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**Table 1. The Colorado Model Content Standards and Subcontent Areas**

<b>Reading</b>		
<b>Content Standards</b>		
CS	Grades	
1	3-10	Reading Comprehension
4	4-10	Thinking Skills
5	4-10	Use of Literary Information
6	4-10	Literature
<b>Subcontent Areas</b>		
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
<b>Writing</b>		
<b>Content Standards</b>		
CS	Grades	
2	3-10	Write for a Variety of Purposes
3	3-10	Write Using Conventions
<b>Subcontent Areas</b>		
SA	Grades	
5	3-10	Paragraph Writing
6	4-10	Extended Writing
7	3-10	Grammar and Usage
8	3-10	Mechanics
<b>Mathematics</b>		
<b>Content Standards</b>		
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)**

<b>Mathematics (Continued)</b>		
<b>Subcontent Areas</b>		
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
<b>Science</b>		
<b>Content Standards</b>		
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
<b>Subcontent Areas</b>		
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 2011 CSAP 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 <sup>*1</sup>	90	55	14	69		7	7	
	5	91	56	14	70		7	7	
	6 <sup>*2</sup>	90	55	14	69		7	7	
	7	91	56	14	70		8	5	1
	8	91	56	14	70		7	7	
	9 <sup>*3</sup>	94	55	14	69		3	11	
	10	95	56	14	70		3	10	1
Writing	3	56	35	9	44	6			3
	4	69	40	13	53	7	1		5
	5	68	40	13	53	7	1		5
	6	69	40	13	53	7	1		5
	7	69	40	13	53	7	1		5
	8 <sup>*4</sup>	67	38	13	51	7	1		5
	9 <sup>*5</sup>	68	39	13	52	7	1		5
	10 <sup>*6</sup>	68	40	12	51	6	1		5
Mathematics	3	50	32	8	40		6	2	
	4	96	54	15	69		6	6	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 <sup>*7</sup>	87	44	15	59		6	6	3
	9 <sup>*8</sup>	87	44	15	59		6	6	3
	10	87	45	15	60		6	6	3
Science	5	88	57	18	75	5	13		
	8	100	60	23	83	9	12	1	1
	10 <sup>*9</sup>	97	57	23	80	8	14		1
Reading Spanish	3	52	32	8	40		4	4	
	4	91	56	14	70		7	7	
Writing Spanish	3	56	35	9	44	6			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. 1 MC item removed
4. 2 MC items removed
5. 1 MC item removed
6. 1 CR item removed
7. 1 MC item removed
8. 1 MC item removed
9. 3 MC items removed

**Table 3. Configuration of 2011 CSAP 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									11	11	11	11	10	10		
		CR	8	20									6	11	2	4				
4	Reading* <sup>1</sup>	MC	22	22	11	11	11	11	11	11			20	20	13	13	11	11		
		CR	6	15	3	7	3	7	2	6			7	19	4	9				
5	Reading	MC	20	20	15	15	12	12	9	9			19	19	15	15	10	10		
		CR	5	11	2	5	3	8	4	11			4	10	7	17				
6	Reading* <sup>2</sup>	MC	24	24	14	14	10	10	7	7			20	20	14	14	11	11		
		CR	3	7	2	6	4	10	5	12			6	14	4	11				
7	Reading	MC	17	17	16	16	12	12	11	11	13	13			11	11	10	10	10	10
		CR	6	14	2	4	3	8	3	9	7	17			3	6			1	4
8	Reading	MC	22	22	13	13	15	15	6	6	8	8			11	11	15	15	7	7
		CR	4	9	3	7	2	5	5	14	6	15			4	10			2	5
9	Reading* <sup>3</sup>	MC	16	16	9	9	15	15	15	15	13	13			8	8	11	11	8	8
		CR	6	16	4	12	2	6	2	5	2	5			9	26			1	2
10	Reading	MC	17	17	13	13	18	18	8	8	10	10			5	5	12	12	11	11
		CR	5	16	3	8	1	3	5	13	6	18			6	17			1	2
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 CS6.c G6 SA 1/4 FP

3. Removed one MC item from calibration in CS6.c G9 SA 1F

**Table 4. Configuration of 2011 CSAP 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			12	12	11	11
		CR	9	12	9	9	12	15			3	3	3	3
4	Writing	MC	15	15	25	25	9	9			21	21	4	4
		CR	6	21	7	8	3	12	4	11	3	3	3	3
5	Writing	MC	15	15	25	25	8	8			21	21	8	8
		CR	6	21	7	8	3	12	4	11	3	3	3	3
6	Writing	MC	15	15	25	25	8	8			21	21	9	9
		CR	6	21	7	8	3	12	4	11	3	3	3	3
7	Writing	MC	15	15	25	25	7	7			23	23	8	8
		CR	5	21	7	8	3	12	4	11	3	3	3	3
8	Writing <sup>*1</sup>	MC	13	13	25	25	7	7			20	20	9	9
		CR	6	21	7	8	3	12	4	11	3	3	3	3
9	Writing <sup>*2</sup>	MC	14	14	25	25	9	9			18	18	12	12
		CR	6	21	7	8	3	12	4	11	2	2	4	4
10	Writing <sup>*3</sup>	MC	15	15	25	25	13	13			24	24	3	3
		CR	6	21	6	7	3	12	4	11	2	2	3	3
3	Spanish Writing	MC	12	12	23	23					17	17	7	7
		CR	9	12	9	9	3	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	2	11	4	4	2	2

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

1. Removed 2 MC items from calibration in CS2.b G8 SA 5-PW

2. Removed 1 MC item from calibration in CS2.b.2 G9 SA 5-PW

3. Removed 1 CR item from calibration in CS3.e G10 SA 8-M

**Table 5. Configuration of 2011 CSAP Mathematics Assessments by Grade, Content Standard, Subcontent Area, and 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.
Grade	Content Area	Item Type																				
3	Mathematics	MC	6	6					9	9			12	12	5	5						
		CR	2	4					2	4			2	5	2	5						
4	Mathematics	MC	10	10			6	6			9	9	17	17	12	12	8	8	3	3	7	7
		CR	4	10			3	8			2	5	4	12	2	7	6	17	3	8	2	7
5	Mathematics	MC	14	14			8	8			7	7	11	11	14	14	11	11	3	3	1	1
		CR	2	5			4	11			4	12	3	9	2	5	2	6	4	11	2	6
6	Mathematics	MC	10	10			7	7			7	7	12	12	9	9	6	6	4	4	3	3
		CR	2	7			3	10			4	11	4	10	2	4	3	9	3	10	3	8
7	Mathematics	MC			15	15	9	9			9	9	12	12			3	3	1	1		
		CR			4	11	3	8			3	9	5	14			3	9	5	14		
8	Mathematics <sup>*1</sup>	MC			11	11	11	11			9	9	14	14			7	7	6	6	5	5
		CR			4	11	4	11			3	8	4	12			2	6	4	11	2	6
9	Mathematics <sup>*2</sup>	MC			10	10	12	12			12	12	11	11			5	5	6	6		
		CR			3	7	4	12			4	11	4	12			5	15	4	10		
10	Mathematics	MC			12	12	13	13			11	11	9	9			8	8	4	4		
		CR			2	5	4	10			5	13	4	14			6	18	2	6		

\* 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 4/5, SA 3

2. Removed one MC item from calibration in CS 4/5

**Table 6. Configuration of 2011 CSAP 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	21	21	12	12	12	12	12	12	10	10	8	8								
		CR	9	14	3	6	3	5	3	5	2	3	6	10								
8	Science	MC	24	24	12	12	12	12	12	12	13	13	10	10	7	7			8	8	7	7
		CR	9	16	5	8	4	8	5	8	4	7	5	9	3	5			1	2	4	6
10	Science <sup>*1</sup>	MC	22	22	12	12	11	11	12	11	10	10	6	6			5	5	8	8	10	10
		CR	10	17	4	7	4	7	5	9	5	9	5	8			3	5	3	6	4	8

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

1. Removed two MC items from calibration in CS 1/5, SA1 and one MC item from calibration in CS3, SA5

**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	30%	0%	50%	10%	0%	10%	40
	4	23%	0%	51%	10%	5%	10%	70
	5	13%	4%	59%	9%	9%	7%	70
	6	19%	1%	49%	11%	13%	7%	70
	7	16%	1%	47%	7%	17%	11%	70
	8	7%	2%	57%	6%	10%	11%	70
	9	17%	0%	56%	6%	7%	14%	70
	10	10%	0%	44%	7%	16%	13%	70
Writing	3	50%	14%	27%	0%	2%	6%	44
	4	49%	11%	23%	0%	4%	13%	53
	5	45%	11%	25%	0%	6%	13%	53
	6	38%	11%	32%	0%	6%	13%	53
	7	42%	11%	25%	0%	9%	13%	53
	8	40%	11%	28%	0%	8%	13%	53
	9	36%	11%	34%	0%	6%	13%	53
	10	34%	11%	32%	0%	9%	13%	53
Mathematics	3	32%	0%	43%	13%	5%	7%	40
	4	32%	0%	45%	10%	1%	12%	69
	5	33%	0%	44%	9%	1%	13%	69
	6	20%	2%	51%	11%	3%	13%	60
	7	20%	0%	48%	12%	7%	13%	60
	8	15%	0%	47%	7%	13%	18%	60
	9	20%	0%	48%	15%	7%	10%	60
	10	16%	0%	52%	14%	7%	12%	60
Science	5	24%	1%	47%	11%	5%	12%	75
	8	18%	2%	45%	14%	10%	11%	83
	10	13%	1%	47%	16%	12%	11%	83
Spanish Reading	3	0%	0%	80%	20%	0%	0%	40
	4	34%	1%	56%	17%	10%	1%	70
Spanish Writing	3	66%	17%	0%	17%	0%	0%	53
	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	23%	0%	38%	19%	0%	19%	52		
	4	18%	0%	40%	18%	4%	18%	91		
	5	10%	7%	45%	19%	7%	13%	91		
	6	14%	3%	37%	21%	10%	14%	91		
	7	12%	2%	36%	13%	13%	23%	91		
	8	10%	4%	44%	11%	8%	23%	91		
	9	13%	0%	41%	12%	5%	30%	95		
	10	15%	0%	33%	16%	12%	26%	95		
Writing	3	39%	11%	21%	0%	1%	27%	56		
	4	38%	8%	17%	0%	3%	33%	69		
	5	35%	8%	19%	0%	4%	33%	69		
	6	29%	8%	25%	0%	4%	33%	69		
	7	32%	8%	19%	0%	7%	33%	69		
	8	30%	8%	22%	0%	6%	33%	69		
	9	28%	8%	26%	0%	4%	33%	69		
	10	26%	8%	25%	0%	7%	33%	69		
Mathematics	3	26%	0%	34%	20%	4%	16%	50		
	4	23%	0%	32%	18%	1%	26%	96		
	5	24%	0%	31%	14%	1%	30%	96		
	6	14%	2%	36%	16%	2%	30%	87		
	7	14%	0%	32%	19%	6%	29%	87		
	8	10%	0%	31%	7%	10%	42%	87		
	9	14%	0%	33%	26%	5%	22%	87		
	10	11%	0%	36%	23%	5%	25%	87		
Science	5	20%	1%	40%	15%	5%	19%	88		
	8	15%	3%	37%	21%	8%	16%	100		
	10	11%	2%	39%	24%	10%	14%	100		
Spanish Reading	3	0%	0%	62%	39%	0%	0%	52		
	4	26%	2%	43%	34%	8%	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 2011 Test Forms that were Flagged for DIF or Fit**

Language	Content Area	Grade	Item Type	2011 Item	2011 Anchor	Year Flagged	DIF Flag*	Fit Flag*
English	Reading	3	CR	16	yes	2009	0	1
English	Reading	3	CR	19		2009	0	1
English	Reading	3	CR	4		2010	0	1
English	Reading	3	CR	31		2010	0	1
English	Reading	4	CR	23		2009	E	0
English	Reading	5	CR	31		2009	E	0
English	Reading	6	CR	34		2009	E	0
English	Reading	6	CR	17		2010	E	0
English	Reading	6	CR	18		2010	0	1
English	Reading	6	CR	45		2010	E	0
English	Reading	7	CR	99		2009	E	0
English	Reading	7	CR	24		2010	E	0
English	Reading	8	CR	109		2010	G	0
English	Reading	9	CR	5		2009	E	0
English	Reading	9	CR	9		2009	E	0
English	Reading	9	CR	44		2009	G,E	0
English	Reading	9	CR	104		2009	E	0
English	Reading	9	MC	92		2010	E	0
English	Reading	9	CR	93		2010	E	0
English	Reading	10	CR	7		2009	G	0
English	Reading	10	CR	27		2009	E	0
English	Reading	10	CR	91		2009	E	0
English	Reading	10	CR	14		2010	G,E	0
English	Reading	10	MC	21		2010	0	1
English	Writing	4	ECR	3A		2009	0	1
English	Writing	4	ECR	3C		2009	0	1
English	Writing	4	SCR	93		2009	G	0
English	Writing	5	ECR	3A		2009	0	1
English	Writing	5	ECR	3C		2009	0	1
English	Writing	6	ECR	3A		2010	0	1
English	Writing	7	ECR	3A		2009	0	1
English	Writing	7	SCR	95		2009	G,E	0
English	Writing	8	MC	74		2009	E	0
English	Writing	8	ECR	3A		2010	0	1
English	Writing	9	CR	2D		2009	E	0
English	Writing	10	ECR	3A		2009	0	1
English	Writing	10	SCR	69		2009	G	0
English	Writing	10	SCR	90		2009	E	0
English	Mathematics	3	CR	20		2010	E	0
English	Mathematics	6	CR	16		2009	0	1

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

**Table 9. Previously Administered Items Selected for 2011 Test Forms that were Flagged for DIF or Fit (cont'd)**

Language	Content Area	Grade	Item Type	2011 Item	2011 Anchor	Year Flagged	DIF Flag*	Fit Flag*
English	Mathematics	6	CR	40		2010	0	1
English	Mathematics	7	MC	5		2009	0	1
English	Mathematics	7	CR	12		2009	0	1
English	Mathematics	7	CR	20		2010	0	1
English	Mathematics	7	MC	36	yes	2009	0	1
English	Mathematics	7	CR	43		2009	0	1
English	Mathematics	8	MC	49		2009	0	1
English	Mathematics	8	CR	54		2010	0	1
English	Mathematics	8	CR	60		2009	0	1
English	Mathematics	9	CR	10		2010	0	1
English	Mathematics	9	CR	49		2009	E	0
English	Mathematics	10	MC	4		2010	0	1
English	Mathematics	10	CR	60		2009	0	1
English	Science	5	MC	32		2008	G	0
English	Science	5	CR	34		2007	G	0
English	Science	5	CR	54		2008	G	0
English	Science	8	MC	1		2008	G	0
English	Science	8	MC	17		2008	G	0
English	Science	8	CR	22		2009	G,E	0
English	Science	8	MC	32		2008	G	0
English	Science	8	CR	57		2007	G	0
English	Science	8	MC	78		2008	G	0
English	Science	8	MC	82		2008	G	0
English	Science	10	MC	18		2008	G	0
English	Science	10	CR	22		2009	E	0
English	Science	10	CR	23		2009	E	0
English	Science	10	CR	24		2009	0	1
English	Science	10	CR	38		2008	G	0
English	Science	10	MC	45		2008	G	0
English	Science	10	MC	62		2008	E	0
English	Science	10	CR	75		2010	E	0
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

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

**Table 9. Previously Administered Items Selected for 2011 Test Forms that were Flagged for DIF or Fit (cont'd)**

Language	Content Area	Grade	Item Type	2011 Item	2011 Anchor	Year Flagged	DIF Flag*	Fit Flag*
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
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

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

**Table 9. Previously Administered Items Selected for 2011 Test Forms that were Flagged for DIF or Fit (cont'd)**

Language	Content Area	Grade	Item Type	2011 Item	2011 Anchor	Year Flagged	DIF Flag*	Fit Flag*
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 CSAP 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	4	3423	2	0.90	0.90	0.61	0.62	0.63	78.14	21.19	99.33
3	13	3770	3	1.28	1.30	0.87	0.86	0.67	69.21	29.02	98.23
3	16	3598	2	1.43	1.42	0.75	0.76	0.71	82.62	15.24	97.86
3	20	3094	3	1.13	1.14	0.79	0.79	0.63	68.90	29.94	98.84
3	23	3157	3	1.01	1.00	0.87	0.87	0.69	68.40	30.55	98.95
3	27	3371	2	0.72	0.70	0.62	0.61	0.63	77.67	22.12	99.79
3	31	3558	3	1.36	1.33	1.09	1.08	0.76	76.20	21.35	97.55
3	37	3463	2	0.93	0.91	0.67	0.67	0.55	71.37	28.32	99.69
4	5	3037	2	1.23	1.25	0.78	0.78	0.74	74.28	24.18	98.46
4	18	2942	3	1.45	1.44	1.14	1.14	0.72	66.17	29.81	95.98
4	20	2986	3	1.26	1.25	0.83	0.83	0.65	68.14	29.91	98.05
4	23	3463	2	0.93	0.91	0.67	0.67	0.55	71.37	28.32	99.69
4	30	3094	3	1.13	1.14	0.79	0.79	0.63	68.90	29.94	98.84
4	33	3157	3	1.01	1.00	0.87	0.87	0.69	68.40	30.55	98.95
4	39	3011	3	1.01	1.00	0.77	0.77	0.59	63.14	34.06	97.20
4	41	3015	2	0.68	0.68	0.66	0.66	0.69	77.49	22.07	99.56
4	43	2999	3	1.63	1.66	0.98	0.96	0.75	71.08	26.82	97.90
4	50	2967	2	0.55	0.56	0.61	0.62	0.54	70.79	28.26	99.05
4	101	3019	2	1.66	1.66	0.65	0.65	0.78	89.17	9.41	98.58
4	108	2977	2	1.34	1.35	0.82	0.81	0.88	97.19	2.71	99.90
4	109	2985	3	1.12	1.13	0.76	0.75	0.56	68.70	26.96	95.66
4	114	2984	2	1.30	1.30	0.83	0.83	0.76	79.87	17.85	97.72
5	8	2906	3	1.10	1.10	0.95	0.95	0.70	65.83	31.87	97.70
5	14	2940	2	0.89	0.89	0.69	0.70	0.60	68.49	29.91	98.40
5	22	3015	2	0.68	0.68	0.66	0.66	0.69	77.49	22.07	99.56
5	24	2999	3	1.63	1.66	0.98	0.96	0.75	71.08	26.82	97.90
5	27	2869	3	1.53	1.53	1.10	1.09	0.80	82.64	16.10	98.74
5	28	2969	2	1.23	1.22	0.82	0.82	0.90	90.09	9.67	99.76
5	29	2953	2	1.10	1.10	0.94	0.93	0.89	89.19	9.79	98.98
5	31	2932	3	1.61	1.61	1.24	1.24	0.87	85.12	12.62	97.74
5	36	2918	3	1.18	1.18	0.95	0.95	0.78	77.93	20.63	98.56
5	43	2798	3	0.82	0.82	0.82	0.83	0.63	79.96	17.89	97.85
5	51	2784	3	1.63	1.63	1.24	1.24	0.71	67.37	26.84	94.21
5	97	2955	2	1.38	1.39	0.88	0.87	0.91	92.75	6.40	99.15
5	98	2967	2	1.35	1.35	0.75	0.75	0.86	88.57	10.89	99.46
5	113	2967	2	0.55	0.56	0.61	0.62	0.54	70.79	28.26	99.05

**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	8	2797	2	0.58	0.58	0.67	0.68	0.75	85.19	14.56	99.75
6	11	2807	3	2.27	2.28	0.94	0.94	0.77	80.92	17.65	98.57
6	12	2819	2	0.75	0.76	0.81	0.80	0.73	76.57	21.55	98.12
6	17	2841	3	1.43	1.43	1.14	1.14	0.79	76.30	19.04	95.34
6	18	2840	3	2.08	2.07	1.09	1.10	0.85	77.84	21.00	98.84
6	24	2775	2	1.14	1.14	0.71	0.71	0.62	69.55	29.87	99.42
6	29	2673	2	1.03	1.02	0.84	0.85	0.64	71.43	25.98	97.41
6	32	2953	2	1.10	1.10	0.94	0.93	0.89	89.19	9.79	98.98
6	34	2932	3	1.61	1.61	1.24	1.24	0.87	85.12	12.62	97.74
6	39	2918	3	1.18	1.18	0.95	0.95	0.78	77.93	20.63	98.56
6	45	2828	2	0.86	0.86	0.81	0.80	0.83	85.84	13.66	99.50
6	53	2715	3	0.67	0.66	0.75	0.77	0.58	74.33	22.69	97.02
6	99	2851	2	1.08	1.09	0.76	0.75	0.72	74.23	24.68	98.91
6	112	2842	3	1.32	1.32	0.71	0.72	0.64	71.36	27.66	99.02
7	4	2807	3	2.27	2.28	0.94	0.94	0.77	80.92	17.65	98.57
7	5	2819	2	0.75	0.76	0.81	0.80	0.73	76.57	21.55	98.12
7	12	2807	3	2.06	2.05	1.08	1.08	0.81	78.15	19.64	97.79
7	13	2819	2	1.51	1.50	0.68	0.68	0.72	80.90	18.28	99.18
7	18	2766	2	1.39	1.39	0.77	0.76	0.60	68.76	27.62	96.38
7	19	2812	3	1.79	1.78	0.90	0.89	0.70	67.46	30.30	97.76
7	24	2772	4	1.68	1.67	0.94	0.95	0.65	67.79	29.79	97.58
7	35	2715	3	0.67	0.66	0.75	0.77	0.58	74.33	22.69	97.02
7	41	2742	2	0.58	0.58	0.67	0.67	0.61	75.55	23.32	98.87
7	47	2759	2	1.39	1.40	0.83	0.82	0.80	88.32	10.66	98.98
7	97	2819	2	1.19	1.19	0.72	0.72	0.64	68.85	30.05	98.90
7	98	2802	2	0.92	0.93	0.66	0.66	0.58	70.22	28.42	98.64
7	99	2771	3	1.54	1.54	1.20	1.19	0.76	73.98	19.52	93.50
7	113	2778	2	1.05	1.05	0.79	0.80	0.76	81.11	18.35	99.46
8	6	2743	2	1.03	1.03	0.79	0.78	0.63	65.26	32.01	97.27
8	10	2713	3	1.60	1.61	0.92	0.92	0.65	59.26	37.83	97.09
8	15	2705	3	1.63	1.62	0.92	0.91	0.66	62.85	34.31	97.16
8	20	2703	3	1.84	1.85	1.07	1.08	0.84	89.70	8.19	97.89
8	26	2674	3	1.35	1.35	0.83	0.82	0.60	64.09	33.45	97.54
8	27	2731	2	0.92	0.92	0.61	0.61	0.51	66.64	32.70	99.34
8	39	2614	2	0.88	0.88	0.93	0.94	0.81	89.50	9.50	99.00
8	40	2705	3	1.69	1.68	0.88	0.88	0.71	75.25	22.90	98.15
8	46	2677	2	1.38	1.37	0.78	0.79	0.71	78.52	19.42	97.94
8	47	2759	2	1.39	1.40	0.83	0.82	0.80	88.32	10.66	98.98
8	95	2802	2	0.92	0.93	0.66	0.66	0.58	70.22	28.42	98.64
8	96	2819	2	1.19	1.19	0.72	0.72	0.64	68.85	30.05	98.90
8	98	2713	3	1.29	1.28	0.74	0.74	0.63	69.87	29.02	98.89
8	109	2627	3	1.94	1.96	1.09	1.09	0.76	80.51	17.43	97.94

**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	5	2705	3	1.69	1.68	0.88	0.88	0.71	75.25	22.90	98.15
9	18	2703	3	1.84	1.85	1.07	1.08	0.84	89.70	8.19	97.89
9	24	2674	3	1.35	1.35	0.83	0.82	0.60	64.09	33.45	97.54
9	27	2607	2	1.28	1.28	0.59	0.59	0.56	76.59	23.22	99.81
9	31	2718	2	1.25	1.25	0.56	0.56	0.53	73.39	26.39	99.78
9	34	2668	3	1.52	1.55	0.89	0.89	0.64	64.50	34.48	98.98
9	38	2677	3	2.19	2.18	1.01	1.02	0.71	76.35	20.40	96.75
9	44	2682	2	0.88	0.88	0.66	0.67	0.58	68.96	30.74	99.70
9	93	2661	3	1.19	1.21	0.95	0.92	0.62	64.72	31.51	96.23
9	96	2689	3	1.89	1.90	0.92	0.91	0.67	68.79	28.91	97.70
9	100	2618	3	1.89	1.90	1.18	1.19	0.71	71.22	23.92	95.14
9	102	2552	3	0.87	0.86	0.80	0.78	0.55	68.04	28.47	96.51
9	104	2558	3	1.12	1.11	1.04	1.05	0.69	73.41	24.55	97.96
9	108	2464	3	1.03	1.04	0.92	0.91	0.53	59.94	36.83	96.77
10	7	2510	3	1.66	1.62	0.97	0.99	0.52	50.10	42.24	92.34
10	12	2546	3	1.49	1.50	0.93	0.94	0.58	62.01	33.98	95.99
10	14	2579	4	2.29	2.30	0.96	0.97	0.61	68.56	28.57	97.13
10	19	2582	2	1.24	1.23	0.66	0.65	0.51	68.84	29.68	98.52
10	27	2558	3	1.12	1.11	1.04	1.05	0.69	73.41	24.55	97.96
10	31	2552	3	0.87	0.86	0.80	0.78	0.55	68.04	28.47	96.51
10	32	2586	3	2.09	2.10	1.01	1.01	0.72	81.77	16.29	98.06
10	37	2512	3	2.21	2.22	0.98	0.99	0.63	74.60	22.32	96.92
10	41	2477	3	1.50	1.51	1.08	1.09	0.56	58.95	31.65	90.60
10	91	2464	3	1.03	1.04	0.92	0.91	0.53	59.94	36.83	96.77
10	97	2435	2	1.43	1.44	0.75	0.76	0.58	73.75	25.38	99.13
10	101	2514	3	1.41	1.41	1.01	1.02	0.59	60.45	34.64	95.09
10	103	2495	3	1.09	1.08	0.83	0.83	0.51	61.99	32.90	94.89
10	108	2486	2	1.07	1.05	0.80	0.80	0.61	75.01	22.29	97.30



