	72.8	534	541	121.1	511	508	68.1
6	2002	55632	518	518	76.1	528	529	95.2	518	518	68.4
	2003	56674	521	521	71.2	549	524	123.8	523	523	67.5
	2004	56744	523	522	73.7	559	547	134.6	524	521	70.1
	2005	56200	532	527	82.8	536	496	106.2	529	528	74.0
	2006	56097	531	526	82.9	542	490	116.2	529	526	76.5
	2007	56380	530	527	80.0	539	600	104.0	529	528	74.6
	2008	56901	533	530	83.4	558	538	138.4	531	526	78.1
	2009	57379	530	528	73.9	545	576	114.9	529	528	69.2
	2010	58856	527	524	80.8	535	522	103.5	525	523	71.6
	2011	60358	532	530	76.2	549	566	120.1	531	529	70.4
	2012	61742	524	522	75.6	597	511	175.7	524	521	72.8

**Table 284. Mean and Median Scale Scores by Year for Writing Subcontent Areas:
Paragraph Writing and Extended Writing (cont'd)**

Grade	Year	N	Paragraph Writing (SA5)			Extended Writing (SA6)			Combined (SA5 and SA6)		
			Mean	Median	SD	Mean	Median	SD	Mean	Median	SD
7	2002	54338	544	541	79.8	558	542	106.0	543	541	70.3
	2003	56609	544	546	78.9	580	554	141.4	547	548	73.9
	2004	57016	546	543	94.4	574	557	147.7	545	542	85.5
	2005	57201	551	546	90.2	552	503	113.6	548	545	82.7
	2006	57323	550	548	91.5	577	577	145.3	550	549	83.8
	2007	56769	561	555	88.8	573	648	105.0	560	556	82.5
	2008	56813	553	550	89.0	580	572	142.7	553	554	83.1
	2009	57395	562	557	84.1	575	622	118.3	561	559	78.8
	2010	57773	556	552	88.1	575	588	133.8	555	554	81.7
	2011	59414	554	553	84.3	573	500	130.3	554	552	78.7
	2012	60563	562	558	85.2	575	526	123.7	561	556	80.7
8	2002	53466	554	551	85.9	586	586	124.3	558	557	76.0
	2003	54894	555	556	82.4	590	592	136.5	558	558	79.4
	2004	56410	556	555	90.1	576	583	142.1	554	553	84.4
	2005	56821	559	557	87.4	572	558	127.7	558	555	82.1
	2006	58095	560	558	87.6	557	552	125.0	556	556	83.1
	2007	57631	563	559	94.0	577	601	119.5	562	556	86.6
	2008	56658	564	561	91.9	580	612	131.2	563	562	87.8
	2009	57100	564	559	87.3	582	587	116.2	563	561	79.1
	2010	57103	566	566	83.5	615	567	168.4	566	564	79.7
	2011	58016	565	565	91.1	583	613	136.5	564	564	84.2
	2012	59307	567	562	90.4	589	609	142.7	566	564	84.1
9	2002	52972	563	563	92.0	581	637	121.7	564	564	87.2
	2003	55540	572	570	98.0	611	593	157.0	573	569	90.9
	2004	56588	571	569	94.8	580	545	94.6	572	572	79.7
	2005	57703	569	569	96.1	576	524	104.9	568	564	84.8
	2006	58795	570	570	96.1	568	536	105.2	567	561	88.0
	2007	59521	569	564	97.3	580	635	124.1	567	563	89.1
	2008	59076	567	563	98.2	569	498	448.8	565	559	90.0
	2009	58939	572	567	95.9	590	616	130.3	570	568	87.3
	2010	59098	565	562	97.7	614	575	180.1	565	560	92.9
	2011	58931	571	568	96.2	595	607	153.3	570	568	90.0
	2012	59043	566	567	91.1	592	600	141.7	566	566	83.2

**Table 284. Mean and Median Scale Scores by Year for Writing Subcontent Areas:
Paragraph Writing and Extended Writing (cont'd)**

Grade	Year	N	Paragraph Writing (SA5)			Extended Writing (SA6)			Combined (SA5 and SA6)		
			Mean	Median	SD	Mean	Median	SD	Mean	Median	SD
10	2002	49009	587	588	96.7	606	580	138.4	586	585	88.8
	2003	49658	591	583	107.6	641	590	185.8	589	583	100.0
	2004	50756	584	577	96.7	588	537	117.2	581	578	84.8
	2005	51638	580	576	97.5	582	529	111.0	578	575	88.2
	2006	53754	584	581	101.2	586	523	112.1	581	578	91.1
	2007	54683	586	579	104.9	594	649	123.2	583	583	94.0
	2008	55306	579	572	109.3	590	635	142.5	577	573	100.9
	2009	55818	584	578	102.3	596	638	119.7	582	581	91.7
	2010	55225	580	574	109.1	616	604	179.3	578	573	102.7
	2011	56463	576	576	87.3	592	577	130.7	575	574	80.0
	2012	56374	577	579	93.5	625	606	177.5	577	576	87.2