**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	3123	1	0.83	0.83	0.37	0.37	0.97	99.23	0.77	100.00
3	1B	3123	1	0.77	0.77	0.42	0.42	0.96	98.62	1.38	100.00
3	1C	3123	1	0.79	0.79	0.41	0.40	0.92	97.53	2.47	100.00
3	1D	3123	1	0.65	0.65	0.48	0.48	0.94	97.44	2.56	100.00
3	1E	3123	1	0.75	0.75	0.43	0.43	0.96	98.81	1.19	100.00
3	1F	3123	1	0.74	0.73	0.44	0.44	0.96	98.53	1.47	100.00
3	10A	3109	2	1.28	1.28	0.48	0.48	0.47	75.87	24.00	99.87
3	10B	3109	1	0.98	0.98	0.15	0.15	0.45	97.43	2.57	100.00
3	10C	3109	1	0.75	0.75	0.43	0.43	0.54	83.24	16.76	100.00
3	10D	3109	1	0.87	0.87	0.34	0.34	0.53	89.54	10.46	100.00
3	27A	3112	2	1.36	1.38	0.51	0.52	0.50	74.00	25.90	99.90
3	27B	3112	1	0.97	0.97	0.17	0.17	0.62	97.98	2.02	100.00
3	27C	3112	1	0.78	0.77	0.42	0.42	0.59	85.76	14.24	100.00
3	27D	3112	1	0.85	0.85	0.35	0.36	0.56	88.95	11.05	100.00
3	39A	3110	2	1.33	1.33	0.49	0.50	0.46	73.54	26.46	100.00
3	39B	3110	1	0.98	0.98	0.15	0.15	0.54	98.01	1.99	100.00
3	39C	3110	1	0.76	0.76	0.43	0.43	0.56	84.24	15.76	100.00
3	39D	3110	1	0.89	0.89	0.31	0.31	0.51	90.80	9.20	100.00
4	1	3058	1	0.98	0.98	0.14	0.14	0.95	99.80	0.20	100.00
4	2A	3045	1	0.93	0.94	0.25	0.24	0.61	95.24	4.76	100.00
4	2B	3045	1	0.66	0.66	0.47	0.47	0.89	95.27	4.73	100.00
4	2C	3045	1	0.79	0.79	0.41	0.41	0.90	96.95	3.05	100.00
4	2D	3044	1	0.77	0.77	0.42	0.42	0.85	94.97	5.03	100.00
4	2E	3045	1	0.95	0.95	0.23	0.23	0.84	98.65	1.35	100.00
4	2F	3045	1	0.90	0.91	0.29	0.29	0.84	97.64	2.36	100.00
4	3A	3046	4	2.35	2.35	0.75	0.75	0.57	62.97	34.41	97.38
4	3B	3046	4	2.27	2.26	0.78	0.78	0.57	59.68	36.97	96.65
4	3C	3046	2	1.82	1.82	0.42	0.43	0.55	84.50	15.30	99.80
4	69	3014	4	2.51	2.54	0.73	0.74	0.63	68.45	30.72	99.17
4	93	2950	4	2.33	2.35	0.75	0.76	0.62	73.31	26.42	99.73
4	116	3025	4	2.36	2.36	0.67	0.68	0.64	72.93	26.71	99.64
5	1	2994	1	0.99	0.99	0.12	0.12	0.88	99.67	0.33	100.00
5	2A	2979	1	0.78	0.78	0.41	0.41	0.88	96.37	3.63	100.00
5	2B	2979	1	0.91	0.90	0.29	0.30	0.90	98.72	1.28	100.00
5	2C	2979	1	0.94	0.94	0.24	0.24	0.88	98.93	1.07	100.00
5	2D	2979	1	0.53	0.52	0.50	0.50	0.96	98.72	1.28	100.00
5	2E	2979	1	0.40	0.41	0.49	0.49	0.93	96.95	3.05	100.00
5	2F	2979	1	0.70	0.70	0.46	0.46	0.95	98.29	1.71	100.00
5	3A	2982	4	2.64	2.64	0.85	0.89	0.58	58.32	37.69	96.01
5	3B	2982	4	2.62	2.62	0.81	0.84	0.58	54.16	42.45	96.61
5	3C	2982	2	1.87	1.88	0.35	0.34	0.42	86.18	13.65	99.83
5	65	2969	4	2.77	2.76	0.76	0.76	0.62	63.79	34.99	98.78
5	96	2903	4	2.72	2.73	0.77	0.77	0.62	72.57	26.95	99.52
5	116	3025	4	2.36	2.36	0.67	0.68	0.64	72.93	26.71	99.64

**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	2884	1	0.99	0.99	0.10	0.11	0.88	99.72	0.28	100.00
6	2A	2867	1	0.73	0.73	0.45	0.44	0.91	96.93	3.07	100.00
6	2B	2868	1	0.65	0.66	0.48	0.48	0.94	97.73	2.27	100.00
6	2C	2868	1	0.96	0.96	0.19	0.19	0.50	96.48	3.52	100.00
6	2D	2868	1	0.76	0.76	0.43	0.43	0.91	97.24	2.76	100.00
6	2E	2867	1	0.43	0.43	0.50	0.50	0.91	96.20	3.80	100.00
6	2F	2868	1	0.87	0.87	0.34	0.34	0.91	98.40	1.60	100.00
6	3A	2874	4	2.69	2.69	0.77	0.77	0.61	61.23	37.00	98.23
6	3B	2874	4	2.64	2.64	0.81	0.81	0.58	56.21	40.93	97.14
6	3C	2874	2	1.90	1.90	0.33	0.32	0.49	89.28	10.65	99.93
6	80	2853	4	2.63	2.63	0.74	0.73	0.65	70.58	28.82	99.40
6	98	2903	4	2.72	2.73	0.77	0.77	0.62	72.57	26.95	99.52
6	116	2856	4	2.72	2.71	0.80	0.80	0.69	68.21	31.23	99.44
7	1	2873	1	0.99	0.99	0.11	0.11	0.90	99.76	0.24	100.00
7	2A	2855	1	0.91	0.92	0.28	0.27	0.79	97.13	2.87	100.00
7	2B	2855	1	0.85	0.85	0.36	0.36	0.74	93.66	6.34	100.00
7	2C	2855	1	0.42	0.42	0.49	0.49	0.93	97.30	2.70	100.00
7	2D	2855	1	0.19	0.19	0.39	0.39	0.93	98.46	1.54	100.00
7	2E	2855	1	0.86	0.86	0.35	0.35	0.84	96.46	3.54	100.00
7	2F	2855	1	0.39	0.39	0.49	0.49	0.94	97.86	2.14	100.00
7	3A	2853	4	2.51	2.50	0.84	0.82	0.63	64.16	33.35	97.51
7	3B	2853	4	2.52	2.52	0.79	0.76	0.61	63.32	34.82	98.14
7	3C	2853	2	1.90	1.90	0.31	0.31	0.41	88.52	11.44	99.96
7	72	2823	4	2.63	2.63	0.70	0.72	0.64	72.44	27.28	99.72
7	95	2856	4	2.72	2.71	0.80	0.80	0.69	68.21	31.23	99.44
7	116	2815	4	2.51	2.51	0.75	0.73	0.66	74.24	25.62	99.86
8	1	2782	1	0.99	0.99	0.12	0.11	0.95	99.86	0.14	100.00
8	2A	2758	1	0.80	0.80	0.40	0.40	0.79	93.94	6.06	100.00
8	2B	2758	1	0.82	0.82	0.38	0.38	0.82	95.40	4.60	100.00
8	2C	2758	1	0.74	0.74	0.44	0.44	0.94	98.37	1.63	100.00
8	2D	2758	1	0.82	0.82	0.39	0.39	0.85	96.12	3.88	100.00
8	2E	2758	1	0.66	0.66	0.47	0.47	0.89	96.04	3.96	100.00
8	2F	2757	1	0.94	0.95	0.23	0.23	0.72	97.57	2.43	100.00
8	3A	2758	4	2.61	2.62	0.76	0.76	0.59	62.77	35.12	97.89
8	3B	2756	4	2.65	2.66	0.73	0.73	0.59	63.57	35.16	98.73
8	3C	2756	2	1.95	1.95	0.23	0.22	0.49	94.88	5.08	99.96
8	72	2742	4	2.73	2.73	0.71	0.72	0.63	71.41	28.08	99.49
8	94	2696	4	2.50	2.51	0.73	0.72	0.59	70.49	29.25	99.74
8	116	2815	4	2.51	2.51	0.75	0.73	0.66	74.24	25.62	99.86

**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	2811	1	0.97	0.97	0.18	0.18	0.93	99.50	0.50	100.00
9	2A	2759	1	0.24	0.24	0.43	0.43	0.90	97.75	2.25	100.00
9	2B	2759	1	0.71	0.71	0.46	0.46	0.83	94.13	5.87	100.00
9	2C	2759	1	0.79	0.79	0.41	0.41	0.89	97.75	2.25	100.00
9	2D	2759	1	0.41	0.41	0.49	0.49	0.92	97.97	2.03	100.00
9	2E	2759	1	0.62	0.62	0.49	0.48	0.88	95.90	4.10	100.00
9	2F	2760	1	0.38	0.38	0.48	0.49	0.92	97.64	2.36	100.00
9	3A	2759	4	2.73	2.73	0.77	0.77	0.60	64.06	34.86	98.92
9	3B	2759	4	2.74	2.76	0.77	0.77	0.60	62.94	36.00	98.94
9	3C	2759	2	1.94	1.95	0.23	0.23	0.43	93.26	6.74	100.00
9	65	2742	4	2.73	2.73	0.71	0.72	0.63	71.41	28.08	99.49
9	91	2683	4	2.43	2.44	0.80	0.80	0.60	74.10	25.34	99.44
9	116	2644	4	2.31	2.32	0.76	0.76	0.59	76.05	23.65	99.70
10	1	2754	1	0.96	0.96	0.21	0.21	0.96	99.67	0.33	100.00
10	2A	2678	1	0.71	0.71	0.45	0.45	0.87	97.09	2.91	100.00
10	2B	2678	1	0.70	0.70	0.46	0.46	0.88	97.16	2.84	100.00
10	2C	2678	1	0.74	0.75	0.44	0.44	0.86	96.68	3.32	100.00
10	2D	2677	1	0.79	0.79	0.41	0.41	0.75	93.68	6.32	100.00
10	2E	2671	1	0.39	0.39	0.49	0.49	0.83	94.45	5.55	100.00
10	2F	2677	1	0.82	0.82	0.38	0.38	0.80	96.12	3.88	100.00
10	3A	2672	4	2.51	2.50	0.76	0.76	0.59	66.87	31.75	98.62
10	3B	2672	4	2.50	2.49	0.75	0.75	0.56	64.81	33.73	98.54
10	3C	2672	2	1.86	1.86	0.36	0.35	0.47	86.75	13.22	99.97
10	69	2604	4	2.72	2.72	0.78	0.77	0.57	71.62	27.69	99.31
10	90	2683	4	2.43	2.44	0.80	0.80	0.60	74.10	25.34	99.44
10	116	2576	4	2.50	2.49	0.80	0.80	0.57	75.04	24.42	99.46

**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	3128	2	0.89	0.89	0.60	0.60	0.89	94.31	5.69	100.00
3	10	3120	2	1.09	1.09	0.83	0.84	0.87	87.81	11.45	99.26
3	15	3127	2	1.39	1.39	0.69	0.70	0.88	91.30	8.60	99.90
3	20	3132	3	1.53	1.53	1.01	1.01	0.91	87.87	11.49	99.36
3	23	3127	2	1.54	1.54	0.64	0.64	0.86	90.85	8.99	99.84
3	30	3122	2	1.39	1.39	0.81	0.81	0.95	97.47	2.47	99.94
3	37	2970	2	0.78	0.79	0.79	0.79	0.80	93.53	6.40	99.93
3	40	3130	3	2.16	2.17	0.86	0.85	0.86	84.86	14.76	99.62
4	5	3222	2	0.92	0.93	0.88	0.87	0.90	87.12	12.20	99.32
4	10	3225	3	2.65	2.65	0.67	0.67	0.84	89.54	9.84	99.38
4	15	2970	2	0.78	0.79	0.79	0.79	0.80	93.53	6.40	99.93
4	18	3223	3	2.09	2.09	0.93	0.93	0.90	86.44	13.19	99.63
4	23	3220	4	1.98	1.99	1.20	1.20	0.95	93.26	6.34	99.60
4	27	3127	2	1.39	1.39	0.69	0.70	0.88	91.30	8.60	99.90
4	35	3215	3	1.04	1.04	0.94	0.95	0.87	82.42	16.96	99.38
4	37	3194	2	1.63	1.63	0.69	0.68	0.88	93.36	6.42	99.78
4	41	3221	3	2.49	2.47	0.90	0.92	0.89	91.06	6.71	97.77
4	46	3208	4	2.86	2.86	1.50	1.49	0.92	89.99	5.67	95.66
4	52	3215	2	1.09	1.09	0.59	0.59	0.87	92.25	7.75	100.00
4	56	3205	3	1.88	1.88	1.05	1.04	0.86	78.51	20.33	98.84
4	60	3122	2	1.39	1.39	0.81	0.81	0.95	97.47	2.47	99.94
4	63	3220	3	1.56	1.56	1.12	1.12	0.96	93.85	5.84	99.69
4	69	3217	4	2.44	2.44	1.26	1.27	0.94	88.93	10.38	99.31
5	3	3222	2	0.92	0.93	0.88	0.87	0.90	87.12	12.20	99.32
5	7	3086	3	1.54	1.54	0.83	0.83	0.90	89.66	10.05	99.71
5	15	3085	2	1.52	1.52	0.74	0.74	0.86	87.52	11.99	99.51
5	17	3082	3	2.11	2.10	0.88	0.88	0.80	76.49	22.63	99.12
5	23	3208	4	2.86	2.86	1.50	1.49	0.92	89.99	5.67	95.66
5	28	3080	2	1.37	1.36	0.82	0.83	0.95	95.16	4.71	99.87
5	31	3088	3	2.16	2.15	1.06	1.06	0.95	92.03	7.80	99.83
5	34	3070	2	1.06	1.05	0.76	0.76	0.93	95.99	3.65	99.64
5	41	3220	3	1.56	1.56	1.12	1.12	0.96	93.85	5.84	99.69
5	46	3089	4	1.76	1.76	1.52	1.52	0.97	90.68	9.19	99.87
5	50	3078	2	0.95	0.96	0.92	0.92	0.91	88.88	10.89	99.77
5	55	3205	3	1.88	1.88	1.05	1.04	0.86	78.51	20.33	98.84
5	60	3078	2	1.04	1.04	0.80	0.80	0.84	84.04	15.24	99.28
5	64	3089	3	1.85	1.85	0.95	0.95	0.91	86.63	13.05	99.68
5	69	3084	4	2.55	2.53	1.01	1.01	0.75	67.64	27.53	95.17

**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	3008	2	1.73	1.73	0.47	0.48	0.90	97.41	2.46	99.87
6	6	3086	3	1.54	1.54	0.83	0.83	0.90	89.66	10.05	99.71
6	10	2989	2	1.06	1.06	0.68	0.68	0.82	87.88	11.82	99.70
6	15	2962	3	1.46	1.46	0.99	0.99	0.83	83.79	15.50	99.29
6	20	3002	4	1.99	1.99	1.16	1.17	0.87	77.85	21.12	98.97
6	23	3078	2	1.04	1.04	0.80	0.80	0.84	84.04	15.24	99.28
6	25	3009	3	0.82	0.83	0.90	0.91	0.92	91.92	7.78	99.70
6	30	2987	2	1.47	1.47	0.80	0.80	0.92	94.17	5.79	99.96
6	33	3088	3	2.16	2.15	1.06	1.06	0.95	92.03	7.80	99.83
6	40	2999	4	1.32	1.32	1.07	1.07	0.82	79.72	16.88	96.60
6	44	3002	2	1.37	1.37	0.63	0.63	0.68	76.32	23.58	99.90
6	47	3003	3	1.75	1.74	1.16	1.16	0.93	89.04	9.89	98.93
6	53	2994	2	0.66	0.66	0.80	0.80	0.91	92.55	7.25	99.80
6	58	2999	3	2.10	2.10	0.90	0.91	0.86	85.06	14.37	99.43
6	60	2986	4	1.78	1.77	1.32	1.32	0.86	76.29	20.53	96.82
7	3	2947	2	0.33	0.33	0.61	0.60	0.75	88.00	11.46	99.46
7	7	2973	3	1.64	1.66	1.16	1.17	0.86	75.61	22.38	97.99
7	12	2916	2	0.49	0.48	0.69	0.69	0.81	94.34	4.43	98.77
7	15	2952	3	1.25	1.25	1.11	1.11	0.91	90.95	8.74	99.69
7	20	2912	4	1.22	1.20	1.22	1.21	0.80	80.51	18.08	98.59
7	23	2943	2	0.50	0.51	0.81	0.81	0.89	93.74	5.89	99.63
7	26	2972	3	1.89	1.88	0.99	0.99	0.87	82.84	16.32	99.16
7	30	2937	2	1.03	1.04	0.81	0.81	0.80	83.77	15.28	99.05
7	34	2971	3	1.46	1.46	1.07	1.06	0.93	92.73	6.94	99.67
7	40	2962	4	1.07	1.08	1.48	1.50	0.87	81.86	12.97	94.83
7	43	2994	2	0.66	0.66	0.80	0.80	0.91	92.55	7.25	99.80
7	47	3003	3	1.75	1.74	1.16	1.16	0.93	89.04	9.89	98.93
7	51	2945	2	0.38	0.39	0.73	0.73	0.87	93.58	6.12	99.70
7	56	2999	3	2.10	2.10	0.90	0.91	0.86	85.06	14.37	99.43
7	60	2930	4	1.49	1.50	1.10	1.10	0.74	73.84	21.38	95.22
8	3	2861	2	1.09	1.09	0.88	0.88	0.89	87.20	12.45	99.65
8	8	2821	3	1.39	1.38	1.33	1.33	0.86	80.50	16.26	96.76
8	11	2947	2	0.33	0.33	0.61	0.60	0.75	88.00	11.46	99.46
8	15	2826	3	0.72	0.73	0.85	0.85	0.65	70.11	26.17	96.28
8	20	2789	4	1.24	1.24	0.97	0.97	0.76	89.20	10.44	99.64
8	25	2849	2	0.78	0.78	0.76	0.76	0.93	96.91	3.09	100.00
8	28	2837	3	1.30	1.30	1.04	1.05	0.83	76.49	22.70	99.19
8	32	2943	2	0.50	0.51	0.81	0.81	0.89	93.74	5.89	99.63
8	35	2841	3	1.55	1.56	1.15	1.16	0.83	72.15	25.74	97.89
8	40	2837	4	1.28	1.26	1.31	1.31	0.86	78.67	20.16	98.83
8	45	2811	2	0.84	0.84	0.96	0.95	0.90	93.37	5.84	99.21
8	48	2845	3	1.36	1.34	0.79	0.79	0.79	84.81	14.52	99.33
8	51	2945	2	0.38	0.39	0.73	0.73	0.87	93.58	6.12	99.70
8	54	2841	3	1.60	1.61	1.08	1.09	0.86	84.32	14.41	98.73
8	60	2850	4	2.82	2.83	1.14	1.15	0.86	83.16	16.11	99.27

**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	2795	1	0.51	0.51	0.50	0.50	0.82	96.91	3.09	100.00
9	7	2892	3	1.21	1.21	1.29	1.30	0.87	90.83	6.82	97.65
9	10	2944	2	0.80	0.79	0.82	0.82	0.87	89.02	10.81	99.83
9	14	2907	3	0.53	0.53	0.73	0.74	0.76	91.77	8.09	99.86
9	20	2925	4	1.67	1.66	1.14	1.13	0.76	71.55	25.17	96.72
9	23	2849	2	0.78	0.78	0.76	0.76	0.93	96.91	3.09	100.00
9	28	2897	3	0.60	0.59	0.84	0.83	0.74	82.66	16.89	99.55
9	30	2887	2	0.58	0.57	0.84	0.84	0.82	89.74	9.12	98.86
9	34	2841	3	1.55	1.56	1.15	1.16	0.83	72.15	25.74	97.89
9	40	2905	4	0.83	0.83	1.12	1.12	0.82	92.42	7.03	99.45
9	46	2949	2	0.97	0.97	0.87	0.88	0.94	96.98	2.98	99.96
9	49	2872	3	1.08	1.10	1.25	1.25	0.84	85.09	13.73	98.82
9	51	2925	2	1.21	1.22	0.83	0.82	0.84	87.55	12.07	99.62
9	53	2907	3	1.18	1.19	0.89	0.89	0.60	63.92	30.84	94.76
9	60	2850	4	2.82	2.83	1.14	1.15	0.86	83.16	16.11	99.27
10	5	2944	2	0.80	0.79	0.82	0.82	0.87	89.02	10.81	99.83
10	8	2785	3	0.67	0.67	0.85	0.85	0.71	80.50	18.78	99.28
10	13	2750	2	0.91	0.91	0.80	0.80	0.82	95.05	4.95	100.00
10	17	2907	3	0.53	0.53	0.73	0.74	0.76	91.77	8.09	99.86
10	20	2905	4	0.83	0.83	1.12	1.12	0.82	92.42	7.03	99.45
10	25	2813	2	1.23	1.24	0.64	0.65	0.67	80.05	19.42	99.47
10	28	2800	3	1.09	1.10	0.71	0.71	0.73	91.67	8.22	99.89
10	31	2887	2	0.58	0.57	0.84	0.84	0.82	89.74	9.12	98.86
10	34	2796	3	1.75	1.75	1.00	1.00	0.80	86.84	12.66	99.50
10	40	2812	4	1.90	1.91	1.01	1.01	0.65	68.32	25.92	94.24
10	44	2800	2	0.07	0.07	0.33	0.34	0.66	98.57	1.36	99.93
10	49	2792	3	1.65	1.65	1.27	1.27	0.86	89.89	9.33	99.22
10	53	2681	2	0.63	0.64	0.90	0.91	0.82	98.13	1.69	99.82
10	55	2753	3	0.82	0.84	1.11	1.12	0.78	85.86	12.72	98.58
10	60	2740	4	1.45	1.46	1.29	1.29	0.76	80.93	18.34	99.27

**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	6	3059	2	0.60	0.62	0.69	0.69	0.76	81.85	17.36	99.21
5	21	3062	1	0.36	0.37	0.48	0.48	0.87	94.58	5.42	100.00
5	22	3057	1	0.62	0.62	0.49	0.49	0.95	98.43	1.57	100.00
5	23	3061	2	0.87	0.88	0.75	0.75	0.67	70.87	27.17	98.04
5	24	3059	1	0.46	0.47	0.50	0.50	0.65	83.22	16.78	100.00
5	25	3054	2	1.36	1.35	0.83	0.84	0.75	81.25	14.49	95.74
5	31	3040	2	0.42	0.43	0.64	0.65	0.77	85.88	13.79	99.67
5	34	3063	1	0.57	0.57	0.50	0.49	0.60	80.89	19.11	100.00
5	37	3054	2	0.68	0.69	0.79	0.80	0.85	86.48	12.93	99.41
5	41	3060	2	0.96	0.96	0.77	0.76	0.80	80.16	19.28	99.44
5	45	3065	2	0.90	0.89	0.74	0.74	0.91	93.61	6.26	99.87
5	48	3051	2	0.73	0.73	0.53	0.53	0.65	82.28	17.66	99.94
5	54	3059	2	1.38	1.38	0.79	0.79	0.69	73.94	22.69	96.63
5	57	3053	2	1.54	1.54	0.59	0.60	0.76	87.55	11.93	99.48
5	61	3069	1	0.62	0.62	0.49	0.49	0.73	87.78	12.22	100.00
5	68	3037	2	0.95	0.93	0.80	0.80	0.76	76.48	22.96	99.44
5	73	3049	2	0.74	0.73	0.63	0.63	0.83	90.62	9.25	99.87
5	75	3057	2	0.58	0.58	0.67	0.67	0.76	82.78	16.69	99.47
8	14	2919	1	0.57	0.57	0.49	0.49	0.86	93.97	6.03	100.00
8	19	2907	2	1.25	1.24	0.79	0.80	0.78	79.77	19.10	98.87
8	20	2904	1	0.57	0.57	0.50	0.50	0.77	90.27	9.73	100.00
8	21	2895	1	0.83	0.82	0.38	0.38	0.73	93.37	6.63	100.00
8	22	2916	4	2.76	2.78	1.23	1.21	0.74	62.89	29.93	92.82
8	23	2886	1	0.81	0.82	0.39	0.39	0.72	92.95	7.05	100.00
8	24	2877	1	0.27	0.27	0.45	0.45	0.81	94.60	5.40	100.00
8	25	2873	1	0.43	0.44	0.50	0.50	0.80	92.64	7.36	100.00
8	31	2878	2	0.77	0.79	0.77	0.78	0.76	80.47	18.93	99.40
8	35	2857	1	0.11	0.11	0.31	0.31	0.68	95.48	4.52	100.00
8	39	2897	2	0.55	0.55	0.55	0.56	0.77	92.28	7.51	99.79
8	44	2891	3	2.03	2.03	1.01	1.01	0.81	78.27	21.11	99.38
8	47	2872	2	1.00	0.98	0.86	0.85	0.69	72.09	24.21	96.30
8	51	2869	2	0.85	0.85	0.66	0.66	0.75	86.69	12.93	99.62
8	57	2904	2	1.62	1.63	0.62	0.62	0.68	81.84	16.95	98.79
8	62	2912	2	0.76	0.75	0.64	0.64	0.71	80.44	19.42	99.86
8	64	2918	1	0.62	0.61	0.49	0.49	0.62	82.66	17.34	100.00
8	66	2754	1	0.01	0.01	0.11	0.12	0.42	98.43	1.57	100.00
8	69	2684	2	0.09	0.09	0.34	0.34	0.52	95.51	4.26	99.77
8	73	2911	2	0.93	0.93	0.79	0.79	0.82	84.16	15.22	99.38
8	76	2828	2	0.30	0.29	0.52	0.51	0.67	93.69	6.31	100.00
8	80	2773	2	0.73	0.73	0.78	0.77	0.69	78.37	20.83	99.20
8	83	2904	2	0.84	0.83	0.51	0.50	0.75	91.46	8.51	99.97

**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	9	2783	2	0.67	0.68	0.72	0.72	0.67	76.40	23.31	99.71
10	15	2799	2	0.94	0.93	0.75	0.76	0.77	88.30	11.23	99.53
10	22	2787	4	2.27	2.26	1.52	1.50	0.75	65.77	27.15	92.92
10	23	2735	2	1.05	1.06	0.87	0.87	0.80	93.39	6.02	99.41
10	24	2715	2	0.86	0.86	0.72	0.72	0.68	86.34	13.14	99.48
10	25	2681	1	0.36	0.36	0.48	0.48	0.67	89.79	10.21	100.00
10	26	2679	1	0.30	0.30	0.46	0.46	0.65	90.13	9.87	100.00
10	27	2712	1	0.41	0.42	0.49	0.49	0.53	80.00	20.00	100.00
10	29	2766	1	0.58	0.57	0.49	0.49	0.59	82.68	17.32	100.00
10	32	2754	1	0.25	0.25	0.43	0.43	0.67	90.94	9.06	100.00
10	36	2143	2	0.47	0.48	0.61	0.62	0.49	91.14	8.86	100.00
10	38	2719	2	0.37	0.37	0.65	0.65	0.70	91.82	7.81	99.63
10	39	2521	2	0.46	0.46	0.77	0.77	0.67	95.25	4.55	99.80
10	42	2556	2	0.50	0.51	0.60	0.62	0.54	80.76	18.38	99.14
10	44	2736	2	0.95	0.96	0.90	0.90	0.75	83.03	15.14	98.17
10	52	2505	2	0.22	0.23	0.44	0.44	0.46	84.29	15.42	99.71
10	55	2787	1	0.41	0.41	0.49	0.49	0.73	90.40	9.60	100.00
10	58	2788	2	0.73	0.73	0.61	0.60	0.72	91.31	8.47	99.78
10	59	2609	1	0.09	0.09	0.29	0.29	0.63	98.69	1.31	100.00
10	61	2681	2	0.47	0.48	0.62	0.62	0.62	87.33	12.37	99.70
10	63	2673	2	0.41	0.41	0.57	0.57	0.64	92.76	7.05	99.81
10	75	2767	2	0.78	0.77	0.77	0.77	0.77	88.64	11.29	99.93
10	83	2745	1	0.54	0.54	0.50	0.50	0.72	90.47	9.53	100.00



**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	239	3	1.73	1.69	1.22	1.24	0.90	88.66	10.50	99.16
3	2	239	3	1.86	1.89	1.33	1.32	0.95	95.40	4.18	99.58
3	8	239	2	1.12	1.13	0.81	0.80	0.88	88.70	11.30	100.00
3	17	236	3	1.94	1.94	1.04	1.06	0.74	69.49	26.27	95.76
3	25	239	2	1.44	1.38	0.72	0.78	0.72	73.64	25.52	99.16
3	26	239	2	0.72	0.73	0.83	0.84	0.79	84.52	12.13	96.65
3	32	237	3	1.18	1.17	0.89	0.90	0.88	95.78	4.22	100.00
3	36	238	2	1.21	1.19	0.83	0.82	0.83	81.93	18.07	100.00
4	13	26	3	1.04	1.08	0.92	0.84	0.78	88.46	11.54	100.00
4	14	24	2	0.50	0.75	0.51	0.68	0.53	75.00	25.00	100.00
4	29	26	3	2.04	2.19	1.11	1.02	0.82	84.62	15.38	100.00
4	31	26	2	0.81	0.54	0.69	0.65	0.46	61.54	34.62	96.16
4	33	26	3	1.00	1.00	0.80	0.85	0.70	76.92	23.08	100.00
4	34	25	3	0.96	1.20	0.98	1.00	0.65	72.00	24.00	96.00
4	42	25	2	0.48	0.44	0.59	0.58	0.64	88.00	12.00	100.00
4	44	24	2	1.25	1.25	0.74	0.74	0.73	100.00	0.00	100.00
4	45	25	3	0.84	1.08	0.99	0.95	0.64	72.00	24.00	96.00
4	97	25	2	0.56	0.52	0.71	0.59	0.56	72.00	28.00	100.00
4	98	25	3	1.04	1.12	1.02	1.05	0.73	84.00	16.00	100.00
4	100	26	2	0.69	0.62	0.68	0.70	0.74	84.62	15.38	100.00
4	108	26	2	1.46	1.44	0.76	0.70	0.80	92.31	7.69	100.00
4	116	26	3	1.73	1.73	0.78	0.78	0.76	92.31	7.69	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	232	1	0.84	0.83	0.37	0.37	0.84	97.40	2.60	100.00
3	4B	232	1	0.19	0.19	0.39	0.39	0.90	99.13	0.87	100.00
3	4C	232	1	0.71	0.72	0.45	0.45	0.91	98.70	1.30	100.00
3	4D	232	1	0.67	0.68	0.47	0.47	0.92	98.70	1.30	100.00
3	4E	232	1	0.54	0.55	0.50	0.50	0.94	99.57	0.43	100.00
3	4F	232	1	0.79	0.80	0.41	0.40	0.84	96.97	3.03	100.00
3	16A	236	2	1.39	1.43	0.58	0.57	0.56	71.91	28.09	100.00
3	16B	236	1	0.92	0.92	0.27	0.27	0.67	95.74	4.26	100.00
3	16C	236	1	0.76	0.72	0.43	0.45	0.41	77.45	22.55	100.00
3	16D	236	1	0.95	0.96	0.22	0.20	0.71	97.87	2.13	100.00
3	27A	236	2	1.23	1.25	0.70	0.69	0.74	82.13	16.17	98.30
3	27B	236	1	0.75	0.74	0.43	0.44	0.63	86.38	13.62	100.00
3	27C	236	1	0.72	0.73	0.45	0.45	0.60	84.68	15.32	100.00
3	27D	236	1	0.83	0.85	0.37	0.36	0.77	94.47	5.53	100.00
3	39A	235	2	1.06	1.05	0.48	0.49	0.49	77.78	22.22	100.00
3	39B	235	1	0.82	0.77	0.38	0.42	0.41	81.20	18.80	100.00
3	39C	235	1	0.71	0.65	0.46	0.48	0.41	74.79	25.21	100.00
3	39D	235	1	0.90	0.89	0.30	0.31	0.55	92.31	7.69	100.00
4	1	27	1	0.89	0.85	0.32	0.36	0.84	96.30	3.70	100.00
4	2A	25	1	0.88	0.88	0.33	0.33	0.77	100.00	0.00	100.00
4	2B	25	1	0.80	0.84	0.41	0.37	0.53	88.00	12.00	100.00
4	2C	25	1	0.76	0.80	0.44	0.41	0.58	88.00	12.00	100.00
4	2D	25	1	0.80	0.92	0.41	0.28	0.48	88.00	12.00	100.00
4	2E	25	1	0.48	0.52	0.51	0.51	0.68	88.00	12.00	100.00
4	2F	25	1	0.20	0.28	0.41	0.46	0.68	92.00	8.00	100.00
4	3A	26	4	1.65	1.58	1.20	0.99	0.55	61.54	26.92	88.46
4	3B	26	4	1.50	1.54	1.07	0.86	0.60	65.38	26.92	92.30
4	3C	26	2	1.46	1.73	0.51	0.45	0.47	73.08	26.92	100.00
4	25	25	4	1.44	1.40	1.08	1.08	0.69	88.00	12.00	100.00
4	63	26	4	2.00	2.08	0.94	1.16	0.67	65.38	30.77	96.15
4	90	26	4	1.85	1.85	1.08	1.08	0.82	100.00	0.00	100.00

Table 17. Rater Severity/Leniency Study Results

Content Area	2009/2010 Grade	2009/2010 Item Number	2011 Item Number	Valid N	Mean 2009/2010	Mean 2011	Mean Difference	STD 2009/2010	STD 2011	% Adjacent	% Exact	% Discrepant	Corr	Intra Class Corr	Wtd Kappa
<b>Reading</b>	<b>3</b>	<b>10</b>	<b>4</b>	<b>994</b>	<b>0.86</b>	<b>0.89</b>	<b>-0.03</b>	<b>0.58</b>	<b>0.62</b>	<b>19.62</b>	<b>79.48</b>	<b>0.91</b>	<b>0.68</b>	<b>0.84</b>	<b>0.68</b>
Reading	3	37	37	991	1.21	1.05	0.16	0.67	0.69	30.07	69.63	0.30	0.69	0.83	0.67
Reading	4	23	23	987	0.76	1.08	-0.32	0.69	0.69	35.36	63.83	0.81	0.70	0.81	0.63
<b>Reading</b>	<b>4</b>	<b>116</b>	<b>109</b>	<b>982</b>	<b>1.02</b>	<b>1.22</b>	<b>-0.20</b>	<b>0.81</b>	<b>0.85</b>	<b>28.11</b>	<b>67.01</b>	<b>4.89</b>	<b>0.67</b>	<b>0.82</b>	<b>0.65</b>
Reading	5	39	36	985	0.95	1.08	-0.13	0.91	0.98	21.93	76.24	1.83	0.85	0.92	0.84
<b>Reading</b>	<b>5</b>	<b>35</b>	<b>43</b>	<b>974</b>	<b>0.94</b>	<b>0.98</b>	<b>-0.04</b>	<b>0.83</b>	<b>0.86</b>	<b>19.82</b>	<b>77.31</b>	<b>2.87</b>	<b>0.78</b>	<b>0.89</b>	<b>0.78</b>
Reading	6	20	11	985	2.29	2.34	-0.05	0.94	0.92	12.99	86.60	0.41	0.91	0.96	0.91
<b>Reading</b>	<b>6</b>	<b>36</b>	<b>45</b>	<b>987</b>	<b>1.07</b>	<b>1.04</b>	<b>0.03</b>	<b>0.83</b>	<b>0.82</b>	<b>13.07</b>	<b>86.52</b>	<b>0.41</b>	<b>0.89</b>	<b>0.95</b>	<b>0.89</b>
Reading	7	4	4	981	2.43	2.49	-0.06	0.83	0.80	11.62	87.26	1.12	0.88	0.94	0.88
Reading	7	44	47	984	1.55	1.52	0.03	0.77	0.77	9.25	90.14	0.61	0.90	0.95	0.90
Reading	8	39	47	946	1.42	1.37	0.05	0.78	0.79	12.58	86.05	1.37	0.86	0.93	0.85
<b>Reading</b>	<b>8</b>	<b>109</b>	<b>109</b>	<b>961</b>	<b>2.12</b>	<b>2.07</b>	<b>0.05</b>	<b>1.02</b>	<b>1.04</b>	<b>29.97</b>	<b>67.53</b>	<b>2.50</b>	<b>0.81</b>	<b>0.90</b>	<b>0.81</b>
Reading	9	16	18	969	2.13	2.17	-0.04	1.04	1.03	4.85	92.26	2.89	0.92	0.96	0.92
<b>Reading</b>	<b>9</b>	<b>90</b>	<b>93</b>	<b>930</b>	<b>1.38</b>	<b>1.14</b>	<b>0.24</b>	<b>1.09</b>	<b>0.96</b>	<b>40.00</b>	<b>52.80</b>	<b>7.20</b>	<b>0.70</b>	<b>0.84</b>	<b>0.68</b>
<b>Reading</b>	<b>10</b>	<b>11</b>	<b>19</b>	<b>970</b>	<b>1.43</b>	<b>1.31</b>	<b>0.12</b>	<b>0.66</b>	<b>0.68</b>	<b>35.05</b>	<b>63.51</b>	<b>1.44</b>	<b>0.56</b>	<b>0.77</b>	<b>0.55</b>
Reading	10	49	31	960	1.04	0.91	0.13	0.80	0.86	32.50	60.52	6.98	0.57	0.78	0.56
<b>Writing</b>	<b>3</b>	<b>39A</b>	<b>39A</b>	<b>989</b>	<b>1.08</b>	<b>1.30</b>	<b>-0.22</b>	<b>0.30</b>	<b>0.47</b>	<b>25.28</b>	<b>74.62</b>	<b>0.10</b>	<b>0.34</b>	<b>0.61</b>	<b>0.27</b>
<b>Writing</b>	<b>3</b>	<b>39B</b>	<b>39B</b>	<b>989</b>	<b>0.99</b>	<b>0.99</b>	<b>0.00</b>	<b>0.10</b>	<b>0.08</b>	<b>0.91</b>	<b>99.09</b>	<b>0.00</b>	<b>0.47</b>	<b>0.73</b>	<b>0.47</b>
<b>Writing</b>	<b>3</b>	<b>39C</b>	<b>39C</b>	<b>989</b>	<b>0.74</b>	<b>0.68</b>	<b>0.06</b>	<b>0.44</b>	<b>0.47</b>	<b>17.80</b>	<b>82.20</b>	<b>0.00</b>	<b>0.58</b>	<b>0.78</b>	<b>0.57</b>
<b>Writing</b>	<b>3</b>	<b>39D</b>	<b>39D</b>	<b>989</b>	<b>0.89</b>	<b>0.81</b>	<b>0.08</b>	<b>0.31</b>	<b>0.39</b>	<b>17.29</b>	<b>82.71</b>	<b>0.00</b>	<b>0.35</b>	<b>0.66</b>	<b>0.33</b>
<b>Writing</b>	<b>4</b>	<b>73</b>	<b>69</b>	<b>995</b>	<b>2.53</b>	<b>2.46</b>	<b>0.07</b>	<b>0.75</b>	<b>0.78</b>	<b>32.06</b>	<b>67.64</b>	<b>0.30</b>	<b>0.72</b>	<b>0.86</b>	<b>0.72</b>
<b>Writing</b>	<b>5</b>	<b>64</b>	<b>65</b>	<b>992</b>	<b>2.80</b>	<b>2.84</b>	<b>-0.04</b>	<b>0.73</b>	<b>0.74</b>	<b>35.28</b>	<b>63.51</b>	<b>1.21</b>	<b>0.62</b>	<b>0.81</b>	<b>0.62</b>
Writing	6	79	80	997	2.61	2.74	-0.13	0.65	0.62	26.28	73.42	0.30	0.68	0.83	0.67
Writing	7	60	95	998	2.88	2.78	0.10	0.66	0.72	27.15	72.75	0.10	0.73	0.86	0.72
Writing	8	88	94	964	2.46	2.41	0.05	0.74	0.68	25.52	74.38	0.10	0.75	0.87	0.74

\* Items from 2010 are in bold.

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

Content Area	2009/2010 Grade	2009/2010 Item Number	2011 Item Number	Valid N	Mean 2009/2010	Mean 2011	Mean Difference	STD 2009/2010	STD 2011	% Adjacent	% Exact	% Discrepant	Corr	Intra Class Corr	Wtd Kappa
Writing	9	116	91	990	2.46	2.51	-0.05	0.73	0.81	29.60	69.70	0.71	0.73	0.86	0.72
Writing	10	94	90	982	2.42	2.40	0.02	0.78	0.78	28.92	70.77	0.31	0.75	0.87	0.75
Mathematics	3	31	30	998	1.36	1.31	0.05	0.84	0.84	5.21	93.69	1.10	0.93	0.97	0.93
Mathematics	3	40	40	1001	2.10	2.20	-0.10	0.83	0.85	15.38	84.02	0.60	0.88	0.94	0.87
<b>Mathematics</b>	<b>4</b>	<b>23</b>	<b>23</b>	<b>997</b>	<b>1.94</b>	<b>1.93</b>	<b>0.01</b>	<b>1.20</b>	<b>1.19</b>	<b>6.22</b>	<b>93.48</b>	<b>0.30</b>	<b>0.97</b>	<b>0.99</b>	<b>0.97</b>
Mathematics	4	28	27	999	1.57	1.56	0.01	0.62	0.63	7.41	92.49	0.10	0.90	0.95	0.90
Mathematics	4	63	63	1003	1.80	1.83	-0.03	1.11	1.10	5.18	94.62	0.20	0.98	0.99	0.98
<b>Mathematics</b>	<b>5</b>	<b>17</b>	<b>15</b>	<b>1000</b>	<b>1.46</b>	<b>1.44</b>	<b>0.02</b>	<b>0.77</b>	<b>0.77</b>	<b>10.60</b>	<b>88.80</b>	<b>0.60</b>	<b>0.89</b>	<b>0.94</b>	<b>0.89</b>
Mathematics	5	54	55	999	2.31	2.41	-0.10	0.86	0.87	22.42	74.67	2.90	0.77	0.88	0.77
Mathematics	5	69	69	999	2.54	2.69	-0.15	1.05	0.97	27.93	68.47	3.60	0.80	0.89	0.79
<b>Mathematics</b>	<b>6</b>	<b>4</b>	<b>4</b>	<b>999</b>	<b>1.78</b>	<b>1.80</b>	<b>-0.02</b>	<b>0.46</b>	<b>0.41</b>	<b>2.10</b>	<b>97.50</b>	<b>0.40</b>	<b>0.91</b>	<b>0.95</b>	<b>0.90</b>
Mathematics	6	16	15	973	1.50	1.53	-0.03	1.05	1.01	11.82	87.98	0.21	0.94	0.97	0.94
<b>Mathematics</b>	<b>6</b>	<b>20</b>	<b>20</b>	<b>996</b>	<b>2.05</b>	<b>2.12</b>	<b>-0.07</b>	<b>1.09</b>	<b>1.17</b>	<b>23.09</b>	<b>75.80</b>	<b>1.10</b>	<b>0.90</b>	<b>0.95</b>	<b>0.89</b>
Mathematics	7	26	12	964	0.55	0.59	-0.04	0.71	0.71	9.96	87.55	2.49	0.80	0.90	0.80
<b>Mathematics</b>	<b>7</b>	<b>20</b>	<b>20</b>	<b>985</b>	<b>1.55</b>	<b>1.52</b>	<b>0.03</b>	<b>1.31</b>	<b>1.27</b>	<b>18.07</b>	<b>79.80</b>	<b>2.13</b>	<b>0.92</b>	<b>0.96</b>	<b>0.92</b>
Mathematics	7	57	56	999	2.38	2.42	-0.04	0.77	0.73	14.01	85.69	0.30	0.87	0.93	0.86
Mathematics	8	2	3	1001	1.33	1.27	0.06	0.81	0.83	17.68	81.62	0.70	0.85	0.92	0.85
Mathematics	8	6	8	966	1.63	1.63	0.00	1.22	1.29	26.09	70.50	3.42	0.87	0.93	0.87
Mathematics	8	50	48	991	1.29	1.29	0.00	0.80	0.82	13.42	85.97	0.61	0.88	0.94	0.88
Mathematics	9	4	10	995	0.91	0.90	0.01	0.79	0.82	17.39	82.51	0.10	0.86	0.93	0.86
Mathematics	9	29	28	979	0.76	0.67	0.09	1.01	0.89	21.04	77.83	1.12	0.87	0.93	0.86
<b>Mathematics</b>	<b>9</b>	<b>35</b>	<b>34</b>	<b>988</b>	<b>1.54</b>	<b>1.80</b>	<b>-0.26</b>	<b>1.14</b>	<b>1.06</b>	<b>36.94</b>	<b>61.34</b>	<b>1.72</b>	<b>0.85</b>	<b>0.91</b>	<b>0.82</b>
Mathematics	10	14	8	984	0.79	0.80	-0.01	0.93	0.92	20.63	78.35	1.02	0.85	0.93	0.85
Mathematics	10	40	40	996	1.86	2.15	-0.29	1.01	1.09	25.00	66.47	8.53	0.77	0.86	0.73
<b>Mathematics</b>	<b>10</b>	<b>52</b>	<b>53</b>	<b>929</b>	<b>0.68</b>	<b>0.67</b>	<b>0.01</b>	<b>0.91</b>	<b>0.91</b>	<b>3.23</b>	<b>96.12</b>	<b>0.65</b>	<b>0.96</b>	<b>0.98</b>	<b>0.96</b>

\* Items from 2010 are in bold.

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

Content Area	2009/2010 Grade	2009/2010 Item Number	2011 Item Number	Valid N	Mean 2009/2010	Mean 2011	Mean Difference	STD 2009/2010	STD 2011	% Adjacent	% Exact	% Discrepant	Corr	Intra Class Corr	Wtd Kappa
Science	5	24	24	999	0.47	0.56	-0.09	0.50	0.50	17.42	82.58	0.00	0.66	0.83	0.65
<b>Science</b>	<b>5</b>	<b>49</b>	<b>48</b>	<b>995</b>	<b>0.84</b>	<b>0.81</b>	<b>0.03</b>	<b>0.58</b>	<b>0.48</b>	<b>21.61</b>	<b>78.39</b>	<b>0.00</b>	<b>0.63</b>	<b>0.81</b>	<b>0.62</b>
<b>Science</b>	<b>8</b>	<b>14</b>	<b>14</b>	<b>999</b>	<b>0.61</b>	<b>0.64</b>	<b>-0.03</b>	<b>0.49</b>	<b>0.48</b>	<b>7.21</b>	<b>92.79</b>	<b>0.00</b>	<b>0.85</b>	<b>0.92</b>	<b>0.85</b>
Science	8	22	22	995	2.82	2.78	0.04	1.17	1.18	28.14	63.82	8.04	0.76	0.88	0.76
<b>Science</b>	<b>8</b>	<b>37</b>	<b>44</b>	<b>990</b>	<b>2.02</b>	<b>2.07</b>	<b>-0.05</b>	<b>0.97</b>	<b>1.00</b>	<b>21.01</b>	<b>78.48</b>	<b>0.51</b>	<b>0.88</b>	<b>0.94</b>	<b>0.88</b>
Science	10	22	22	986	2.53	2.35	0.18	1.37	1.48	28.50	64.50	7.00	0.86	0.93	0.85
<b>Science</b>	<b>10</b>	<b>29</b>	<b>29</b>	<b>967</b>	<b>0.62</b>	<b>0.61</b>	<b>0.01</b>	<b>0.48</b>	<b>0.49</b>	<b>13.75</b>	<b>86.25</b>	<b>0.00</b>	<b>0.71</b>	<b>0.85</b>	<b>0.71</b>
<b>Science</b>	<b>10</b>	<b>68</b>	<b>75</b>	<b>969</b>	<b>0.83</b>	<b>0.86</b>	<b>-0.03</b>	<b>0.78</b>	<b>0.78</b>	<b>9.91</b>	<b>89.99</b>	<b>0.10</b>	<b>0.92</b>	<b>0.96</b>	<b>0.92</b>

\* Items from 2010 are in bold.

**Table 18. Tested Population Demographic Distribution – Reading**

Subgroup	Grade							
	3	4	5	6	7	8	9	10
<b>No Disability</b>	56000	56390	55743	54541	53902	52925	54055	52033
<b>Disability</b>	5479	5937	5980	5817	5499	5095	4827	4425
<b>No IEP</b>	55999	56380	55732	54534	53893	52913	54040	52027
<b>IEP</b>	5476	5935	5976	5814	5493	5094	4829	4423
<b>No Accommodation</b>	51301	50848	50524	51447	52654	51819	55274	53531
<b>Accommodation</b>	10132	11446	11170	8879	6715	6168	3585	2898
<b>Am. Indian/Alaska Native</b>	483	551	519	524	520	509	494	530
<b>Asian</b>	2062	1975	1902	1805	1828	1795	1810	1813
<b>Black</b>	2879	2919	2985	3040	2983	2764	2985	2852
<b>Hispanic</b>	19435	20250	20064	19249	18495	17446	17487	15869
<b>White</b>	34599	34548	34285	33860	33769	33777	34366	33799
<b>Hawaiian/Pacific Islander</b>	115	118	143	137	129	131	127	133
<b>Two or More Races</b>	1904	1964	1824	1743	1678	1601	1610	1455
<b>Not Free Lunch Eligible</b>	34693	34796	34751	34865	35144	35563	37671	37899
<b>Free Lunch Eligible</b>	22313	22829	22306	20938	19804	18267	17249	15025
<b>Reduced Lunch Eligible</b>	4450	4686	4646	4538	4428	4168	3919	3505
<b>Female</b>	30030	30686	30144	29572	29192	28419	28870	27563
<b>Male</b>	31443	31643	31578	30785	30208	29601	30011	28894
<b>Language Proficiency NA</b>	50267	50309	50151	49770	49189	48446	49697	48123
<b>Language Proficiency NEP</b>	2083	1914	1295	893	724	640	835	764
<b>Language Proficiency LEP</b>	7599	7529	6795	5293	4651	3631	3269	2772
<b>Language Proficiency FEP</b>	1528	2573	3480	4402	4836	5303	5077	4798
<b>Not Migrant Or Immigrant</b>	60528	61508	60899	59581	58626	57304	58042	55689
<b>Migrant</b>	222	202	251	210	228	182	192	169
<b>Immigrant</b>	690	582	521	528	511	503	606	574
<b>Migrant and Immigrant</b>	34	23	34	29	21	18	24	13

**Table 19. Tested Population Demographic Distribution – Writing**

Subgroup	Grade							
	3	4	5	6	7	8	9	10
<b>No Disability</b>	56136	56352	55709	54531	53904	52908	54077	52039
<b>Disability</b>	5517	5952	5996	5826	5509	5102	4850	4419
<b>No IEP</b>	56127	56342	55698	54525	53895	52896	54062	52033
<b>IEP</b>	5520	5950	5992	5822	5503	5101	4852	4417
<b>No Accommodation</b>	50721	49711	50168	51235	51888	51425	54852	53221
<b>Accommodation</b>	10894	12505	11456	9051	7487	6532	4013	3166
<b>Am. Indian/Alaska Native</b>	485	549	518	524	521	511	495	530
<b>Asian</b>	2074	1971	1902	1806	1823	1793	1808	1811
<b>Black</b>	2895	2916	2977	3038	2980	2766	2986	2848
<b>Hispanic</b>	19523	20249	20057	19248	18503	17442	17517	15887
<b>White</b>	34656	34539	34285	33861	33774	33772	34378	33789
<b>Hawaiian/Pacific Islander</b>	115	117	143	137	130	131	127	133
<b>Two or More Races</b>	1905	1961	1822	1743	1683	1598	1613	1453
<b>Not Free Lunch Eligible</b>	34788	34780	34755	34859	35139	35549	37677	37896
<b>Free Lunch Eligible</b>	22381	22828	22290	20940	19813	18276	17281	15028
<b>Reduced Lunch Eligible</b>	4467	4680	4641	4541	4436	4163	3926	3505
<b>Female</b>	30127	30670	30133	29567	29193	28412	28892	27565
<b>Male</b>	31526	31636	31571	30789	30219	29598	30034	28892
<b>Language Proficiency NA</b>	50376	50293	50145	49769	49204	48438	49716	48120
<b>Language Proficiency NEP</b>	2116	1909	1293	897	723	635	842	761
<b>Language Proficiency LEP</b>	7631	7527	6791	5290	4651	3633	3279	2780
<b>Language Proficiency FEP</b>	1528	2573	3474	4401	4834	5304	5086	4796
<b>Not Migrant Or Immigrant</b>	60697	61486	60881	59578	58639	57293	58086	55688
<b>Migrant</b>	222	201	251	210	228	182	193	168
<b>Immigrant</b>	693	582	521	529	509	504	606	575
<b>Migrant and Immigrant</b>	34	23	34	30	22	18	24	13

**Table 20. Tested Population Demographic Distribution – Mathematics**

Subgroup	Grade							
	3	4	5	6	7	8	9	10
<b>No Disability</b>	57245	56531	55785	54582	53947	52951	54167	52196
<b>Disability</b>	5622	5978	6018	5832	5528	5109	4850	4437
<b>No IEP</b>	57241	56518	55773	54572	53941	52938	54153	52191
<b>IEP</b>	5620	5978	6015	5830	5523	5109	4853	4437
<b>No Accommodation</b>	51587	51455	51632	52316	52684	51554	55041	53502
<b>Accommodation</b>	11234	11030	10128	8052	6760	6472	3944	3107
<b>Am. Indian/Alaska Native</b>	487	547	519	523	524	508	494	532
<b>Asian</b>	2074	1978	1909	1812	1831	1795	1812	1816
<b>Black</b>	2887	2924	2982	3043	2986	2764	3002	2857
<b>Hispanic</b>	20737	20388	20089	19272	18524	17484	17550	15937
<b>White</b>	34663	34585	34337	33884	33797	33776	34412	33897
<b>Hawaiian/Pacific Islander</b>	116	118	142	136	128	131	127	133
<b>Two or More Races</b>	1902	1965	1820	1744	1687	1604	1615	1458
<b>Not Free Lunch Eligible</b>	34846	34837	34803	34877	35174	35546	37718	37990
<b>Free Lunch Eligible</b>	23452	22965	22334	20976	19835	18321	17326	15090
<b>Reduced Lunch Eligible</b>	4550	4688	4644	4541	4443	4170	3929	3529
<b>Female</b>	30746	30763	30174	29596	29204	28435	28921	27629
<b>Male</b>	32118	31745	31626	30818	30268	29625	30094	29004
<b>Language Proficiency NA</b>	50368	50351	50214	49801	49238	48451	49794	48271
<b>Language Proficiency NEP</b>	2751	2036	1314	907	742	649	858	771
<b>Language Proficiency LEP</b>	8211	7551	6796	5304	4657	3650	3278	2783
<b>Language Proficiency FEP</b>	1536	2569	3476	4402	4837	5310	5081	4808
<b>Not Migrant Or Immigrant</b>	61806	61635	60970	59628	58694	57341	58168	55859
<b>Migrant</b>	237	205	248	211	230	181	197	169
<b>Immigrant</b>	778	628	531	533	519	507	611	579
<b>Migrant and Immigrant</b>	39	27	34	30	21	18	24	14



**Table 21. Tested Population Demographic Distribution – Science**

<b>Subgroup</b>	<b>Grade</b>		
	<b>5</b>	<b>8</b>	<b>10</b>
<b>No Disability</b>	55773	52870	52119
<b>Disability</b>	6009	5084	4453
<b>No IEP</b>	55759	52858	52111
<b>IEP</b>	6010	5084	4453
<b>No Accommodation</b>	52693	52663	53584
<b>Accommodation</b>	9050	5262	2960
<b>Am. Indian/Alaska Native</b>	520	504	532
<b>Asian</b>	1905	1794	1811
<b>Black</b>	2987	2765	2854
<b>Hispanic</b>	20089	17423	15915
<b>White</b>	34316	33743	33863
<b>Hawaiian/Pacific Islander</b>	143	131	133
<b>Two or More Races</b>	1822	1597	1460
<b>Not Free Lunch Eligible</b>	34798	35516	37953
<b>Free Lunch Eligible</b>	22320	18255	15072
<b>Reduced Lunch Eligible</b>	4644	4161	3518
<b>Female</b>	30172	28386	27593
<b>Male</b>	31610	29566	28977
<b>Language Proficiency NA</b>	50190	48376	48211
<b>Language Proficiency NEP</b>	1310	643	768
<b>Language Proficiency LEP</b>	6798	3639	2783
<b>Language Proficiency FEP</b>	3481	5296	4809
<b>Not Migrant Or Immigrant</b>	60960	57237	55801
<b>Migrant</b>	248	181	171
<b>Immigrant</b>	523	505	575
<b>Migrant and Immigrant</b>	34	19	13

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

<b>Subgroup</b>	<b>Reading Grade</b>		<b>Writing Grade</b>	
	<b>3</b>	<b>4</b>	<b>3</b>	<b>4</b>
<b>No Disability</b>	1100	123	1133	120
<b>Disability</b>	92	2	89	2
<b>No IEP</b>	1100	123	1133	120
<b>IEP</b>	92	2	89	2
<b>No Accommodation</b>	911	75	892	72
<b>Accommodation</b>	280	50	329	50
<b>Am. Indian/Alaska Native</b>	2	.	2	.
<b>Asian</b>	.	.	.	.
<b>Black</b>	.	.	.	.
<b>Hispanic</b>	1179	122	1208	119
<b>White</b>	11	3	12	3
<b>Hawaiian/Pacific Islander</b>	.	.	.	.
<b>Two or More Races</b>	.	.	.	.
<b>Not Free Lunch Eligible</b>	71	17	76	17
<b>Free Lunch Eligible</b>	1040	103	1064	100
<b>Reduced Lunch Eligible</b>	81	4	82	4
<b>Female</b>	618	65	633	65
<b>Male</b>	574	60	589	57
<b>Language Proficiency NA</b>	6	1	7	1
<b>Language Proficiency NEP</b>	623	110	629	108
<b>Language Proficiency LEP</b>	554	14	577	13
<b>Language Proficiency FEP</b>	9	.	9	.
<b>Not Migrant Or Immigrant</b>	1091	78	1122	77
<b>Migrant</b>	14	4	14	4
<b>Immigrant</b>	82	39	81	37
<b>Migrant and Immigrant</b>	5	4	5	4

**Table 23. Multiple-Choice Item Analyses, Grade 3 Reading**Mean Item-Total Corr.: 0.42 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
1	1	1	1/4	0.42	0.11	0.54	21	2	1	1/4	0.30	0.40	0.59
2	1	1	1/4	0.34	0.11	0.44	22	2	1	1/4	0.51	0.10	0.76
3	1	1	3	0.44	0.11	0.64	24	2	1	3	0.50	1.91	0.74
5	1	1	1/4	0.52	0.21	0.74	25	2	1	2	0.35	0.17	0.52
6	1	1	3	0.47	0.37	0.70	26	2	1	3	0.50	0.16	0.66
7	1	1	2	0.31	0.10	0.75	28	2	1	2	0.39	0.23	0.69
8	1	1	2	0.42	0.24	0.40	29	2	1	2	0.51	0.73	0.71
9	1	1	2	0.38	0.16	0.65	30	2	1	2	0.44	0.79	0.79
10	1	1	2	0.48	0.60	0.64	32	2	1	1/4	0.50	1.97	0.66
11	1	1	1/4	0.31	0.20	0.42	33	2	1	3	0.47	0.42	0.76
12	1	1	1/4	0.33	0.23	0.78	34	2	1	3	0.43	0.78	0.84
14	1	1	1/4	0.46	0.38	0.85	35	2	1	2	0.45	1.12	0.70
15	1	1	1/4	0.40	0.45	0.43	36	2	1	2	0.32	1.28	0.64
17	1	1	3	0.47	0.74	0.77	38	2	1	2	0.36	2.29	0.40
18	1	1	3	0.47	0.85	0.89	39	2	1	3	0.47	2.80	0.85
19	2	1	1/4	0.40	0.05	0.79	40	2	1	3	0.32	3.20	0.64

**Table 24. Constructed-Response Item Analyses, Grade 3 Reading**Mean Item-Total Corr.: 0.54 Mean *p*-Value: 0.43

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	1	1/4	0.57	25.64	58.67	14.37			1.32	0.44
13		1	1	1/4	0.53	21.32	37.43	32.41	7.31		1.53	0.41
16		1	1	1/4	0.46	16.79	24.23	57.26			1.72	0.69
20		2	1	1/4	0.49	21.59	49.18	24.52	3.90		0.81	0.37
23		2	1	1/4	0.48	33.41	40.21	20.42	4.90		1.06	0.32
27		2	1	2	0.60	37.52	51.88	8.89			1.71	0.35
31		2	1	1/4	0.65	29.61	24.16	28.80	15.81		1.62	0.43
37		2	1	2	0.56	25.63	52.77	18.86			2.73	0.45

**Table 25. Multiple-Choice Item Analyses, Grade 3 Reading (Spanish)**Mean Item-Total Corr.: 0.39 Mean *p*-Value: 0.60

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	0.34	0.17	0.28	21	2	1	1/4	0.37	0.34	0.94
4	1	1	2	0.31	0.00	0.67	22	2	1	1/4	0.43	0.00	0.68
5	1	1	3	0.38	0.25	0.38	23	2	1	1/4	0.49	0.17	0.84
6	1	1	3	0.31	0.50	0.25	24	2	1	3	0.48	0.25	0.82
7	1	1	1/4	0.29	0.08	0.27	27	2	1	2	0.32	0.34	0.89
9	1	1	3	0.32	0.42	0.49	28	2	1	3	0.51	0.00	0.72
10	1	1	3	0.33	0.50	0.59	29	2	1	3	0.38	0.08	0.74
11	1	1	1/4	0.45	0.25	0.68	30	2	1	2	0.38	0.08	0.52
12	1	1	1/4	0.35	0.25	0.52	31	2	1	2	0.44	0.50	0.60
13	1	1	1/4	0.34	0.59	0.32	33	2	1	2	0.37	0.25	0.62
14	1	1	1/4	0.09	0.84	0.38	34	2	1	2	0.28	0.42	0.48
15	1	1	3	0.48	1.17	0.77	35	2	1	3	0.17	0.84	0.37
16	1	1	1/4	0.43	0.76	0.85	37	2	1	1/4	0.59	0.92	0.74
18	1	1	1/4	0.45	7.30	0.74	38	2	1	3	0.48	1.26	0.61
19	1	1	1/4	0.49	2.43	0.77	39	2	1	1/4	0.44	1.34	0.59
20	1	1	3	0.46	2.35	0.66	40	2	1	3	0.43	1.09	0.57

**Table 26. Constructed-Response Item Analyses, Grade 3 Reading (Spanish)**Mean Item-Total Corr.: 0.59 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	0.56	29.11	9.73	24.24	36.74		0.17	0.56
2		1	1	2	0.67	29.87	6.63	11.49	51.17		0.84	0.61
8		1	1	1/4	0.61	26.34	35.91	37.42			0.34	0.55
17		1	1	1/4	0.61	14.26	21.22	22.82	39.43		2.27	0.62
25		2	1	1/4	0.56	12.92	27.68	59.14			0.25	0.73
26		2	1	1/4	0.50	48.74	23.99	26.51			0.76	0.39
32		2	1	2	0.56	25.92	34.06	31.80	7.30		0.92	0.40
36		2	1	1/4	0.66	23.99	29.95	44.97			1.09	0.60

**Table 27. Multiple-Choice Item Analyses, Grade 3 Writing**Mean Item-Total Corr.: 0.45 Mean *p*-Value: 0.79

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		0.45	0.07	0.87	21	2	3	7	0.45	0.02	0.93
3	1	3	7	0.40	0.06	0.96	22	2	3	7	0.42	0.05	0.92
4	1	3	7	0.50	0.09	0.90	23	2	3	7	0.38	0.08	0.89
5	1	3	7	0.50	0.24	0.89	24	2	3	7	0.50	0.09	0.65
6	1	3	8	0.43	0.07	0.92	25	2	3	8	0.41	0.24	0.74
7	1	3	7	0.49	0.17	0.84	26	2	2	5	0.43	0.29	0.89
8	1	3	7	0.42	0.28	0.88	28	2	3	8	0.47	0.08	0.92
9	1	3	7	0.47	0.38	0.85	29	2	3	8	0.51	0.16	0.81
11	1	2	5	0.31	0.22	0.42	30	2	3	8	0.39	0.30	0.93
12	1	2		0.42	6.11	0.79	31	2	2	5	0.31	0.13	0.56
13	1	3	7	0.36	0.48	0.39	32	2	3	8	0.49	0.42	0.68
14	1	2		0.42	0.37	0.79	33	2	3	8	0.55	0.12	0.81
15	1	2		0.40	2.62	0.79	34	2	3	8	0.46	0.18	0.92
16	1	2		0.50	0.87	0.65	35	2	3	8	0.55	0.21	0.82
17	1	2	5	0.48	0.18	0.66	36	2	3	8	0.45	0.15	0.74
18	1	2	5	0.46	0.21	0.79	37	2	3	8	0.55	0.36	0.83
19	1	2	5	0.40	0.27	0.78	38	2	3	7	0.41	0.59	0.68
20	1	2	5	0.48	0.31	0.88							

**Table 28. Constructed-Response Item Analyses, Grade 3 Writing**Mean Item-Total Corr.: 0.49 Mean *p*-Value: 0.79

Item #	Part	Session	CS	SA	Item-Total	% Score	% Score	% Score	% Score	% Score	Omit %	<i>p</i> -Value
					Corr.	0	1	2	3	4		
1	A	1	3	8	0.50	16.47	83.47				0.06	0.83
1	B	1	3	7	0.62	23.40	76.54				0.06	0.77
1	C	1	3	7	0.54	20.89	79.05				0.06	0.79
1	D	1	3	8	0.52	34.44	65.51				0.06	0.66
1	E	1	3	8	0.47	25.10	74.84				0.06	0.75
1	F	1	3	7	0.59	26.64	73.31				0.06	0.73
10	A	1	2	5	0.42	1.33	68.42	29.76			0.49	0.64
10	B	1	2	5	0.34	2.36	97.14				0.49	0.97
10	C	1	2	5	0.56	26.16	73.34				0.49	0.73
10	D	1	3	5	0.53	12.81	86.70				0.49	0.87
27	A	2	2	5	0.45	1.40	60.80	37.41			0.39	0.68
27	B	2	2	5	0.39	2.73	96.87				0.40	0.97
27	C	2	2	5	0.57	23.23	76.38				0.39	0.76
27	D	2	3	5	0.54	14.82	84.78				0.39	0.85
39	A	2	2	5	0.45	1.16	63.98	34.43			0.43	0.66
39	B	2	2	5	0.35	2.17	97.40				0.43	0.97
39	C	2	2	5	0.56	24.37	75.19				0.43	0.75
39	D	2	3	5	0.49	10.08	89.49				0.43	0.89



**Table 29. Multiple-Choice Item Analyses, Grade 3 Writing (Spanish)**Mean Item-Total Corr.: 0.41 Mean *p*-Value: 0.73

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	0.42	0.08	0.86	21	2	3	8	0.35	0.08	0.76
2	1	3	7	0.44	0.08	0.86	22	2	3	8	0.47	0.08	0.63
3	1	3	7	0.44	0.25	0.90	23	2	3	8	0.47	0.41	0.77
5	1	3	7	0.42	0.00	0.64	24	2	3	8	0.35	0.00	0.73
6	1	3	7	0.36	0.16	0.83	25	2	3	8	0.47	0.00	0.79
7	1	3	7	0.38	0.57	0.77	26	2	3	8	0.39	0.08	0.44
8	1	3	7	0.43	1.23	0.56	28	2	3	7	0.46	0.25	0.70
9	1	3	7	0.45	1.55	0.55	29	2	3	7	0.45	0.33	0.90
10	1	3	7	0.35	0.00	0.95	30	2	3	7	0.45	0.98	0.86
11	1	3	7	0.42	0.08	0.84	31	2	3	7	0.51	0.82	0.75
12	1	3	7	0.44	0.33	0.92	32	2	3	7	0.45	1.06	0.61
13	1	2		0.39	0.25	0.77	33	2	2		0.42	1.39	0.70
14	1	2		0.42	0.25	0.79	34	2	2		0.43	0.25	0.92
15	1	2	7	0.46	0.57	0.79	35	2	2		0.44	0.57	0.93
17	1	2		0.45	1.06	0.77	36	2	2		0.47	0.57	0.69
18	1	2		0.20	1.06	0.24	37	2	2		0.36	0.33	0.53
19	1	2		0.23	1.23	0.27	38	2	2		0.32	0.65	0.78
20	2	3	8	0.49	0.00	0.73							

**Table 30. Constructed-Response Item Analyses, Grade 3 Writing (Spanish)**Mean Item-Total Corr.: 0.51 Mean *p*-Value: 0.70

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	0.47	17.76	80.85				1.39	0.81
4	B	1	3	7	0.37	76.19	22.42				1.39	0.22
4	C	1	3	8	0.56	34.29	64.32				1.39	0.64
4	D	1	3	8	0.49	38.71	59.90				1.39	0.60
4	E	1	3	7	0.47	44.93	53.68				1.39	0.54
4	F	1	3	7	0.40	18.66	79.95				1.39	0.80
16	A	1	2	5	0.51	5.56	52.78	41.00			0.65	0.67
16	B	1	2	5	0.49	9.33	90.02				0.65	0.90
16	C	1	2	5	0.50	23.90	75.53				0.57	0.76
16	D	1	3	5	0.52	8.35	91.08				0.57	0.91
27	A	2	2	5	0.60	15.63	44.19	39.53			0.65	0.62
27	B	2	2	5	0.61	25.70	73.65				0.65	0.74
27	C	2	2	5	0.63	28.97	70.38				0.65	0.70
27	D	2	3	5	0.58	16.45	82.90				0.65	0.83
39	A	2	2	5	0.48	11.78	72.18	15.14			0.90	0.51
39	B	2	2	5	0.54	23.24	75.94				0.82	0.76
39	C	2	2	5	0.54	34.86	64.32				0.82	0.64
39	D	2	3	5	0.49	13.42	85.76				0.82	0.86

**Table 31. Multiple-Choice Item Analyses, Grade 3 Mathematics**Mean Item-Total Corr.: 0.43 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		0.38	5.80	0.86	21	2	4/5		0.37	0.31	0.87
2	1	1		0.00	0.16	0.14	22	2	1		0.52	0.23	0.68
3	1	4/5		0.36	0.12	0.29	24	2	6		0.28	0.49	0.91
4	1	1		0.35	0.17	0.72	25	2	2/3		0.35	0.32	0.62
5	1	4/5		0.41	0.12	0.51	26	2	4/5		0.37	0.24	0.85
7	1	6		0.40	0.15	0.90	27	2	1		0.51	0.25	0.63
8	1	2/3		0.29	0.10	0.88	28	2	6		0.44	1.14	0.76
9	1	2/3		0.50	0.17	0.76	29	2	4/5		0.38	0.48	0.68
11	1	2/3		0.52	0.13	0.56	31	2	4/5		0.58	0.12	0.53
12	1	4/5		0.38	0.13	0.79	32	2	2/3		0.57	0.83	0.65
13	1	6		0.47	0.26	0.75	33	2	4/5		0.57	0.16	0.62
14	1	4/5		0.39	0.67	0.65	34	2	2/3		0.59	0.22	0.72
16	1	2/3		0.49	0.47	0.85	35	2	6		0.45	1.43	0.61
17	1	2/3		0.53	0.30	0.74	36	2	2/3		0.52	0.27	0.35
18	1	1		0.50	0.30	0.63	38	2	4/5		0.59	0.45	0.63
19	1	1		0.40	0.83	0.86	39	2	4/5		0.24	0.11	0.88

**Table 32. Constructed-Response Item Analyses, Grade 3 Mathematics**Mean Item-Total Corr.: 0.62 Mean *p*-Value: 0.59

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		0.62	24.71	62.31	12.82			0.15	0.44
10		1	1		0.64	31.16	29.49	39.05			0.30	0.54
15		1	2/3		0.52	12.37	36.55	50.88			0.20	0.69
20		1	4/5		0.67	14.75	40.65	20.92	23.54		0.14	0.51
23		2	4/5		0.55	7.49	30.54	61.90			0.07	0.77
30		2	2/3		0.66	21.37	19.59	58.67			0.37	0.68
37		2	1		0.64	42.40	30.29	21.88			5.44	0.37
40		2	6		0.67	3.03	21.41	32.38	43.13		0.04	0.72

**Table 33. Multiple-Choice Item Analyses, Grade 4 Reading**Mean Item-Total Corr.: 0.43 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
4	3	6	1/4	0.30	1.98	0.93	38	4	1	1/4	0.50	0.34	0.66
6	3	6	3	0.51	0.15	0.52	40	4	4	2	0.44	0.22	0.55
7	3	6	1/4	0.49	0.27	0.72	42	4	6	2	0.53	0.96	0.74
8	3	1	3	0.25	0.35	0.92	44	4	1	2	0.54	0.35	0.85
9	3	1	3	0.36	0.10	0.55	45	4	4	2	0.48	0.74	0.69
10	3	5		0.36	0.14	0.82	46	4	1	1/4	0.51	0.52	0.72
11	3	4	2	0.39	0.13	0.60	47	4	6	1/4	0.36	0.61	0.56
12	3	5		0.53	0.15	0.62	48	4	6	1/4	0.46	0.69	0.72
13	3	1	3	0.50	0.24	0.86	49	4	1	1/4	0.36	0.84	0.53
14	3	5		0.36	0.09	0.88	51	4	4	1/4	0.36	1.26	0.74
15	3	5		0.37	0.21	0.56	94	6	4	2	0.52	0.08	0.69
16	3	6	1/4	0.36	0.09	0.39	95	6	4	2	0.42	0.22	0.80
17	3	6	1/4	0.18	0.22	0.15	96	6	4	2	0.43	0.28	0.90
19	3	1	3	0.43	0.37	0.45	97	6	5		0.48	0.17	0.83
21	3	1	2	0.43	0.74	0.79	98	6	5		0.44	0.66	0.55
22	3	1	2	0.31	0.76	0.68	99	6	1	3	0.45	0.15	0.90
24	3	1	2	0.46	0.95	0.53	100	6	5		0.52	0.34	0.73
25	3	1	3	0.46	1.15	0.91	102	6	6	1/4	0.25	0.12	0.77
26	3	1	3	0.41	1.23	0.82	103	6	6	1/4	0.46	0.25	0.76
27	3	5		0.44	1.67	0.65	104	6	6	1/4	0.53	0.27	0.72
28	3	5		0.53	1.78	0.64	105	6	4	1/4	0.55	0.40	0.76
29	4	1	1/4	0.37	0.02	0.85	106	6	6	1/4	0.54	0.46	0.87
31	4	1	1/4	0.28	0.16	0.64	107	6	1	3	0.31	0.55	0.42
32	4	1	1/4	0.48	0.14	0.85	110	6	5		0.30	0.56	0.55
34	4	1	3	0.48	1.14	0.76	111	6	1	2	0.41	0.45	0.65
35	4	4	1/4	0.56	0.06	0.84	112	6	4	2	0.46	0.60	0.60
36	4	4	1/4	0.44	0.15	0.80	113	6	1	3	0.50	0.58	0.78
37	4	1	1/4	0.54	0.17	0.79	115	6	5		0.37	0.82	0.43

**Table 34. Constructed-Response Item Analyses, Grade 4 Reading**Mean Item-Total Corr.: 0.53 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		3	4	1/4	0.59	21.62	34.69	43.30			0.40	0.61
18		3	5		0.60	28.67	20.69	24.74	22.55		3.35	0.46
20		3	1	1/4	0.57	19.47	38.92	34.61	5.25		1.74	0.41
23		3	1	2	0.52	17.46	47.09	33.53			1.92	0.57
30		4	1	1/4	0.48	18.28	38.18	37.19	5.72		0.63	0.43
33		4	1	1/4	0.47	25.20	39.87	23.64	10.34		0.95	0.39
39		4	6	1/4	0.46	27.82	44.94	24.22	2.03		1.00	0.33
41		4	4	2	0.51	42.29	46.50	10.24			0.98	0.33
43		4	4	2	0.56	12.22	32.69	30.98	22.66		1.45	0.54
50		4	1	1/4	0.50	50.32	40.99	6.34			2.35	0.27
101		6	5		0.46	9.34	14.25	75.82			0.59	0.83
108		6	5		0.59	21.25	20.56	55.38			2.81	0.66
109		6	6	1/4	0.56	21.01	45.87	28.55	2.65		1.92	0.37
114		6	1	2	0.58	22.49	22.47	53.24			1.80	0.64

**Table 35. Multiple-Choice Item Analyses, Grade 4 Reading (Spanish)**Mean Item-Total Corr.: 0.31 Mean *p*-Value: 0.64

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	0.40	1.60	0.56	39	4	5		0.33	3.20	0.69
5	3	5		0.29	1.60	0.51	40	4	1	1/4	0.41	0.80	0.79
6	3	6	2	0.27	0.80	0.74	41	4	1	1/4	0.33	0.80	0.56
7	3	5		0.32	0.00	0.42	43	4	1	1/4	0.25	2.40	0.52
8	3	6	2	0.19	0.80	0.33	46	4	1	3	0.48	2.40	0.84
9	3	4	2	0.31	0.00	0.64	47	4	6	3	0.19	2.40	0.38
10	3	4	2	0.35	0.80	0.62	48	4	5		0.22	2.40	0.29
11	3	1	3	0.20	0.00	0.71	91	6	1	2	0.25	0.00	0.90
12	3	6	2	0.06	0.00	0.42	92	6	1	3	0.34	0.00	0.71
15	3	4	1/4	0.33	0.80	0.67	93	6	1	3	0.38	0.00	0.60
16	3	1	1/4	0.43	0.80	0.70	94	6	1	2	0.22	0.00	0.79
17	3	4	1/4	0.19	0.80	0.82	95	6	1	2	0.29	0.00	0.83
18	3	1	1/4	0.43	0.80	0.78	96	6	1	2	0.31	0.00	0.71
19	3	6	1/4	0.07	1.60	0.95	99	6	6	1/4	0.31	0.80	0.65
20	3	1	1/4	0.12	1.60	0.57	101	6	4	1/4	0.43	0.00	0.62
21	3	1	1/4	0.48	0.00	0.65	102	6	4	1/4	0.53	0.80	0.33
22	3	1	1/4	0.39	0.80	0.57	103	6	1	3	0.40	0.00	0.90
23	3	6	1/4	0.28	0.00	0.58	104	6	1	3	0.30	1.60	0.71
24	3	6	1/4	0.20	0.80	0.70	105	6	5		0.24	2.40	0.58
26	4	1	2	0.07	0.00	0.56	106	6	5		0.14	0.00	0.33
27	4	1	3	0.27	0.00	0.85	107	6	5		0.39	0.80	0.43
28	4	4	2	0.19	0.00	0.74	109	6	1	2	0.20	0.00	0.78
30	4	4	2	0.17	0.00	0.44	110	6	1	2	0.44	0.00	0.53
32	4	4	2	0.47	1.60	0.48	111	6	4	2	0.36	0.00	0.71
35	4	4	1/4	0.45	2.40	0.83	112	6	1	3	0.38	0.00	0.62
36	4	1	1/4	0.54	0.00	0.61	113	6	1	3	0.16	0.00	0.78
37	4	1	3	0.52	0.80	0.81	114	6	5		0.37	0.80	0.73
38	4	5		0.28	1.60	0.52	115	6	5		0.43	0.00	0.60

**Table 36. Constructed-Response Item Analyses, Grade 4 Reading (Spanish)**Mean Item-Total Corr.: 0.48 Mean *p*-Value: 0.42

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	0.52	20.00	31.20	37.60	10.40		0.80	0.46
14		3	5		0.28	56.80	36.00	4.80			2.40	0.23
29		4	5		0.68	9.60	17.60	18.40	54.40		0.00	0.73
31		4	4	2	0.37	31.20	50.40	16.00			2.40	0.41
33		4	6	1/4	0.50	28.80	42.40	20.00	8.80		0.00	0.36
34		4	1	1/4	0.57	37.60	36.00	12.80	12.00		1.60	0.33
42		4	1	1/4	0.56	53.60	28.00	14.40			4.00	0.28
44		4	6	1/4	0.50	21.60	37.60	36.80			4.00	0.56
45		4	4	1/4	0.53	47.20	37.60	8.00	4.00		3.20	0.22
97		6	4	1/4	0.30	58.40	32.00	8.00			1.60	0.24
98		6	6	1/4	0.64	31.20	27.20	18.40	20.80		2.40	0.42
100		6	6	1/4	0.40	44.80	36.00	17.60			1.60	0.36
108		6	1	2	0.52	15.20	24.80	60.00			0.00	0.72
116		6	5		0.35	16.80	6.40	68.80	5.60		2.40	0.54



**Table 37. Multiple-Choice Item Analyses, Grade 4 Writing**Mean Item-Total Corr.: 0.40 Mean *p*-Value: 0.77

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	0.44	0.03	0.89	73	5	3	7	0.46	0.56	0.62
53	5	3	7	0.43	0.07	0.90	74	5	2	5	0.31	0.40	0.50
54	5	2		0.40	0.23	0.90	75	5	3	8	0.39	1.04	0.60
55	5	3	7	0.39	0.37	0.90	76	5	2		0.40	3.02	0.86
56	5	3	7	0.28	0.31	0.94	77	5	2		0.46	0.52	0.79
57	5	2		0.32	0.25	0.89	78	5	3	7	0.49	0.65	0.84
58	5	3	7	0.38	0.45	0.51	79	5	3	7	0.49	0.87	0.83
59	5	3	7	0.31	0.52	0.91	80	5	3	7	0.52	1.06	0.79
60	5	3	7	0.36	0.77	0.87	81	5	3	7	0.25	1.25	0.40
61	5	3	7	0.43	0.41	0.94	82	5	3	7	0.37	1.08	0.87
62	5	3	7	0.43	0.89	0.91	83	5	2	5	0.51	0.85	0.71
63	5	3	7	0.43	0.36	0.91	84	5	3	7	0.24	1.13	0.62
64	5	2	5	0.35	0.24	0.50	85	5	3	8	0.54	0.81	0.85
65	5	2	5	0.38	0.26	0.77	86	5	3	8	0.44	1.16	0.57
66	5	2		0.38	0.65	0.89	87	5	3	8	0.46	1.20	0.76
67	5	2		0.49	0.29	0.78	88	5	3	7	0.48	1.45	0.85
68	5	2	5	0.35	0.21	0.80	89	5	2	5	0.30	1.12	0.38
70	5	3	7	0.28	0.40	0.93	90	5	2	5	0.46	1.31	0.71
71	5	3	7	0.43	0.40	0.84	91	5	2	5	0.29	1.39	0.55
72	5	3	7	0.44	0.59	0.92	92	5	2	5	0.48	1.60	0.74

**Table 38. Constructed-Response Item Analyses, Grade 4 Writing**Mean Item-Total Corr.: 0.46 Mean *p*-Value: 0.76

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	0.14	1.75	98.25				0.00	0.98
2	A	2	3	8	0.14	6.57	93.20				0.22	0.93
2	B	2	3	7	0.39	34.43	65.34				0.22	0.65
2	C	2	3	8	0.45	20.40	79.39				0.22	0.79
2	D	2	3	8	0.46	22.42	77.36				0.22	0.77
2	E	2	3	7	0.37	5.81	93.98				0.22	0.94
2	F	2	3	7	0.45	9.73	90.06				0.22	0.90
3	A	2	2	6	0.62	1.25	5.92	54.82	30.80	7.07	0.13	0.59
3	B	2	2	6	0.66	1.07	10.95	54.65	25.89	7.30	0.13	0.57
3	C	2	3	6	0.58	1.72	14.80	83.35			0.13	0.91
69		5	2	5	0.55	0.62	5.35	39.73	47.15	6.10	1.03	0.63
93		5	2	5	0.56	0.85	9.67	43.69	38.28	4.16	3.36	0.57
116		5	2	5	0.55	0.59	5.68	51.57	37.58	3.48	1.09	0.59

**Table 39. Multiple-Choice Item Analyses, Grade 4 Writing (Spanish)**Mean Item-Total Corr.: 0.30 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
49	5	3	7	0.36	0.00	0.85	70	5	3	7	0.44	0.82	0.43
50	5	3	7	0.27	0.00	0.83	71	5	3	7	0.28	4.10	0.54
51	5	2		0.51	0.00	0.77	72	5	3	8	0.20	0.82	0.52
52	5	2		0.18	0.82	0.49	73	5	3	8	0.27	0.00	0.35
53	5	2		0.28	0.00	0.98	74	5	3	8	0.35	2.46	0.71
54	5	3	7	0.23	0.00	0.70	75	5	3	8	0.24	0.82	0.38
55	5	2		0.27	0.00	0.88	76	5	3	7	0.25	1.64	0.45
56	5	3	7	0.19	2.46	0.86	77	5	3	7	0.22	0.82	0.34
57	5	2	5	0.19	0.00	0.42	78	5	3	7	0.19	3.28	0.23
58	5	2	5	0.35	0.00	0.59	79	5	3	8	0.00	0.82	0.55
59	5	2	5	0.39	0.00	0.50	80	5	3	8	0.38	0.82	0.44
60	5	2	5	0.36	0.00	0.61	81	5	3	8	0.40	0.00	0.48
61	5	2	5	0.18	0.00	0.54	82	5	3	8	0.40	0.00	0.42
62	5	2	5	0.23	0.82	0.29	83	5	3	8	0.25	0.82	0.53
64	5	3	7	0.35	0.00	0.35	84	5	3	8	0.49	1.64	0.49
65	5	3	7	0.31	0.00	0.75	85	5	3	8	0.34	4.92	0.53
66	5	3	7	0.43	0.00	0.56	86	5	3	8	0.29	1.64	0.43
67	5	3	7	0.45	0.82	0.55	87	5	2		0.16	1.64	0.48
68	5	3	7	0.30	4.10	0.64	88	5	2		0.34	1.64	0.82
69	5	3	7	0.32	3.28	0.51	89	5	2		0.26	2.46	0.42

**Table 40. Constructed-Response Item Analyses, Grade 4 Writing (Spanish)**Mean Item-Total Corr.: 0.41 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		
1		1	2	6	-0.09	9.02	90.98				0.00	0.91
2	A	2	3	7	0.40	15.57	81.15				3.28	0.81
2	B	2	3	7	0.30	31.15	65.57				3.28	0.66
2	C	2	3	7	0.49	25.41	71.31				3.28	0.71
2	D	2	3	8	0.25	31.97	64.75				3.28	0.65
2	E	2	3	7	0.27	59.02	37.70				3.28	0.38
2	F	2	3	8	0.23	85.25	11.48				3.28	0.11
3	A	2	2	6	0.65	21.31	22.95	30.33	19.67	5.74	0.00	0.41
3	B	2	2	6	0.67	21.31	22.95	34.43	18.03	3.28	0.00	0.40
3	C	2	3	6	0.55	4.10	38.52	57.38			0.00	0.77
25		5	2	5	0.44	18.03	38.52	25.41	9.84	4.92	3.28	0.35
63		5	2	5	0.69	7.38	14.75	43.44	27.87	5.74	0.82	0.52
90		5	2	5	0.48	4.10	17.21	43.44	27.87	5.74	1.64	0.53

**Table 41. Multiple-Choice Item Analyses, Grade 4 Mathematics**Mean Item-Total Corr.: 0.44 Mean *p*-Value: 0.73

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	3	0.32	3.35	0.92	34	2	4/5		0.23	0.13	0.83
2	1	1		0.35	0.16	0.53	36	2	3		0.52	0.19	0.84
3	1	1	1	0.47	0.13	0.65	38	2	3		0.59	0.19	0.59
4	1	2	2	0.53	0.13	0.51	39	2	1	1	0.33	0.78	0.37
6	1	4/5		0.35	0.59	0.64	40	2	4/5		0.37	0.93	0.71
7	1	4/5	3	0.31	0.20	0.92	42	2	4/5		0.29	0.16	0.94
8	1	4/5		0.48	0.12	0.67	43	2	3		0.36	0.21	0.66
9	1	3		0.52	0.28	0.66	44	2	3		0.52	0.28	0.81
11	1	3		0.48	0.25	0.75	45	2	6		0.35	0.93	0.83
12	1	4/5		0.47	0.16	0.76	47	3	4/5	3	0.56	0.09	0.59
13	1	1		0.17	0.14	0.76	48	3	1	1	0.35	0.05	0.87
14	1	6		0.57	0.40	0.62	49	3	6		0.56	0.07	0.77
16	1	6		0.44	1.05	0.70	50	3	3		0.44	0.24	0.51
17	1	4/5	3	0.48	0.25	0.63	51	3	6		0.36	0.54	0.88
19	1	1		0.44	0.30	0.88	53	3	2		0.49	0.64	0.56
20	1	1		0.48	0.31	0.61	54	3	4/5		0.47	0.28	0.79
21	1	6		0.46	1.01	0.74	55	3	6	1	0.46	0.32	0.80
22	1	4/5	3	0.34	0.25	0.91	57	3	6		0.40	0.20	0.88
24	2	3		0.53	0.10	0.65	58	3	1	1	0.52	0.39	0.83
25	2	4/5	3	0.55	0.11	0.66	59	3	2	2	0.44	0.46	0.70
26	2	1	1	0.35	0.30	0.93	61	3	3		0.41	0.17	0.74
28	2	4/5		0.52	0.19	0.71	62	3	6		0.47	0.56	0.68
29	2	2	2	0.51	0.27	0.65	64	3	6	1	0.60	1.71	0.66
30	2	4/5	3	0.30	0.64	0.88	65	3	4/5		0.48	0.40	0.65
31	2	2		0.46	0.21	0.82	66	3	4/5		0.35	0.37	0.88
32	2	2		0.56	0.54	0.75	67	3	6		0.53	1.25	0.74
33	2	6		0.31	3.62	0.84	68	3	1	1	0.52	0.71	0.72

**Table 42. Constructed-Response Item Analyses, Grade 4 Mathematics**Mean Item-Total Corr.: 0.59 Mean *p*-Value: 0.64

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	3		0.56	42.35	23.13	34.36			0.16	0.46
10		1	1	1	0.45	1.62	5.42	18.82	74.10		0.04	0.88
15		1	1	1	0.64	22.75	33.87	42.25			1.13	0.59
18		1	3		0.59	6.57	18.66	33.02	41.59		0.16	0.70
23		1	6	1	0.68	6.77	35.89	23.07	20.34	13.70	0.23	0.49
27		2	2	2	0.44	9.35	30.41	60.09			0.15	0.75
35		2	1	1	0.64	35.87	30.01	27.23	6.66		0.22	0.35
37		2	1	1	0.66	12.14	13.67	73.36			0.83	0.80
41		2	4/5	3	0.54	6.16	10.41	11.59	71.76		0.08	0.83
46		2	2	2	0.65	12.58	9.71	13.13	6.60	57.46	0.53	0.71
52		3	4/5		0.40	13.12	64.59	22.04			0.25	0.54
56		3	6	1	0.63	12.85	20.31	30.00	36.30		0.54	0.63
60		3	2	2	0.63	17.02	15.15	67.64			0.18	0.75
63		3	4/5		0.61	21.73	27.36	22.11	28.68		0.13	0.53
69		3	4/5	3	0.68	10.11	15.12	23.38	26.78	24.40	0.21	0.60

**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
4	3	1	2	0.38	0.12	0.55	41	4	5		0.53	0.72	0.58
5	3	1	2	0.40	0.07	0.65	42	4	5		0.28	0.81	0.43
6	3	1	3	0.43	0.06	0.87	44	4	4	1/4	0.23	0.77	0.38
7	3	4	2	0.46	0.17	0.60	45	4	4	1/4	0.43	0.97	0.73
9	3	5		0.35	0.60	0.57	46	4	6	1/4	0.46	1.12	0.74
10	3	5		0.26	0.13	0.53	47	4	1	3	0.53	1.17	0.81
11	3	5		0.19	0.11	0.55	48	4	5		0.34	1.32	0.54
12	3	1	1/4	0.29	0.14	0.68	49	4	5		0.40	1.44	0.50
13	3	6	1/4	0.28	0.18	0.55	50	4	4	1/4	0.34	1.74	0.58
15	3	1	1/4	0.40	0.30	0.76	52	4	1	3	0.39	4.47	0.40
16	3	4	1/4	0.50	0.33	0.84	53	4	5		0.37	4.64	0.55
17	3	4	1/4	0.48	0.47	0.75	54	4	5		0.50	5.16	0.68
18	3	6	1/4	0.39	0.67	0.63	99	6	1	2	0.45	0.32	0.91
19	3	5		0.45	0.34	0.77	100	6	5		0.14	0.15	0.45
20	3	1	3	0.46	0.48	0.81	101	6	1	3	0.30	0.17	0.75
21	3	4	2	0.46	0.74	0.64	102	6	1	3	0.38	0.17	0.72
23	3	6	2	0.52	1.10	0.80	103	6	1	3	0.42	0.26	0.72
25	3	1	2	0.48	1.44	0.90	104	6	6	1/4	0.38	0.07	0.67
26	3	4	2	0.51	1.76	0.78	105	6	6	1/4	0.30	0.54	0.39
30	4	1	2	0.40	0.68	0.74	106	6	6	1/4	0.31	0.19	0.71
32	4	1	3	0.41	0.15	0.52	107	6	1	3	0.36	0.16	0.89
33	4	4	2	0.33	0.35	0.58	108	6	4	1/4	0.38	0.30	0.74
34	4	4	2	0.40	0.70	0.80	109	6	1	1/4	0.45	0.09	0.82
35	4	1	2	0.33	3.46	0.74	110	6	6	1/4	0.36	0.21	0.69
37	4	4	2	0.56	0.53	0.83	111	6	6	1/4	0.44	0.19	0.80
38	4	1	3	0.43	0.56	0.80	112	6	1	1/4	0.41	0.45	0.67
39	4	4	2	0.32	0.82	0.78	114	6	4	1/4	0.35	0.21	0.81
40	4	4	2	0.47	0.96	0.80	115	6	5		0.43	0.31	0.83

**Table 44. Constructed-Response Item Analyses, Grade 5 Reading**Mean 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		
8		3	6	2	0.61	30.62	34.96	23.09	9.21		2.11	0.36
14		3	6	1/4	0.53	30.66	48.96	19.24			1.14	0.44
22		3	4	2	0.52	30.69	51.11	16.75			1.44	0.42
24		3	4	2	0.53	8.20	27.69	31.55	30.13		2.43	0.60
27		3	5		0.59	22.02	26.62	24.17	24.18		3.01	0.49
28		4	1	2	0.60	24.46	27.93	47.18			0.42	0.61
29		4	5		0.62	38.32	11.40	49.48			0.80	0.55
31		4	5		0.48	30.51	7.59	26.90	33.56		1.44	0.54
36		4	6	2	0.63	27.92	34.80	24.45	10.93		1.90	0.39
43		4	6	1/4	0.32	36.76	44.79	5.25	7.57		5.63	0.26
51		4	1	1/4	0.64	26.82	14.80	17.40	35.37		5.61	0.52
97		6	1	2	0.67	26.43	8.16	64.20			1.21	0.68
98		6	1	2	0.57	17.25	29.32	52.70			0.73	0.67
113		6	1	1/4	0.45	30.67	59.64	8.85			0.85	0.39



**Table 45. Multiple-Choice Item Analyses, Grade 5 Writing**Mean Item-Total Corr.: 0.41 Mean *p*-Value: 0.76

Item #	Session	CS	SA	Item-Total Corr.	Omit %	<i>p</i> -Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	<i>p</i> -Value
55	5	3	7	0.14	0.08	0.54	76	5	3	7	0.28	0.47	0.91
56	5	3	7	0.41	0.12	0.87	77	5	3	8	0.43	0.49	0.83
57	5	2		0.37	0.31	0.52	78	5	3	8	0.52	0.78	0.81
58	5	2		0.41	0.15	0.94	79	5	3	8	0.43	1.31	0.70
59	5	2		0.43	0.20	0.87	80	5	3	8	0.43	0.32	0.90
60	5	3	8	0.37	0.27	0.79	81	5	3	8	0.39	0.68	0.65
61	5	3	8	0.45	0.45	0.92	82	5	2	7	0.51	0.39	0.71
62	5	2	7	0.43	0.21	0.86	83	5	2	7	0.52	0.37	0.78
63	5	3	7	0.39	0.56	0.87	84	5	2	7	0.44	0.61	0.68
64	5	3	7	0.48	0.52	0.86	85	5	3	7	0.47	0.41	0.89
66	5	3	7	0.44	0.11	0.70	86	5	3	7	0.48	0.67	0.72
67	5	3	7	0.43	0.41	0.81	87	5	2	5	0.50	0.70	0.78
68	5	3	7	0.43	0.58	0.86	88	5	3	7	0.28	0.88	0.86
69	5	3	7	0.47	0.52	0.76	89	5	2	5	0.40	0.47	0.64
70	5	3	8	0.44	0.34	0.89	90	5	2	5	0.29	0.51	0.56
71	5	2	5	0.45	0.27	0.78	91	5	2	5	0.32	0.57	0.51
72	5	2	5	0.33	0.29	0.54	92	5	3	7	0.29	0.67	0.46
73	5	3	7	0.41	1.52	0.85	93	5	3	7	0.43	1.18	0.83
74	5	2	5	0.32	0.29	0.47	94	5	3	7	0.52	1.19	0.83
75	5	2	5	0.45	0.28	0.75	95	5	3	7	0.50	1.45	0.87

**Table 46. Constructed-Response Item Analyses, Grade 5 Writing**Mean Item-Total Corr.: 0.47 Mean *p*-Value: 0.73

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	1.05	98.95				0.00	0.99
2	A	2	3	8	0.39	21.79	78.06				0.14	0.78
2	B	2	3	7	0.34	9.72	90.14				0.14	0.90
2	C	2	3	7	0.36	5.98	93.87				0.15	0.94
2	D	2	3	7	0.46	47.04	52.81				0.15	0.53
2	E	2	3	8	0.44	59.55	40.29				0.16	0.40
2	F	2	3	8	0.51	30.24	69.61				0.16	0.70
3	A	2	2	6	0.63	2.48	3.52	36.60	41.39	15.92	0.09	0.66
3	B	2	2	6	0.66	0.22	6.59	39.94	37.42	15.74	0.10	0.65
3	C	2	3	6	0.51	0.90	11.13	87.88			0.10	0.93
65		5	2	5	0.53	0.35	3.32	30.57	49.56	15.57	0.64	0.69
96		5	2	5	0.57	0.84	3.89	30.05	49.71	13.41	2.11	0.67
116		5	2	5	0.54	0.29	3.15	41.01	51.06	4.06	0.42	0.64

**Table 47. Multiple-Choice Item Analyses, Grade 5 Mathematics**Mean Item-Total Corr.: 0.42 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	1	1	0.30	0.38	0.87	36	2	1	1	0.38	0.21	0.79
2	1	1	1	0.38	0.13	0.40	37	2	4/5		0.44	0.12	0.53
4	1	1	1	0.55	1.12	0.55	38	2	6		0.53	0.18	0.73
5	1	4/5		0.41	0.07	0.88	39	2	1		0.35	0.21	0.95
6	1	1	1	0.52	0.16	0.85	40	2	4/5		0.51	0.15	0.73
8	1	2		0.32	0.32	0.37	42	2	4/5		0.36	0.44	0.64
9	1	6		0.45	0.28	0.83	43	2	2	2	0.54	0.40	0.55
10	1	1	1	0.49	0.09	0.59	44	2	6		0.49	0.66	0.84
11	1	1		0.45	0.18	0.85	45	2	2	2	0.56	0.31	0.60
12	1	1	1	0.50	0.20	0.73	47	3	1	1	0.50	0.11	0.77
13	1	2		0.54	0.12	0.70	48	3	2		0.38	0.05	0.86
14	1	6		0.35	0.21	0.90	49	3	6		0.49	0.72	0.65
16	1	4/5		0.36	0.13	0.55	51	3	3		0.46	0.30	0.57
18	1	1	1	0.31	0.15	0.89	52	3	6		0.28	0.47	0.91
19	1	3		0.43	0.30	0.36	53	3	4/5		0.24	0.29	0.31
20	1	3	3	0.47	0.26	0.81	54	3	2		0.10	0.65	0.51
21	1	6		0.42	0.67	0.82	56	3	4/5		0.49	0.08	0.62
22	1	6		0.47	0.19	0.92	57	3	3		0.31	0.34	0.47
24	2	6	1	0.46	0.09	0.66	58	3	6		0.51	0.49	0.65
25	2	1	1	0.34	0.42	0.50	59	3	4/5		0.47	0.13	0.76
26	2	6		0.56	0.42	0.77	61	3	4/5		0.56	0.17	0.68
27	2	1	1	0.44	0.18	0.51	62	3	6		0.42	0.74	0.71
29	2	3		0.41	0.82	0.66	63	3	6	1	0.31	0.16	0.88
30	2	4/5		0.30	0.19	0.31	65	3	2	2	0.45	0.29	0.77
32	2	2		0.51	0.31	0.66	66	3	4/5		0.37	0.29	0.52
33	2	6		0.30	0.50	0.88	67	3	1		0.14	0.31	0.38
35	2	3		0.36	0.19	0.75	68	3	3		0.50	0.38	0.65

**Table 48. Constructed-Response Item Analyses, Grade 5 Mathematics**Mean Item-Total Corr.: 0.59 Mean *p*-Value: 0.61

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	3	3	0.54	31.97	20.41	47.53			0.09	0.58
7		1	3		0.46	1.27	63.26	15.11	20.19		0.17	0.51
15		1	2	2	0.62	15.13	18.06	66.54			0.27	0.76
17		1	1	1	0.59	4.96	19.12	36.27	39.36		0.29	0.70
23		1	2	2	0.58	9.79	7.86	12.86	5.10	63.88	0.50	0.76
28		2	2	2	0.67	23.55	18.96	57.23			0.26	0.67
31		2	2	2	0.54	11.45	13.47	20.98	53.89		0.22	0.72
34		2	4/5		0.54	27.25	41.70	30.49			0.56	0.51
41		2	4/5		0.59	18.47	27.95	21.36	32.15		0.07	0.56
46		2	4/5		0.67	34.87	9.90	14.82	25.25	15.05	0.11	0.44
50		3	1		0.66	45.87	14.90	38.70			0.53	0.46
55		3	6	1	0.59	6.74	14.50	29.19	49.26		0.32	0.74
60		3	6		0.61	31.53	34.68	33.45			0.34	0.51
64		3	3		0.63	10.14	23.76	36.31	29.61		0.17	0.62
69		3	3	3	0.62	2.99	14.24	21.37	47.91	13.31	0.20	0.63

**Table 49. Multiple-Choice Item Analyses, Grade 5 Science**Mean Item-Total Corr.: 0.37 Mean *p*-Value: 0.63

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		0.29	0.03	0.84	39	2	3		0.42	0.15	0.81
2	1	4		0.16	0.01	0.88	40	2	1/5	1	0.40	0.27	0.73
3	1	3		0.31	0.03	0.79	42	2	2		0.42	0.10	0.77
4	1	4		0.34	0.08	0.69	43	2	2		0.43	0.12	0.55
5	1	3		0.38	0.21	0.48	44	2	2		0.47	0.25	0.69
7	1	1/5		0.38	0.06	0.59	46	2	1/5	2	0.49	0.09	0.64
8	1	4		0.33	0.08	0.53	47	2	1/5	1	0.54	0.39	0.75
9	1	2		0.28	0.04	0.79	49	2	1/5		0.47	0.25	0.61
10	1	3		0.48	0.09	0.61	50	2	3		0.35	0.13	0.66
11	1	1/5	1	0.53	0.08	0.80	51	3	4		0.37	0.02	0.80
12	1	1/5	2	0.29	0.14	0.73	52	3	1/5	2	0.43	0.02	0.80
13	1	1/5	1	0.38	0.19	0.28	53	3	1/5	1	0.45	0.06	0.84
14	1	3		0.34	0.11	0.71	55	3	4		0.39	0.09	0.56
15	1	2		0.39	0.20	0.60	56	3	2		0.22	0.11	0.24
16	1	1/5	2	0.52	0.05	0.73	58	3	4		0.34	0.28	0.56
17	1	4		0.33	0.22	0.92	59	3	2		0.24	0.22	0.40
18	1	2		0.47	0.23	0.42	60	3	4		0.38	0.56	0.45
19	1	1/5	2	0.38	0.06	0.70	62	3	1/5	1	0.42	0.26	0.65
20	1	4		0.34	0.03	0.52	63	3	3		0.39	0.26	0.85
26	2	3		0.21	0.03	0.16	64	3	1/5	2	0.46	0.25	0.58
27	2	3		0.30	0.04	0.77	65	3	1/5	1	0.38	0.61	0.61
28	2	2		0.35	0.04	0.62	66	3	1/5	1	0.43	0.16	0.67
29	2	4		0.32	0.20	0.56	67	3	1/5	1	0.37	0.17	0.47
30	2	1/5		0.38	0.17	0.55	69	3	1/5	2	0.26	0.17	0.30
32	2	4		0.37	0.12	0.52	70	3	1/5	1	0.32	0.06	0.66
33	2	2		0.33	0.10	0.89	71	3	4		0.42	0.31	0.75
35	2	2		0.32	0.35	0.38	72	3	3		0.37	0.10	0.67
36	2	2		0.23	0.11	0.23	74	3	1/5	2	0.38	0.14	0.55
38	2	3		0.39	0.16	0.76							

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

Item #	Part	Session	CS	SA	Item-Total	% Score					Omit %	<i>p</i> -Value
					Corr.	0	1	2	3	4		
6		1	2		0.40	51.53	36.40	11.67			0.40	0.30
21		1	1/5	2	0.49	63.33	36.23				0.44	0.36
22		1	1/5	1	0.50	37.53	62.01				0.46	0.62
23		1	1/5	1	0.44	34.14	43.23	22.20			0.43	0.44
24		1	1/5	2	0.45	51.13	48.32				0.55	0.48
25		1	1/5	2	0.45	22.86	18.05	58.55			0.55	0.68
31		2	3		0.50	64.13	26.27	8.52			1.08	0.22
34		2	1/5		0.45	42.20	57.47				0.33	0.57
37		2	4		0.54	51.59	27.18	20.59			0.65	0.34
41		2	4		0.50	31.80	40.38	27.50			0.32	0.48
45		2	2		0.54	32.54	43.90	23.33			0.23	0.45
48		2	4		0.53	30.50	64.16	4.59			0.75	0.37
54		3	1/5	2	0.55	18.79	23.96	56.69			0.56	0.69
57		3	2		0.45	5.33	35.38	58.88			0.42	0.77
61		3	3		0.43	37.72	62.09				0.19	0.62
68		3	3		0.52	34.26	35.54	29.23			0.97	0.47
73		3	1/5	2	0.36	36.05	53.62	9.48			0.86	0.36
75		3	1/5	2	0.42	52.99	35.62	10.70			0.70	0.29

**Table 51. Multiple-Choice Item Analyses, Grade 6 Reading**Mean Item-Total Corr.: 0.40 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
4	3	1	1/4	0.28	0.05	0.92	42	4	4	2	0.32	0.34	0.81
5	3	1	1/4	0.36	0.09	0.90	43	4	4	2	0.48	0.25	0.85
6	3	4	1/4	0.36	0.11	0.87	44	4	1	2	0.48	0.77	0.84
7	3	6	1/4	0.35	0.27	0.66	46	4	5		0.40	1.19	0.75
9	3	6	1/4	0.27	0.22	0.28	47	4	5		0.38	0.57	0.60
10	3	4	1/4	0.30	0.28	0.64	48	4	5		0.36	0.65	0.54
13	3	1	3	0.48	0.32	0.51	49	4	5		0.39	0.63	0.76
14	3	4	2	0.29	0.28	0.44	50	4	1	2	0.42	0.81	0.54
15	3	4	2	0.46	0.40	0.79	51	4	6	1/4	0.39	1.99	0.55
16	3	5		0.34	0.29	0.33	52	4	1	1/4	0.47	2.32	0.62
19	3	1	2	0.39	0.87	0.50	54	4	1	3	0.38	3.42	0.65
20	3	1	2	0.45	1.54	0.57	55	4	1	3	0.53	3.60	0.70
21	3	1	2	0.50	0.77	0.72	56	4	4	1/4	0.52	3.90	0.64
22	3	1	3	0.41	0.88	0.79	100	6	4	1/4	0.33	0.23	0.47
23	3	1	3	0.43	1.09	0.89	101	6	6	1/4	0.40	0.14	0.60
25	3	1	1/4	0.49	2.55	0.76	102	6	4	1/4	0.48	0.30	0.78
26	3	4	1/4	0.43	2.53	0.75	103	6	6	1/4	0.43	0.34	0.87
27	3	1	1/4	0.41	2.84	0.79	104	6	6	1/4	0.21	0.28	0.64
28	3	1	1/4	0.43	2.96	0.55	105	6	1	3	0.44	0.31	0.76
30	3	5		0.57	5.17	0.58	106	6	5		0.27	0.23	0.48
31	3	1	3	0.44	5.26	0.87	107	6	1	3	0.39	0.09	0.58
33	4	1	2	0.34	0.45	0.80	108	6	6	1/4	0.08	0.28	0.51
35	4	1	3	0.46	0.13	0.61	109	6	1	3	0.45	0.59	0.66
36	4	4	2	0.37	0.23	0.66	110	6	6	1/4	0.43	0.20	0.93
37	4	4	2	0.44	0.57	0.85	111	6	4	1/4	0.40	0.39	0.83
38	4	1	2	0.33	5.09	0.75	113	6	5		0.43	0.07	0.86
40	4	4	2	0.54	0.23	0.88	114	6	5		0.51	0.07	0.90
41	4	1	3	0.43	0.25	0.86	115	6	5		0.47	0.09	0.91

**Table 52. Constructed-Response Item Analyses, Grade 6 Reading**Mean Item-Total Corr.: 0.53 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		
8		3	1	1/4	0.40	52.62	32.88	11.31			3.19	0.28
11		3	5		0.51	9.18	9.25	26.98	52.22		2.38	0.73
12		3	1	2	0.48	46.30	30.55	21.04			2.11	0.36
17		3	4	2	0.51	28.86	21.65	26.31	21.90		1.28	0.47
18		3	4	2	0.59	18.00	4.34	30.09	46.35		1.21	0.68
24		3	6	1/4	0.58	18.59	45.66	32.16			3.60	0.55
29		3	6	1/4	0.58	32.51	26.96	33.36			7.17	0.47
32		4	5		0.62	30.31	10.09	58.71			0.89	0.64
34		4	5		0.46	28.03	6.55	23.96	39.78		1.67	0.58
39		4	6	2	0.63	21.74	33.29	27.93	14.81		2.22	0.45
45		4	5		0.49	40.87	30.66	26.67			1.80	0.42
53		4	1	1/4	0.48	46.42	38.34	7.63	2.60		5.01	0.20
99		6	6	1/4	0.56	24.15	43.06	32.00			0.79	0.54
112		6	6	1/4	0.50	12.89	44.68	39.69	1.76		0.97	0.43



**Table 53. Multiple-Choice Item Analyses, Grade 6 Writing**Mean Item-Total Corr.: 0.42 Mean *p*-Value: 0.71

Item #	Session	CS	SA	Item-Total Corr.	Omit %	p-Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	p-Value
57	5	3	8	0.25	0.04	0.89	77	5	3	7	0.23	0.32	0.54
58	5	2		0.40	0.22	0.88	78	5	3	7	0.35	0.25	0.63
59	5	3	7	0.43	0.38	0.86	79	5	2		0.50	0.91	0.79
60	5	3	7	0.56	0.26	0.68	81	5	2	5	0.36	0.30	0.54
61	5	2	5	0.35	0.17	0.79	82	5	2	5	0.49	0.44	0.69
62	5	3	7	0.41	0.31	0.88	83	5	2	5	0.51	0.31	0.75
63	5	2	5	0.45	0.16	0.90	84	5	2	8	0.36	0.36	0.60
64	5	3	7	0.34	0.50	0.57	85	5	2	7	0.49	0.37	0.82
65	5	3	7	0.48	0.68	0.87	86	5	2	8	0.43	0.60	0.66
66	5	3	7	0.39	0.23	0.87	87	5	2	8	0.51	1.02	0.81
67	5	3	7	0.50	0.50	0.85	88	5	2	7	0.53	0.48	0.80
68	5	3	7	0.44	0.46	0.71	89	5	3	8	0.36	0.72	0.57
69	5	3	7	0.52	0.43	0.84	90	5	2	5	0.32	0.51	0.51
70	5	2	5	0.40	0.22	0.71	91	5	2	5	0.40	0.50	0.56
71	5	3	7	0.49	0.57	0.75	92	5	3	7	0.52	0.69	0.75
72	5	3	7	0.41	0.37	0.78	93	5	3	8	0.45	1.20	0.69
73	5	3	7	0.18	0.86	0.40	94	5	3	8	0.54	1.45	0.78
74	5	3	7	0.48	0.90	0.72	95	5	3	8	0.48	0.73	0.78
75	5	3	7	0.37	0.78	0.45	96	5	3	8	0.41	1.04	0.60
76	5	3	7	0.36	0.71	0.56	97	5	3	7	0.51	1.04	0.73

**Table 54. Constructed-Response Item Analyses, Grade 6 Writing**Mean Item-Total Corr.: 0.46 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	0.11	0.84	99.16				0.00	0.99
2	A	2	3	8	0.38	27.53	72.31				0.17	0.72
2	B	2	3	7	0.47	36.54	63.30				0.16	0.63
2	C	2	3	7	0.24	3.96	95.88				0.16	0.96
2	D	2	3	8	0.44	23.60	76.24				0.16	0.76
2	E	2	3	7	0.36	56.55	43.29				0.16	0.43
2	F	2	3	8	0.42	14.11	85.74				0.16	0.86
3	A	2	2	6	0.65	0.68	3.31	37.90	44.79	13.23	0.09	0.67
3	B	2	2	6	0.66	0.32	5.88	38.74	41.32	13.65	0.09	0.65
3	C	2	3	6	0.48	0.73	8.95	90.23			0.09	0.95
80		5	2	5	0.54	0.30	3.85	36.90	48.20	9.89	0.85	0.65
98		5	2	5	0.57	0.78	3.36	30.25	51.10	12.15	2.36	0.66
116		5	2	5	0.61	0.34	4.83	32.07	46.26	15.97	0.54	0.68

**Table 55. Multiple-Choice Item Analyses, Grade 6 Mathematics**Mean Item-Total Corr.: 0.43 Mean *p*-Value: 0.61

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		0.50	0.17	0.62	32	2	2		0.34	0.21	0.28
2	1	2		0.38	0.05	0.89	34	2	4/5		0.40	0.18	0.36
3	1	2		0.47	0.19	0.56	35	2	6		0.35	0.14	0.71
5	1	6		0.39	0.56	0.82	36	2	2	2	0.46	0.20	0.63
7	1	4/5		0.37	0.14	0.63	37	2	6		0.40	0.28	0.79
8	1	1	1	0.33	0.07	0.76	38	2	1	1	0.50	0.19	0.70
9	1	4/5		0.40	0.14	0.65	39	2	6		0.46	0.81	0.71
11	1	2	2	0.42	0.19	0.50	41	3	3		0.36	0.05	0.54
12	1	4/5		0.37	0.16	0.36	42	3	4/5		0.49	0.11	0.56
13	1	3		0.49	0.18	0.52	43	3	4/5	3	0.47	0.16	0.60
14	1	3		0.40	0.13	0.60	45	3	6		0.63	0.51	0.52
16	1	2	2	0.43	0.46	0.44	46	3	1	1	0.54	0.20	0.66
17	1	6		0.42	0.46	0.81	48	3	1	1	0.41	0.33	0.54
18	1	1		0.57	0.16	0.61	49	3	4/5		0.40	0.18	0.50
19	1	2	2	0.52	0.23	0.76	50	3	1		0.54	0.35	0.49
21	2	3		0.40	0.08	0.64	51	3	3		0.51	0.43	0.67
22	2	6	1	0.43	0.11	0.77	52	3	4/5	3	0.49	0.29	0.51
24	2	3		0.38	0.15	0.84	54	3	1		0.31	0.24	0.28
26	2	6		0.42	0.41	0.85	55	3	4/5	3	0.54	0.25	0.44
27	2	3		0.50	0.27	0.62	56	3	6		0.40	0.55	0.81
28	2	1		0.33	0.40	0.48	57	3	4/5		0.34	0.38	0.48
29	2	1	1	0.60	0.16	0.64	59	3	4/5		0.27	0.15	0.59
31	2	4/5		0.36	0.24	0.72							

**Table 56. Constructed-Response Item Analyses, Grade 6 Mathematics**Mean Item-Total Corr.: 0.58 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		
4		1	4/5		0.38	1.27	22.84	75.62			0.26	0.87
6		1	3		0.55	0.72	54.98	13.21	30.93		0.15	0.58
10		1	4/5	3	0.52	21.20	53.23	24.83			0.75	0.51
15		1	1	1	0.69	21.18	25.87	36.26	15.05		1.64	0.48
20		1	2	2	0.65	11.66	22.66	29.74	25.25	10.42	0.27	0.50
23		2	6		0.57	19.82	42.06	37.89			0.24	0.59
25		2	4/5	3	0.68	45.02	33.31	15.03	6.40		0.24	0.28
30		2	3		0.59	19.60	13.77	65.97			0.66	0.73
33		2	2	2	0.50	8.57	11.99	18.92	60.39		0.13	0.77
40		2	3		0.60	18.88	49.50	18.61	6.00	6.62	0.38	0.33
44		3	3		0.49	7.83	46.42	45.52			0.22	0.69
47		3	4/5	3	0.67	22.05	17.83	24.33	35.55		0.24	0.58
53		3	6	1	0.58	55.55	24.27	19.72			0.47	0.32
58		3	2	2	0.46	6.47	16.00	38.29	38.95		0.30	0.70
60		3	1	1	0.78	18.64	26.25	30.29	7.32	16.77	0.73	0.44

**Table 57. Multiple-Choice Item Analyses, Grade 7 Reading**Mean Item-Total Corr.: 0.41 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
6	3	4	2	0.31	0.30	0.50	40	4	5		0.43	0.20	0.86
7	3	1	3	0.42	0.20	0.45	42	4	5		0.35	0.28	0.62
8	3	1	3	0.52	0.50	0.59	43	4	5		0.44	0.22	0.80
9	3	4	2	0.42	0.13	0.85	44	4	5		0.46	2.48	0.85
10	3	1	3	0.43	0.15	0.85	45	4	5		0.50	0.51	0.75
11	3	5		0.36	0.17	0.37	46	4	5		0.46	0.24	0.85
14	3	6	1	0.32	0.14	0.76	48	4	1	2	0.37	0.38	0.59
15	3	1	1	0.47	0.22	0.82	49	4	1	2	0.23	0.64	0.39
16	3	1	3	0.49	0.22	0.91	50	4	4	2	0.40	0.68	0.38
17	3	5		0.47	0.21	0.89	51	4	4	2	0.55	0.66	0.78
20	3	4	4	0.51	0.66	0.75	52	4	1	2	0.38	0.78	0.49
21	3	6	4	0.30	0.79	0.58	53	4	4	2	0.27	0.69	0.52
22	3	6	4	0.38	0.81	0.68	96	6	1	3	0.56	0.89	0.69
23	3	6	4	0.13	0.84	0.52	100	6	4	1	0.55	0.34	0.78
25	3	6	4	0.28	4.35	0.33	101	6	1	1	0.46	0.48	0.85
26	3	4	4	0.49	4.39	0.80	102	6	4	1	0.53	0.17	0.82
27	3	4	4	0.32	4.40	0.57	103	6	6	1	0.40	0.26	0.49
28	4	1	3	0.33	0.08	0.56	104	6	6	1	0.50	0.39	0.92
29	4	4	4	0.39	0.10	0.80	105	6	4	1	0.37	0.49	0.76
30	4	6	4	0.28	0.27	0.84	106	6	4	1	0.39	0.24	0.85
31	4	6	4	0.41	0.23	0.60	107	6	5		0.45	0.40	0.68
32	4	5		0.44	0.23	0.64	108	6	5		0.24	0.27	0.57
33	4	6	1	0.42	0.16	0.66	109	6	1	3	0.51	0.30	0.79
34	4	1	1	0.41	0.22	0.78	110	6	4	2	0.49	0.21	0.68
36	4	1	3	0.34	0.11	0.75	111	6	1	2	0.42	0.47	0.57
37	4	1	3	0.52	0.13	0.81	112	6	4	2	0.40	0.33	0.82
38	4	4	1	0.49	0.50	0.81	114	6	1	3	0.30	0.30	0.52
39	4	6	1	0.48	0.32	0.74	115	6	5		0.45	0.28	0.82

**Table 58. Constructed-Response Item Analyses, Grade 7 Reading**Mean Item-Total Corr.: 0.53 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		
4		3	5		0.49	7.65	8.41	24.65	57.11		2.18	0.76
5		3	1	2	0.48	39.82	33.39	25.38			1.40	0.42
12		3	1	1	0.64	13.82	14.20	23.98	46.62		1.38	0.67
13		3	1	1	0.39	10.44	28.66	59.77			1.13	0.74
18		3	5		0.51	16.02	26.73	54.34			2.91	0.68
19		3	5		0.60	12.68	14.44	53.17	18.37		1.33	0.59
24		3	6	4	0.57	5.08	45.28	28.67	13.55	4.47	2.95	0.40
35		4	1	1	0.42	32.07	51.54	11.71	3.65		1.04	0.29
41		4	4	1	0.39	49.50	38.25	9.38			2.87	0.29
47		4	1	2	0.62	21.66	16.37	59.11			2.86	0.67
97		6	6	1	0.60	18.69	44.46	35.94			0.91	0.58
98		6	4	1	0.50	26.51	54.51	17.72			1.25	0.45
99		6	6	1	0.59	26.08	24.57	15.08	31.89		2.38	0.50
113		6	1	2	0.67	29.08	38.04	30.55			2.33	0.50

**Table 59. Multiple-Choice Item Analyses, Grade 7 Writing**Mean Item-Total Corr.: 0.41 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
54	5	3	7	0.35	0.05	0.78	75	5	3	7	0.42	0.70	0.79
55	5	3	8	0.47	0.23	0.49	76	5	3	7	0.24	0.47	0.32
56	5	3	7	0.36	0.15	0.95	77	5	3	7	0.28	0.55	0.70
57	5	3	7	0.41	0.14	0.79	78	5	3	7	0.39	0.79	0.60
58	5	3	7	0.42	0.41	0.82	79	5	3	7	0.38	0.79	0.49
59	5	3	7	0.45	0.42	0.80	80	5	3	7	0.28	0.52	0.47
60	5	3	7	0.48	0.59	0.69	81	5	2	5	0.29	0.45	0.35
61	5	2	5	0.45	0.35	0.80	82	5	3	8	0.41	0.56	0.63
62	5	2	8	0.38	0.28	0.86	83	5	2	5	0.23	0.51	0.28
63	5	2	5	0.43	0.29	0.76	84	5	3	7	0.51	0.64	0.72
64	5	2	8	0.43	0.68	0.89	85	5	2	7	0.49	0.61	0.84
65	5	3	8	0.42	0.24	0.74	86	5	3	8	0.54	0.71	0.81
66	5	2	7	0.41	0.25	0.50	87	5	3	8	0.35	0.95	0.36
67	5	2	7	0.47	0.17	0.88	88	5	3	8	0.49	0.83	0.68
68	5	2	5	0.27	0.13	0.65	89	5	3	7	0.52	1.72	0.75
69	5	3	7	0.51	1.07	0.73	90	5	2	7	0.51	1.06	0.71
70	5	2	5	0.29	0.20	0.57	91	5	2		0.45	0.85	0.89
71	5	3	7	0.48	0.55	0.77	92	5	2		0.52	0.87	0.75
73	5	3	7	0.16	0.58	0.59	93	5	3	7	0.60	1.17	0.67
74	5	3	7	0.31	0.82	0.68	94	5	2	5	0.36	1.03	0.53

**Table 60. Constructed-Response Item Analyses, Grade 7 Writing**Mean Item-Total Corr.: 0.44 Mean *p*-Value: 0.67

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	0.70	99.30				0.00	0.99
2	A	2	3	7	0.34	9.24	90.65				0.11	0.91
2	B	2	3	7	0.37	14.60	85.28				0.11	0.85
2	C	2	3	8	0.41	56.57	43.30				0.12	0.43
2	D	2	3	8	0.31	81.92	17.96				0.12	0.18
2	E	2	3	7	0.44	13.99	85.89				0.12	0.86
2	F	2	3	8	0.36	60.42	39.46				0.12	0.39
3	A	2	2	6	0.65	2.19	4.65	44.57	37.10	11.37	0.12	0.63
3	B	2	2	6	0.65	0.14	5.88	45.65	36.96	11.23	0.13	0.63
3	C	2	3	6	0.46	0.19	9.99	89.69			0.12	0.95
72		5	2	5	0.56	0.20	3.59	38.58	47.29	9.45	0.90	0.65
95		5	2	5	0.56	0.43	5.85	43.87	40.38	6.98	2.50	0.61
116		5	2	5	0.55	0.30	5.43	44.56	41.14	7.33	1.25	0.62



**Table 61. Multiple-Choice Item Analyses, Grade 7 Mathematics**Mean Item-Total Corr.: 0.41 Mean *p*-Value: 0.54

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		0.37	0.07	0.64	32	2	3		0.48	0.20	0.43
2	1	4/5		0.53	0.10	0.66	33	2	1/6	1	0.45	0.47	0.75
4	1	1/6	1	0.49	0.12	0.61	35	2	2		0.48	0.33	0.45
5	1	4/5		0.23	0.85	0.20	36	2	4/5		0.34	0.18	0.37
6	1	1/6		0.48	0.16	0.54	37	2	2		0.49	0.22	0.77
8	1	1/6		0.33	0.41	0.44	38	2	4/5		0.50	0.18	0.58
9	1	3		0.30	0.24	0.21	39	2	2		0.53	0.33	0.35
10	1	2		0.27	0.29	0.42	41	3	2		0.30	0.06	0.56
11	1	4/5		0.53	0.11	0.53	42	3	1/6		0.44	0.12	0.69
13	1	3		0.46	0.37	0.75	44	3	1/6		0.50	1.61	0.53
14	1	2		0.22	0.79	0.44	45	3	1/6		0.47	0.43	0.53
16	1	4/5		0.19	0.36	0.62	46	3	4/5	2	0.28	0.10	0.66
17	1	1/6		0.45	0.52	0.48	48	3	1/6		0.36	0.19	0.83
18	1	2		0.36	0.50	0.31	49	3	2		0.53	0.23	0.58
19	1	1/6		0.30	0.79	0.88	50	3	3		0.51	0.38	0.47
21	2	3		0.32	0.12	0.42	52	3	3		0.33	0.58	0.51
22	2	1/6		0.29	0.22	0.49	53	3	4/5		0.35	0.25	0.50
24	2	3		0.51	0.22	0.61	54	3	1/6		0.62	0.67	0.55
25	2	1/6		0.45	0.25	0.34	55	3	4/5		0.49	0.48	0.60
27	2	1/6		0.47	0.16	0.78	57	3	2		0.37	0.13	0.31
28	2	3		0.28	0.40	0.29	58	3	4/5		0.54	0.41	0.60
29	2	4/5		0.42	0.24	0.55	59	3	3		0.31	0.22	0.47
31	2	1/6	1	0.31	0.28	0.92							

**Table 62. Constructed-Response Item Analyses, Grade 7 Mathematics**Mean Item-Total Corr.: 0.59 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		
3		1	3		0.11	72.75	18.65	7.25			1.34	0.17
7		1	1/6	1	0.74	24.73	19.12	23.86	32.07		0.22	0.54
12		1	4/5	2	0.36	62.14	25.30	10.53			2.03	0.23
15		1	4/5	2	0.75	34.58	25.34	21.02	18.52		0.54	0.41
20		1	1/6	1	0.69	31.40	36.28	15.55	5.65	9.04	2.09	0.30
23		2	4/5	2	0.61	70.00	8.73	19.98			1.29	0.24
26		2	2		0.65	14.15	13.42	42.61	29.59		0.23	0.62
30		2	1/6		0.65	32.24	33.08	33.02			1.66	0.50
34		2	3		0.72	24.98	25.31	29.66	19.83		0.21	0.48
40		2	4/5	2	0.74	58.30	10.70	9.75	5.41	15.26	0.58	0.27
43		3	1/6	1	0.61	39.30	31.06	29.31			0.32	0.45
47		3	4/5	2	0.66	22.60	15.44	22.59	39.14		0.23	0.59
51		3	2		0.55	74.28	9.57	14.97			1.19	0.20
56		3	2		0.38	4.13	12.16	36.21	47.22		0.28	0.75
60		3	3		0.57	23.40	28.67	26.54	17.49	2.42	1.49	0.36

**Table 63. Multiple-Choice Item Analyses, Grade 8 Reading**Mean Item-Total Corr.: 0.38 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	0.22	0.05	0.81	38	4	1	2	0.48	0.24	0.63
5	3	6	1	0.39	0.03	0.87	41	4	4	1	0.43	0.21	0.91
7	3	1	3	0.43	0.05	0.68	42	4	6	1	0.26	0.19	0.43
8	3	5		0.38	0.07	0.76	43	4	1	3	0.27	0.55	0.69
9	3	1	1	0.43	0.29	0.64	44	4	5		0.50	0.22	0.72
11	3	1	3	0.46	0.11	0.77	45	4	6	1	0.48	0.25	0.81
12	3	6	4	0.32	0.16	0.54	48	4	1	2	0.38	1.02	0.63
13	3	4	4	0.12	0.40	0.38	49	4	1	2	0.32	0.52	0.45
14	3	1	3	0.38	0.14	0.51	50	4	4	2	0.45	0.83	0.42
16	3	1	4	0.43	0.22	0.87	51	4	4	2	0.53	0.65	0.82
17	3	5		0.32	0.17	0.82	52	4	1	2	0.44	0.79	0.56
18	3	4	4	0.45	0.25	0.83	97	6	1	3	0.19	0.24	0.33
19	3	6	4	0.40	0.28	0.69	99	6	1	1	0.41	0.17	0.88
21	3	4	2	0.41	0.59	0.80	100	6	6	1	0.43	0.33	0.56
22	3	1	3	0.51	0.70	0.88	101	6	1	3	0.35	0.16	0.59
23	3	1	3	0.47	0.76	0.74	102	6	4	1	0.45	0.38	0.85
24	3	5		0.40	1.00	0.69	103	6	5		0.46	0.42	0.72
25	3	5		0.32	0.97	0.43	104	6	5		0.27	0.17	0.62
28	4	4	4	0.32	0.08	0.61	105	6	1	3	0.47	0.16	0.87
29	4	4	4	0.45	0.14	0.82	106	6	5		0.23	0.21	0.38
30	4	5		0.23	0.06	0.88	107	6	1	3	0.22	0.25	0.27
31	4	5		0.42	0.93	0.47	108	6	5		0.33	0.27	0.49
32	4	1	3	0.29	1.10	0.89	110	6	4	2	0.39	0.49	0.69
33	4	1	3	0.37	0.08	0.65	111	6	4	2	0.39	0.40	0.75
34	4	4	2	0.33	0.15	0.88	112	6	1	3	0.42	0.45	0.88
35	4	4	2	0.43	0.18	0.71	113	6	1	3	0.51	0.51	0.81
36	4	5		0.40	0.28	0.59	114	6	5		0.35	0.54	0.62
37	4	5		0.43	0.20	0.88	115	6	5		0.45	0.65	0.69

**Table 64. Constructed-Response Item Analyses, Grade 8 Reading**Mean Item-Total Corr.: 0.59 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		
6		3	1	1	0.54	27.59	38.95	32.62			0.84	0.52
10		3	6	1	0.62	11.61	29.93	39.19	16.94		2.33	0.53
15		3	6	4	0.66	11.03	32.33	34.76	19.64		2.23	0.54
20		3	1	2	0.57	6.83	41.88	5.78	43.06		2.44	0.61
26		3	6	2	0.59	11.19	45.16	31.30	8.79		3.56	0.45
27		4	4	4	0.50	21.79	61.36	15.47			1.38	0.46
39		4	5		0.62	47.53	10.56	36.37			5.54	0.42
40		4	4	1	0.54	3.49	45.99	25.22	23.34		1.95	0.55
46		4	1	2	0.57	17.51	24.45	55.35			2.69	0.68
47		4	1	2	0.65	21.61	19.28	55.80			3.31	0.65
95		6	4	1	0.50	17.46	55.63	25.87			1.05	0.54
96		6	6	1	0.59	14.46	47.50	36.48			1.57	0.60
98		6	6	1	0.59	11.30	51.46	30.29	5.18		1.77	0.43
109		6	5		0.67	14.05	15.51	25.13	40.79		4.52	0.63

**Table 65. Multiple-Choice Item Analyses, Grade 8 Writing**Mean Item-Total Corr.: 0.38 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
53	5	2		0.17	0.29	0.93	74	5	3	7	0.39	0.37	0.59
54	5	3	7	0.40	0.16	0.72	75	5	3	8	0.43	0.44	0.76
55	5	3	7	0.40	0.23	0.90	76	5	3	7	0.49	0.80	0.86
56	5	3	7	0.33	0.13	0.94	77	5	2	7	0.43	0.20	0.90
57	5	2	5	0.17	0.17	0.50	78	5	3	7	0.53	0.36	0.84
58	5	2		0.46	0.29	0.68	79	5	3	7	0.33	0.31	0.37
59	5	2	5	0.27	0.15	0.28	80	5	2	5	0.03	0.26	0.31
60	5	2	5	0.43	0.10	0.80	81	5	2	5	0.40	0.39	0.55
61	5	2	5	0.27	0.14	0.61	82	5	2	5	0.43	0.60	0.59
62	5	2	5	0.05	0.44	0.37	83	5	3	7	0.44	0.34	0.82
63	5	3	7	0.29	0.43	0.53	84	5	3	7	0.50	0.79	0.76
64	5	3	7	0.21	0.58	0.64	85	5	3	8	0.38	0.48	0.61
65	5	3	7	0.30	0.77	0.68	86	5	3	7	0.55	0.41	0.67
66	5	3	7	0.29	0.47	0.75	87	5	2	5	0.33	0.39	0.39
67	5	3	7	0.42	0.18	0.86	88	5	3	8	0.49	0.40	0.83
68	5	3	7	0.45	0.22	0.57	89	5	3	8	0.50	0.94	0.72
69	5	3	7	0.49	0.39	0.82	90	5	2	8	0.52	0.59	0.81
70	5	3	7	0.49	0.60	0.88	91	5	3	8	0.39	0.56	0.67
71	5	3	7	0.45	0.57	0.84	92	5	2	8	0.47	0.60	0.74
73	5	3	8	0.42	0.14	0.38	93	5	2	8	0.51	0.78	0.69

**Table 66. Constructed-Response Item Analyses, Grade 8 Writing**Mean Item-Total Corr.: 0.43 Mean *p*-Value: 0.77

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	0.83	99.17				0.00	0.99
2	A	2	3	8	0.35	19.52	80.34				0.15	0.80
2	B	2	3	7	0.45	17.51	82.34				0.14	0.82
2	C	2	3	7	0.41	26.17	73.69				0.14	0.74
2	D	2	3	8	0.30	18.14	81.69				0.16	0.82
2	E	2	3	8	0.47	32.43	67.42				0.15	0.67
2	F	2	3	7	0.26	5.56	94.23				0.20	0.94
3	A	2	2	6	0.62	0.95	2.93	40.05	44.44	11.50	0.13	0.66
3	B	2	2	6	0.64	0.06	2.87	39.28	45.56	12.10	0.13	0.67
3	C	2	3	6	0.37	0.11	3.89	95.87			0.13	0.98
72		5	2	5	0.56	0.11	3.13	31.98	51.93	12.13	0.72	0.68
94		5	2	5	0.57	0.34	6.84	37.97	45.69	6.10	3.07	0.61
116		5	2	5	0.53	0.33	4.05	37.34	49.19	6.81	2.27	0.63

**Table 67. Multiple-Choice Item Analyses, Grade 8 Mathematics**Mean Item-Total Corr.: 0.41 Mean *p*-Value: 0.53

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	1	0.56	0.22	0.65	31	2	4/5	3	0.45	0.22	0.49
2	1	4/5	2	0.33	0.47	0.43	33	2	3		0.38	0.33	0.50
4	1	1/6		0.48	2.56	0.56	34	2	1/6		0.51	0.32	0.36
5	1	4/5		0.22	0.21	0.48	36	2	3		0.29	0.20	0.67
6	1	3		0.53	0.21	0.50	37	2	4/5	3	0.49	0.38	0.39
7	1	2		0.37	0.36	0.56	38	2	1/6		0.52	0.21	0.45
9	1	4/5	3	0.58	0.16	0.41	39	2	2	1	0.53	0.36	0.36
10	1	1/6	2	0.45	0.37	0.40	41	3	4/5		0.38	0.12	0.58
12	1	3		0.26	0.20	0.44	42	3	1/6		0.50	0.21	0.73
13	1	2		0.42	0.32	0.53	43	3	4/5		0.42	0.10	0.48
14	1	4/5	2	0.59	0.55	0.40	44	3	1/6		0.48	0.35	0.56
16	1	2	1	0.31	1.00	0.44	46	3	1/6	2	0.41	0.18	0.47
17	1	4/5	2	0.15	1.18	0.60	47	3	4/5	3	0.48	0.06	0.63
18	1	3		0.32	1.18	0.84	49	3	4/5	3	0.05	0.21	0.13
19	1	3		0.30	1.37	0.29	50	3	1/6		0.40	0.67	0.54
21	2	1/6		0.30	0.19	0.74	52	3	2	1	0.39	0.20	0.55
22	2	3		0.50	0.14	0.66	53	3	4/5		0.43	0.26	0.56
23	2	2	1	0.22	0.14	0.80	55	3	2		0.55	0.22	0.67
24	2	3		0.54	0.15	0.54	56	3	2		0.43	0.32	0.46
26	2	1/6		0.42	0.43	0.76	57	3	2	1	0.42	0.19	0.47
27	2	2	1	0.48	0.12	0.49	58	3	1/6		0.57	0.33	0.51
29	2	3		0.46	0.32	0.47	59	3	4/5		0.24	0.22	0.67
30	2	4/5	2	0.31	0.16	0.62							

**Table 68. Constructed-Response Item Analyses, Grade 8 Mathematics**Mean Item-Total Corr.: 0.59 Mean *p*-Value: 0.40

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	2		0.48	35.36	21.26	43.21			0.18	0.54
8		1	3		0.73	41.33	13.14	10.36	33.20		1.96	0.44
11		1	3		0.13	69.61	19.63	9.17			1.59	0.19
15		1	4/5	3	0.54	52.12	23.02	22.16	1.17		1.53	0.24
20		1	1/6	2	0.68	25.07	33.59	33.00	2.16	3.38	2.79	0.30
25		2	1/6	2	0.45	41.94	38.00	19.70			0.37	0.39
28		2	1/6		0.77	28.42	30.66	23.54	16.64		0.75	0.43
32		2	4/5	3	0.64	61.22	7.77	29.26			1.76	0.33
35		2	2		0.64	20.56	36.82	9.54	32.31		0.76	0.51
40		2	4/5	3	0.75	39.42	26.25	14.05	11.12	8.58	0.56	0.31
45		3	1/6		0.56	54.35	5.69	38.40			1.56	0.41
48		3	4/5	3	0.55	10.67	53.95	25.13	9.69		0.56	0.44
51		3	2	1	0.58	66.75	11.00	21.04			1.21	0.27
54		3	3		0.70	25.60	12.50	38.92	22.19		0.79	0.52
60		3	2	1	0.71	4.94	8.70	24.22	28.39	33.28	0.46	0.69



**Table 69. Multiple-Choice Item Analyses, Grade 8 Science**Mean Item-Total Corr.: 0.35 Mean *p*-Value: 0.54

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	0.31	0.03	0.71	42	2	2		0.45	0.33	0.46
2	1	3	5	0.21	0.09	0.31	43	2	1/5	2	0.40	0.32	0.75
3	1	1/5	1	0.48	0.13	0.61	45	2	3	5	0.37	0.18	0.52
4	1	3		0.29	0.06	0.57	46	2	3	5	0.17	0.18	0.22
5	1	4		0.40	0.03	0.59	48	2	1/5	1	0.26	0.25	0.53
6	1	2	3	0.37	0.16	0.53	49	2	1/5	2	0.56	0.14	0.48
7	1	1/5	2	0.41	0.12	0.53	50	2	3	5	0.39	0.35	0.44
8	1	1/5	2	0.41	0.08	0.60	52	2	2	3	0.26	0.21	0.59
9	1	1/5	2	0.43	0.11	0.50	53	2	2	3	0.40	0.56	0.57
10	1	1/5		0.39	0.13	0.46	54	2	3	5	0.38	0.19	0.88
11	1	4		0.18	0.07	0.54	55	2	3		0.26	0.18	0.48
12	1	3		0.47	0.08	0.75	56	3	1/5	1	0.40	0.05	0.59
13	1	1/5	1	0.24	0.30	0.45	58	3	2		0.28	0.10	0.41
15	1	4		0.36	0.11	0.34	59	3	4	6	0.34	0.17	0.56
16	1	3	5	0.40	0.07	0.66	60	3	1/5	2	0.30	0.47	0.66
17	1	4	6	0.41	0.12	0.49	61	3	4	6	0.28	0.19	0.74
18	1	1/5	2	0.47	0.06	0.67	63	3	2		0.36	0.20	0.62
26	2	2	3	0.43	0.03	0.78	65	3	1/5	1	0.22	0.27	0.30
27	2	1/5	1	0.31	0.04	0.75	67	3	3	5	0.34	0.30	0.39
28	2	2	3	0.34	0.12	0.79	68	3	1/5	2	0.46	0.11	0.51
29	2	4	6	0.40	0.27	0.43	70	3	1/5	1	0.45	0.08	0.46
30	2	2		0.24	0.56	0.35	71	3	4	6	0.30	0.37	0.32
32	2	1/5	1	0.34	0.15	0.66	72	3	1/5	1	0.39	0.61	0.55
33	2	3		0.22	0.05	0.35	74	3	4	6	0.39	0.23	0.60
34	2	4		0.31	0.50	0.23	75	3	1/5	1	0.41	0.42	0.62
36	2	3	5	0.40	0.17	0.71	77	3	2	3	0.35	0.43	0.68
37	2	2		0.39	0.22	0.57	78	3	4	6	0.25	0.13	0.44
38	2	1/5	2	0.49	0.13	0.59	79	3	1/5	1	0.07	0.22	0.32
40	2	4		0.30	0.28	0.50	81	3	1/5	1	0.43	0.30	0.45
41	2	1/5	1	0.36	0.14	0.59	82	3	1/5	2	0.30	0.39	0.75

**Table 70. Constructed-Response Item Analyses, Grade 8 Science**Mean Item-Total Corr.: 0.44 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		
14		1	2	3	0.47	42.50	57.14				0.36	0.57
19		1	1/5	1	0.54	21.70	30.50	47.09			0.70	0.62
20		1	1/5	1	0.46	43.63	55.39				0.98	0.55
21		1	1/5	2	0.39	16.84	82.21				0.94	0.82
22		1	1/5	2	0.50	7.17	9.53	17.95	30.91	33.96	0.48	0.69
23		1	1/5	2	0.51	19.46	79.22				1.33	0.79
24		1	1/5	1	0.31	72.76	25.71				1.53	0.26
25		1	1/5	2	0.42	56.19	41.97				1.83	0.42
31		2	2		0.53	42.18	35.82	20.15			1.85	0.38
35		2	4	6	0.26	86.93	10.68				2.39	0.11
39		2	4	6	0.48	48.26	47.83	2.41			1.50	0.26
44		2	1/5	1	0.70	11.31	16.37	30.49	40.41		1.42	0.66
47		2	1/5	2	0.53	35.99	26.95	35.03			2.03	0.49
51		2	4		0.52	29.55	53.63	14.45			2.37	0.41
57		3	3		0.34	7.78	21.73	69.77			0.72	0.81
62		3	4	6	0.44	36.72	51.16	11.45			0.68	0.37
64		3	2		0.38	38.10	61.47				0.43	0.61
66		3	4	6	0.13	92.56	1.22				6.22	0.01
69		3	3	5	0.22	85.26	4.58	1.40			8.75	0.04
73		3	3		0.65	36.34	35.98	26.94			0.74	0.45
76		3	2	3	0.32	70.75	23.24	2.72			3.29	0.14
80		3	2	3	0.54	45.81	30.83	18.46			4.90	0.34
83		3	3		0.37	22.05	71.12	6.00			0.83	0.42

**Table 71. Multiple-Choice Item Analyses, Grade 9 Reading**Mean Item-Total Corr.: 0.38 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	6	1	0.54	0.05	0.82	39	4	4	4	0.36	0.16	0.57
6	3	4	1	0.40	0.09	0.93	40	4	4	4	0.51	0.16	0.81
7	3	6	1	0.47	0.04	0.92	41	4	4	4	0.49	0.30	0.65
8	3	6	1	0.33	0.12	0.46	42	4	6	4	0.33	0.35	0.66
9	3	6	1	0.26	0.13	0.51	43	4	6	4	0.41	0.26	0.70
10	3	6	1	0.44	0.05	0.87	45	4	6	4	0.33	0.19	0.56
11	3	1	3	0.26	0.11	0.72	46	4	6	4	0.38	0.25	0.43
12	3	5		0.48	0.21	0.76	47	4	6	4	0.33	0.28	0.60
13	3	6	1	0.30	0.17	0.63	48	4	1	3	0.39	3.02	0.72
14	3	5		0.44	0.08	0.57	49	4	1	3	0.32	3.05	0.61
15	3	6	1	0.28	0.14	0.57	92	6	1	3	0.31	0.11	0.69
16	3	4	1	0.46	0.15	0.74	94	6	1	3	0.40	0.11	0.90
17	3	6	1	0.44	0.31	0.75	95	6	4	2	0.39	0.23	0.67
19	3	4	2	0.39	0.19	0.82	97	6	5		0.30	0.05	0.98
20	3	1	3	0.50	0.13	0.90	98	6	5		0.33	0.10	0.97
21	3	1	3	0.46	0.21	0.77	99	6	5		0.36	0.14	0.96
22	3	1	2	0.31	0.41	0.77	101	6	1	3	0.47	0.15	0.87
23	3	5		0.38	0.31	0.75	103	6	1	3	0.50	0.51	0.83
25	3	1	3	0.37	0.64	0.44	105	6	5		0.53	0.42	0.68
26	3	6	1	0.34	0.88	0.65	106	6	5	3	0.40	0.30	0.86
28	3	1	1	0.56	0.89	0.74	107	6	5		0.51	0.37	0.67
29	3	6	1	0.21	3.61	0.49	109	6	4	2	0.40	1.04	0.46
30	3	6	1	0.12	3.73	0.58	110	6	1	2	0.44	1.02	0.59
32	4	5		0.54	0.09	0.78	111	6	4	2	0.38	1.12	0.51
33	4	5		0.21	0.18	0.44	112	6	1	3	0.28	1.08	0.34
35	4	1	2	0.41	0.25	0.91	113	6	5		0.44	1.33	0.44
36	4	5		0.33	0.12	0.82	114	6	5		0.38	1.18	0.60
37	4	1	2	0.40	0.17	0.58	115	6	5		0.21	1.40	0.31

**Table 72. Constructed-Response Item Analyses, Grade 9 Reading**Mean Item-Total Corr.: 0.58 Mean *p*-Value: 0.50

Item #	Part	Session	CS	SA	Item-Total	% Score	% Score	% Score	% Score	% Score	Omit %	<i>p</i> -Value
					Corr.	0	1	2	3	4		
5		3	4	1	0.50	2.57	32.97	27.12	36.01		1.33	0.65
18		3	1	2	0.53	4.70	40.95	3.91	48.20		2.25	0.64
24		3	6	2	0.58	8.75	47.14	31.48	8.97		3.65	0.46
27		3	1	1	0.61	6.73	56.30	31.23			5.73	0.59
31		4	1	2	0.52	6.08	61.91	30.40			1.61	0.61
34		4	4	2	0.59	12.12	35.13	36.46	12.83		3.46	0.49
38		4	5		0.67	10.89	13.93	22.94	49.47		2.77	0.69
44		4	6	4	0.57	28.32	52.98	15.88			2.83	0.42
93		6	1	2	0.62	28.94	26.56	33.46	6.75		4.29	0.38
96		6	4	2	0.63	9.01	19.56	41.07	27.30		3.06	0.61
100		6	5		0.67	20.59	12.10	20.54	41.52		5.25	0.59
102		6	4	2	0.49	34.71	48.92	8.57	3.99		3.81	0.26
104		6	1	2	0.59	44.79	27.55	15.08	6.66		5.93	0.26
108		6	1	2	0.61	31.19	30.86	20.82	5.69		11.43	0.30

**Table 73. Multiple-Choice Item Analyses, Grade 9 Writing**Mean Item-Total Corr.: 0.44 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
50	5	2	7	0.29	0.12	0.69	71	5	3	7	0.35	0.26	0.36
51	5	2	7	0.49	0.10	0.81	72	5	3	7	0.43	0.60	0.59
52	5	3	8	0.40	0.16	0.79	73	5	3	7	0.53	0.66	0.79
53	5	2	5	0.49	0.10	0.83	74	5	3	8	0.50	0.66	0.84
54	5	2	5	0.36	0.20	0.66	75	5	3	7	0.60	0.26	0.81
55	5	3	8	0.15	0.24	0.73	76	5	3	7	0.55	0.37	0.83
56	5	3	8	0.27	0.36	0.38	77	5	3	7	0.53	0.32	0.61
57	5	3	7	0.37	0.30	0.78	78	5	2	5	0.46	0.25	0.74
58	5	3	8	0.40	0.37	0.89	79	5	3	7	0.57	0.41	0.74
59	5	3	8	0.43	0.24	0.79	80	5	2	8	0.56	0.46	0.70
60	5	3	8	0.49	0.41	0.86	81	5	2	8	0.52	0.42	0.78
61	5	3	7	0.51	0.43	0.71	82	5	2	5	0.33	0.40	0.57
62	5	3	8	0.37	0.62	0.63	83	5	2	5	0.44	0.51	0.58
63	5	2	5	0.41	0.15	0.53	84	5	3	7	0.54	0.50	0.71
64	5	2	5	0.46	0.15	0.64	85	5	2	5	0.54	0.45	0.75
66	5	3	7	0.62	0.18	0.81	86	5	2	5	0.28	0.47	0.78
67	5	3	7	0.53	0.33	0.88	87	5	3	7	0.48	0.59	0.64
68	5	3	8	0.51	0.40	0.75	88	5	2	8	0.52	0.61	0.73
69	5	3	7	0.48	0.79	0.66	89	5	3	7	0.55	0.91	0.86
70	5	2	5	-0.04	0.26	0.26	90	5	3	7	0.33	0.78	0.61

**Table 74. Constructed-Response Item Analyses, Grade 9 Writing**Mean Item-Total Corr.: 0.47 Mean *p*-Value: 0.63

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	0.16	1.67	98.33				0.00	0.98
2	A	2	3	8	0.38	77.35	22.51				0.14	0.23
2	B	2	3	8	0.35	30.19	69.67				0.14	0.70
2	C	2	3	7	0.50	21.60	78.27				0.12	0.78
2	D	2	3	7	0.47	59.38	40.49				0.12	0.40
2	E	2	3	8	0.49	39.82	60.01				0.16	0.60
2	F	2	3	8	0.37	63.89	35.98				0.13	0.36
3	A	2	2	6	0.65	0.69	1.94	36.27	46.50	14.40	0.20	0.68
3	B	2	2	6	0.66	0.08	3.30	34.71	46.41	15.29	0.21	0.68
3	C	2	3	6	0.39	0.08	5.44	94.27			0.21	0.97
65		5	2	5	0.58	0.23	3.59	31.10	52.62	11.36	1.11	0.67
91		5	2	5	0.58	0.60	10.74	37.89	42.35	5.62	2.80	0.59
116		5	2	5	0.58	0.87	10.33	46.21	34.66	3.48	4.45	0.55

**Table 75. Multiple-Choice Item Analyses, Grade 9 Mathematics**Mean Item-Total Corr.: 0.35 Mean *p*-Value: 0.47

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	0.41	0.10	0.79	32	2	1/6		0.38	0.40	0.14
3	1	3		0.53	0.15	0.57	33	2	1/6		0.38	0.53	0.57
4	1	2		0.49	0.21	0.44	35	2	3		0.53	0.17	0.56
5	1	2	1	0.55	0.19	0.40	36	2	4/5		0.45	0.19	0.35
6	1	3		0.27	0.13	0.45	37	2	2		0.37	0.32	0.66
8	1	2	1	0.10	0.27	0.28	38	2	3		0.33	0.35	0.37
9	1	2	2	0.44	0.23	0.60	39	2	4/5		0.51	0.55	0.41
11	1	1/6		0.46	0.47	0.43	41	3	1/6		0.41	0.11	0.57
12	1	3		0.09	0.16	0.03	42	3	1/6	2	0.43	0.11	0.50
13	1	4/5	2	0.40	0.45	0.35	43	3	3	2	0.32	0.17	0.65
15	1	2		0.26	0.25	0.87	44	3	2	2	0.29	0.20	0.32
16	1	4/5		0.23	0.34	0.59	45	3	4/5		0.43	0.47	0.65
17	1	4/5		0.21	0.42	0.39	47	3	3		0.33	0.13	0.40
18	1	2		0.25	0.78	0.40	48	3	3		0.41	0.16	0.68
19	1	1/6		0.23	0.60	0.61	50	3	1/6	2	0.24	0.86	0.28
21	2	3		0.40	0.24	0.44	52	3	2		0.41	0.23	0.32
22	2	2	1	0.33	0.11	0.40	54	3	1/6		0.41	0.51	0.69
24	2	3		0.54	0.17	0.36	55	3	2	1	0.33	0.43	0.51
25	2	4/5		0.42	0.15	0.19	56	3	4/5		0.14	0.41	0.38
26	2	1/6		0.34	0.20	0.32	57	3	4/5		-0.01	0.39	0.31
27	2	3		0.39	0.14	0.75	58	3	2		0.52	0.57	0.37
29	2	1/6		0.21	0.55	0.33	59	3	4/5		0.37	0.61	0.84
31	2	3		0.29	0.18	0.61							

**Table 76. Constructed-Response Item Analyses, Grade 9 Mathematics**Mean Item-Total Corr.: 0.63 Mean *p*-Value: 0.40

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	4/5	2	0.53	46.83	47.77				5.40	0.48
7		1	2		0.74	44.19	14.69	9.97	28.47		2.68	0.40
10		1	3		0.58	46.36	27.98	24.90			0.75	0.39
14		1	1/6	2	0.64	59.06	25.45	13.40	0.14		1.95	0.18
20		1	3	1	0.67	16.75	27.73	32.73	14.49	7.09	1.21	0.41
23		2	1/6	2	0.41	44.06	37.58	17.79			0.57	0.37
28		2	4/5	2	0.64	56.68	28.38	8.84	3.97		2.13	0.19
30		2	1/6	1	0.69	63.78	11.20	22.83			2.19	0.28
34		2	2	1	0.62	17.24	36.06	10.17	35.61		0.92	0.54
40		2	4/5		0.72	51.53	24.51	13.96	2.48	5.46	2.06	0.20
46		3	3		0.55	41.41	22.89	35.01			0.68	0.46
49		3	4/5		0.76	46.93	14.90	12.79	22.61		2.77	0.36
51		3	2	1	0.69	24.66	27.21	46.54			1.59	0.60
53		3	3		0.55	20.64	51.13	16.19	10.39		1.64	0.38
60		3	2	1	0.66	4.22	4.96	20.01	29.56	40.39	0.85	0.74



**Table 77. Multiple-Choice Item Analyses, Grade 10 Reading**Mean Item-Total Corr.: 0.39 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	1	1	0.38	0.06	0.86	40	4	5		0.43	0.48	0.78
5	3	4	1	0.47	0.09	0.82	42	4	1	3	0.43	0.77	0.56
6	3	6	1	0.42	0.07	0.81	43	4	5		0.34	0.85	0.50
8	3	5		0.25	0.22	0.62	44	4	1	3	0.48	0.83	0.86
9	3	1	3	0.40	0.12	0.77	45	4	5		0.35	1.18	0.61
10	3	5		0.43	0.08	0.73	46	4	1	3	0.37	0.95	0.54
11	3	6	1	0.39	0.22	0.79	47	4	6	1	0.44	1.02	0.63
13	3	1	3	0.39	0.29	0.55	48	4	5		0.17	1.10	0.39
15	3	6	1	0.30	0.49	0.53	92	6	4	2	0.41	0.19	0.54
16	3	1	1	0.41	0.20	0.77	93	6	1	2	0.45	0.23	0.61
17	3	1	3	0.27	0.20	0.70	94	6	4	2	0.38	0.44	0.57
18	3	1	3	0.47	0.23	0.87	95	6	4	2	0.44	0.49	0.79
20	3	4	4	0.28	0.33	0.45	96	6	1	3	0.36	0.50	0.41
21	3	4	4	0.31	0.54	0.66	98	6	5		0.49	0.34	0.54
22	3	1	3	0.28	0.46	0.61	99	6	5		0.44	0.27	0.73
23	3	5		0.30	0.51	0.45	100	6	5		0.27	0.93	0.34
24	3	5		0.41	0.49	0.78	102	6	4	1	0.43	0.40	0.82
25	4	4	2	0.48	0.19	0.80	104	6	5		0.44	0.29	0.60
26	4	1	3	0.46	0.09	0.87	105	6	4	1	0.50	0.50	0.82
28	4	5		0.51	0.18	0.75	106	6	4	1	0.53	0.42	0.89
29	4	5	3	0.37	0.09	0.90	107	6	1	3	0.32	0.47	0.50
30	4	5		0.49	0.17	0.72	109	6	6	4	0.11	0.51	0.69
33	4	5		0.52	0.55	0.79	110	6	4	4	0.46	0.56	0.74
34	4	5		0.34	0.13	0.95	111	6	6	4	0.48	0.86	0.71
35	4	5		0.45	0.30	0.64	112	6	4	4	0.42	0.46	0.58
36	4	1	3	0.46	0.67	0.59	113	6	1	4	0.27	0.50	0.57
38	4	6	4	0.51	0.35	0.73	114	6	1	4	0.24	0.52	0.42
39	4	4	4	0.33	0.78	0.47	115	6	6	4	0.35	0.66	0.60

**Table 78. Constructed-Response Item Analyses, Grade 10 Reading**Mean Item-Total Corr.: 0.62 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	0.55	13.85	27.38	31.85	20.21		6.71	0.51
12		3	6	1	0.61	16.33	30.01	35.51	13.49		4.67	0.47
14		3	1	1	0.67	4.37	10.62	44.89	24.68	11.40	4.05	0.55
19		3	6	4	0.51	12.01	50.57	33.95			3.47	0.59
27		4	1	2	0.61	35.40	26.71	21.16	12.88		3.86	0.36
31		4	4	2	0.48	33.86	48.10	9.32	4.86		3.86	0.27
32		4	1	2	0.70	10.81	15.64	27.11	43.29		3.15	0.67
37		4	5		0.65	9.34	10.44	26.26	48.22		5.74	0.69
41		4	1	2	0.64	19.49	32.34	17.30	23.68		7.19	0.46
91		6	1	2	0.65	23.11	36.24	24.67	8.07		7.91	0.37
97		6	4	2	0.65	14.61	23.14	53.75			8.50	0.65
101		6	6	1	0.68	23.74	23.94	33.34	13.57		5.41	0.44
103		6	4	1	0.58	24.21	41.35	24.18	4.38		5.87	0.34
108		6	6	1	0.64	27.53	33.89	32.00			6.58	0.49

**Table 79. Multiple-Choice Item Analyses, Grade 10 Writing**Mean Item-Total Corr.: 0.45 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
49	5	3	7	0.44	0.10	0.95	70	5	3	7	0.50	0.33	0.86
50	5	3	8	0.35	0.11	0.57	71	5	3	7	0.30	0.36	0.63
51	5	3	7	0.49	0.17	0.93	72	5	3	7	0.54	0.39	0.83
52	5	3	8	0.48	0.13	0.79	73	5	3	7	0.52	0.35	0.92
53	5	3	7	0.53	0.27	0.89	74	5	3	7	0.53	0.46	0.81
54	5	3	7	0.30	0.35	0.75	75	5	3	7	0.58	0.52	0.87
55	5	3	7	0.51	0.49	0.83	76	5	2	5	0.33	0.37	0.60
56	5	2	5	0.40	0.15	0.57	77	5	2	5	0.45	0.37	0.65
57	5	3	7	0.47	0.18	0.75	78	5	2	5	0.36	0.38	0.46
58	5	3	7	0.50	0.33	0.84	79	5	2	5	0.46	0.40	0.74
59	5	3	7	0.52	0.36	0.76	80	5	2	5	0.50	0.47	0.66
60	5	3	7	0.26	0.42	0.39	81	5	3	8	0.30	0.50	0.33
61	5	3	7	0.45	0.21	0.95	82	5	3	7	0.53	0.84	0.73
62	5	3	7	0.46	0.26	0.72	83	5	3	7	0.54	0.80	0.90
63	5	3	7	0.51	0.36	0.85	84	5	3	7	0.56	0.70	0.88
64	5	3	7	0.36	0.32	0.82	85	5	2	5	0.31	0.49	0.52
65	5	2	5	0.52	0.15	0.84	86	5	2	5	0.35	0.54	0.56
66	5	2	5	0.38	0.19	0.70	87	5	2	7	0.54	0.88	0.88
67	5	2	5	0.34	0.21	0.66	88	5	3	7	0.54	0.83	0.84
68	5	2	5	0.46	0.24	0.79	89	5	2	5	0.35	0.66	0.59

**Table 80. Constructed-Response Item Analyses, Grade 10 Writing**Mean Item-Total Corr.: 0.43 Mean *p*-Value: 0.71

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	0.18	1.86	98.14				0.00	0.98
2	A	2	3	7	0.48	29.71	70.16				0.13	0.70
2	B	2	3	8	0.24	28.55	71.32				0.13	0.71
2	C	2	3	8	0.33	24.60	75.27				0.13	0.75
2	D	2	3	8	-0.01	19.15	80.67				0.18	0.81
2	E	2	3	8	0.43	61.18	38.54				0.27	0.39
2	F	2	3	7	0.34	17.64	82.23				0.13	0.82
3	A	2	2	6	0.68	0.74	5.21	44.58	40.18	9.06	0.22	0.63
3	B	2	2	6	0.68	0.09	6.44	44.49	39.71	9.04	0.23	0.63
3	C	2	3	6	0.52	0.11	13.40	86.27			0.23	0.93
69		5	2	5	0.56	0.52	5.72	28.08	50.70	12.52	2.47	0.66
90		5	2	5	0.61	0.88	9.72	37.96	41.65	6.54	3.26	0.59
116		5	2	5	0.60	0.81	7.84	36.14	44.53	7.32	3.37	0.61

**Table 81. Multiple-Choice Item Analyses, Grade 10 Mathematics**Mean Item-Total Corr.: 0.37 Mean *p*-Value: 0.47

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	0.28	0.33	32	2	1/6		0.25	0.29	0.25
2	1	4/5		0.29	0.43	0.30	33	2	1/6		0.26	0.92	0.41
3	1	1/6		0.22	0.19	0.63	35	2	3		0.36	0.24	0.57
4	1	4/5	1	0.41	0.07	0.79	36	2	2	1	0.58	0.33	0.60
6	1	3		0.31	0.25	0.44	37	2	3	1	0.45	0.14	0.65
7	1	2	1	0.36	0.23	0.37	38	2	2		0.43	0.15	0.62
9	1	3	2	0.18	0.33	0.34	39	2	2		0.40	0.31	0.63
10	1	1/6		0.48	0.26	0.53	41	3	2		0.36	0.15	0.47
11	1	4/5		0.49	0.41	0.32	42	3	3		0.33	0.19	0.66
12	1	1/6		0.44	0.52	0.45	43	3	3	2	0.32	0.18	0.28
14	1	4/5		0.41	0.20	0.57	45	3	2		0.56	0.32	0.44
15	1	3		0.36	0.21	0.61	46	3	2		0.48	0.35	0.55
16	1	2	1	0.44	0.20	0.47	47	3	1/6		0.28	0.48	0.31
18	1	1/6		0.27	0.46	0.54	48	3	4/5		0.58	0.47	0.37
19	1	1/6		0.55	0.99	0.31	50	3	4/5		0.28	0.27	0.33
21	2	4/5		0.44	0.26	0.27	51	3	2	1	0.23	0.19	0.79
22	2	3		0.37	0.05	0.72	52	3	1/6		0.50	0.26	0.65
23	2	2	1	0.36	0.10	0.27	54	3	2		0.25	0.44	0.35
24	2	4/5		0.41	0.45	0.22	56	3	3	2	0.36	0.25	0.57
26	2	1/6		0.42	0.27	0.61	57	3	3	2	0.14	0.35	0.05
27	2	4/5		0.30	0.11	0.45	58	3	1/6		0.31	0.57	0.35
29	2	2		0.17	0.58	0.34	59	3	2		0.43	0.37	0.71
30	2	3	1	0.38	0.22	0.72							

**Table 82. Constructed-Response Item Analyses, Grade 10 Mathematics**Mean Item-Total Corr.: 0.62 Mean *p*-Value: 0.35

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	3	2	0.57	47.25	28.91	23.25			0.60	0.38
8		1	4/5	1	0.63	51.00	34.97	5.70	6.71		1.62	0.22
13		1	2	1	0.69	35.96	34.08	27.04			2.93	0.44
17		1	1/6	1	0.67	56.90	25.89	14.55	0.32		2.34	0.19
20		1	4/5		0.74	46.30	25.74	15.72	2.76	6.61	2.87	0.23
25		2	3		0.34	12.08	52.35	34.72			0.84	0.61
28		2	3		0.62	19.30	53.02	24.90	1.84		0.94	0.36
31		2	1/6		0.70	62.14	10.79	24.34			2.73	0.30
34		2	2	1	0.61	16.11	20.63	37.14	24.88		1.23	0.57
40		2	3	1	0.64	3.72	34.04	41.53	8.46	11.46	0.80	0.47
44		3	3	2	0.23	93.96	2.16	2.32			1.57	0.03
49		3	4/5		0.73	31.20	10.92	18.88	37.55		1.45	0.54
53		3	2		0.68	62.52	4.89	27.54			5.05	0.30
55		3	2	1	0.68	54.58	20.14	6.06	16.01		3.21	0.27
60		3	4/5		0.73	26.56	34.40	11.98	15.26	8.88	2.91	0.35

**Table 83. Multiple-Choice Item Analyses, Grade 10 Science**Mean Item-Total Corr.: 0.33 Mean *p*-Value: 0.54

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	2	0.38	0.04	0.70	46	2	1/5	1	0.04	0.18	0.27
2	1	3	5	0.26	0.02	0.73	47	2	1/5	1	0.31	0.22	0.36
3	1	1/5	2	0.41	0.09	0.61	48	2	3	5	0.44	0.30	0.64
4	1	2	4	0.18	0.09	0.35	49	2	4	6	0.49	0.26	0.75
5	1	1/5	1	0.43	0.08	0.48	50	2	1/5	1	0.42	0.20	0.81
6	1	2	4	0.08	0.07	0.28	51	2	1/5	1	0.42	0.28	0.72
7	1	2	4	0.25	0.12	0.37	53	2	4	6	0.42	0.15	0.83
8	1	3	5	0.40	0.10	0.41	54	2	1/5	1	0.47	0.15	0.87
10	1	1/5	1	0.29	0.17	0.49	56	3	1/5	2	0.52	0.06	0.64
11	1	4		0.29	0.09	0.37	57	3	1/5	1	0.29	0.09	0.59
12	1	2		0.29	0.09	0.39	60	3	1/5	1	0.42	0.50	0.43
13	1	2		0.53	0.14	0.62	62	3	4	6	0.31	0.36	0.49
14	1	1/5	2	0.53	0.14	0.71	64	3	1/5		0.37	0.21	0.69
16	1	3	5	0.34	0.33	0.48	65	3	1/5		0.34	0.33	0.55
17	1	2	4	0.28	0.08	0.42	66	3	4	6	0.31	0.22	0.57
18	1	3		0.43	0.17	0.44	67	3	4	6	0.38	0.14	0.81
19	1	1/5	1	0.29	0.27	0.61	68	3	1/5	1	0.03	0.12	0.23
20	1	4	6	0.20	0.29	0.56	69	3	3	5	-0.04	0.10	0.32
21	1	3		0.22	0.09	0.30	70	3	1/5	2	0.33	0.16	0.73
28	2	4	6	0.40	0.16	0.58	71	3	2		0.27	0.22	0.45
30	2	2	4	0.50	0.13	0.54	72	3	2	4	0.38	0.18	0.74
31	2	1/5	2	0.24	0.62	0.43	73	3	1/5	2	0.43	0.65	0.74
33	2	2		0.21	0.18	0.33	74	3	3	5	0.40	0.29	0.52
34	2	1/5	1	0.25	0.14	0.46	76	3	4	6	0.45	0.33	0.57
35	2	4	6	0.16	0.19	0.45	77	3	3	5	0.30	0.28	0.37
37	2	1/5	1	0.39	0.42	0.81	78	3	4		0.36	0.35	0.38
40	2	3	5	0.41	0.19	0.75	79	3	1/5		0.30	0.43	0.36
41	2	1/5	2	0.43	0.13	0.87	80	3	3	5	0.40	0.40	0.41
43	2	4	6	0.16	0.21	0.39	81	3	2	4	0.40	0.21	0.33
45	2	3		0.44	0.13	0.76	82	3	2	4	0.30	0.22	0.61

**Table 84. Constructed-Response Item Analyses, Grade 10 Science**Mean Item-Total Corr.: 0.44 Mean *p*-Value: 0.33

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	4	6	0.51	46.95	37.53	13.64			1.88	0.32
15		1	4	6	0.52	30.63	42.13	25.62			1.63	0.47
22		1	1/5	2	0.58	19.53	12.79	15.39	21.11	29.26	1.91	0.56
23		1	1/5	1	0.44	33.82	23.15	39.52			3.50	0.51
24		1	1/5	1	0.54	33.40	42.27	20.13			4.20	0.41
25		1	1/5	1	0.32	60.91	34.28				4.81	0.34
26		1	1/5	2	0.42	66.66	28.31				5.02	0.28
27		1	1/5	2	0.32	55.10	40.96				3.94	0.41
29		2	3		0.34	41.61	55.88				2.51	0.56
32		2	1/5	2	0.27	72.11	24.96				2.92	0.25
36		2	3	5	0.51	45.62	26.24	4.71			23.43	0.18
38		2	2	4	0.45	69.19	17.65	9.00			4.16	0.18
39		2	2	4	0.54	63.14	10.71	15.28			10.87	0.21
42		2	3	5	0.47	51.48	32.78	5.30			10.45	0.22
44		2	1/5	1	0.51	42.70	17.86	35.88			3.56	0.45
52		2	3	5	0.40	70.09	18.30	0.85			10.76	0.10
55		3	4		0.38	58.79	39.25				1.96	0.39
58		3	1/5	1	0.44	35.62	53.84	8.31			2.24	0.35
59		3	2	4	0.40	83.04	9.36				7.60	0.09
61		3	4	6	0.45	55.91	33.74	5.36			4.99	0.22
63		3	4	6	0.28	59.07	31.61	3.52			5.80	0.19
75		3	2		0.56	41.61	35.98	20.00			2.42	0.38
83		3	1/5	2	0.47	42.33	54.23				3.44	0.54



**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	0.87148	0.2123	0.2239	14.61	21	0.32306	-0.8484	0.0000	2.26
2	0.73340	0.7954	0.2154	17.50	22	0.84168	-1.2039	0.0643	1.41
3	1.00047	-0.0518	0.2977	12.11	24	0.77579	-1.1563	0.0306	6.26
5	1.26025	-0.5670	0.2852	13.50	25	0.50560	0.3183	0.1717	49.55
6	0.90074	-0.5399	0.2430	6.09	26	0.95185	-0.4149	0.1862	17.31
7	0.40251	-1.5867	0.1360	14.41	28	1.03737	0.0373	0.4197	17.96
8	0.70436	0.5188	0.0777	40.94	29	0.93045	-0.7534	0.1556	7.59
9	0.56062	-0.5248	0.1849	6.50	30	0.99809	-0.7803	0.3689	10.47
10	1.07604	-0.1498	0.2592	23.51	32	0.75178	-0.7467	0.0589	10.54
11	0.92822	0.9658	0.2529	26.37	33	0.71944	-1.3200	0.0484	3.42
12	0.44483	-1.6177	0.2000	53.39	34	0.84374	-1.4119	0.2505	8.52
14	0.87386	-1.6373	0.1717	58.77	35	0.78455	-0.6142	0.2304	7.89
15	1.08878	0.6116	0.1922	80.15	36	0.42241	-0.4955	0.2000	24.89
17	0.71633	-1.3527	0.0496	7.72	38	1.30097	0.8196	0.2165	62.66
18	1.10635	-1.8004	0.1717	15.34	39	0.93801	-1.6326	0.1316	9.61
19	0.61171	-1.4268	0.1717	3.27	40	0.69075	0.2373	0.3764	15.71

**N=57546 M1=60.0076 M2=571.2853 Critical Z=153.46****Table 86. Item Parameter and Fit Summary, Constructed-Response Items, Grade 3 Reading**

Item	Part	f	g1	g2	g3	g4	Fit-Z
4		1.18804	-1.3461	1.8901			133.70
13		0.65733	-0.8650	0.1568	1.8294		108.49
16		0.55690	-0.6211	-0.8962			144.85
20		0.68603	-1.1458	0.7826	2.2893		26.19
23		0.60059	-0.3853	0.7727	1.7788		33.67
27		1.40914	-0.7120	2.6184			83.54
31		0.88713	-0.2802	-0.1443	1.0709		92.41
37		1.05130	-1.1347	1.3994			27.72

**N=57546 M1=60.0076 M2=571.2853 Critical Z=153.46**

**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	0.88205	-1.4543	0.2157	6.96	21	1.19807	-1.6610	0.3051	4.16
3	1.14555	-2.2098	0.2000	7.04	22	0.94252	-1.9417	0.2000	3.91
4	1.29023	-1.4014	0.2850	1.68	23	0.69472	-2.0298	0.1365	3.13
5	1.08997	-1.5155	0.1653	7.92	24	1.03864	-0.2448	0.1879	8.51
6	1.09263	-1.5648	0.3463	1.78	25	0.63909	-0.9602	0.1422	3.91
7	1.18456	-0.9000	0.3316	16.61	26	0.85388	-1.7112	0.1803	4.63
8	0.83649	-1.6117	0.2000	3.61	28	1.28728	-1.5111	0.3070	5.59
9	0.97036	-1.2513	0.2232	19.60	29	1.01162	-1.0500	0.1845	5.37
11	0.71003	0.9958	0.1884	17.18	30	0.87997	-2.0738	0.2000	2.02
12	0.72725	-1.0733	0.2000	4.14	31	0.54871	0.4306	0.2410	9.82
13	0.80218	0.8068	0.1243	40.56	32	0.94806	-0.4144	0.1712	7.85
14	0.69994	-1.0991	0.2029	3.95	33	1.28754	-0.9202	0.2035	4.49
15	0.67329	-1.1203	0.2000	11.96	34	1.08332	-1.7689	0.2000	25.24
16	0.98076	-0.2564	0.1718	10.90	35	1.26070	-0.9670	0.1922	13.07
17	1.03314	-0.2095	0.2265	10.04	36	0.89155	-0.5902	0.2468	5.05
18	0.87254	-0.8955	0.2345	1.87	37	1.38088	-0.9361	0.2469	5.75
19	0.74473	-0.8039	0.2881	6.21	38	0.61956	-0.5998	0.1346	5.00
20	1.23735	-1.1485	0.3771	2.99					

**N=60796 M1=43.9742 M2=464.5625 Critical Z=162.12**

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

Item	Part	f	g1	g2	g3	g4	Fit-Z
1	A	1.48973	-2.2252				0.46
1	B	2.04450	-1.9257				6.29
1	C	1.65208	-1.9248				82.05
1	D	1.36279	-0.8565				8.04
1	E	1.21268	-1.3920				5.68
1	F	1.77690	-1.5238				7.69
10	A	1.08690	-4.4575	1.0493			51.79
10	B	1.80050	-5.0214				12.59
10	C	1.65840	-1.4734				4.48
10	D	1.81688	-2.8152				12.11
27	A	1.09164	-4.4172	0.6299			87.05
27	B	2.17405	-5.4518				10.29
27	C	1.72213	-1.7378				9.83
27	D	1.82819	-2.5973				6.76
39	A	1.13725	-4.6331	0.8045			51.46
39	B	2.02360	-5.4776				16.78
39	C	1.68079	-1.6231				9.78
39	D	1.76949	-3.1484				6.15

**N=60796 M1=43.9742 M2=464.5625 Critical Z=162.12**

**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	0.61358	-2.1334	0.1631	6.19	21	0.70440	-1.9193	0.2000	17.19
2	1.75617	2.6647	0.1309	92.72	22	1.21165	-0.3873	0.2821	21.14
3	0.62058	1.1342	0.0542	8.67	24	0.52014	-3.0165	0.2000	3.70
4	0.68789	-0.2246	0.4396	10.93	25	0.47969	-0.2206	0.2361	5.83
5	0.87688	0.4188	0.2404	4.70	26	0.71154	-1.5333	0.3631	2.95
7	0.77513	-2.3686	0.1017	4.47	27	1.16925	-0.1925	0.2384	9.29
8	0.45961	-2.6977	0.2000	7.46	28	0.64275	-1.3940	0.0908	1.15
9	0.87013	-1.1492	0.1039	0.42	29	0.58126	-0.5050	0.2527	0.85
11	0.74285	-0.3759	0.0458	5.88	31	0.98823	-0.2137	0.0298	10.10
12	0.62292	-1.1954	0.3098	4.77	32	1.01987	-0.5841	0.1075	2.17
13	0.82625	-0.8961	0.2592	5.56	33	1.06615	-0.4042	0.1261	8.08
14	0.65688	-0.2641	0.2887	2.64	34	1.05577	-0.9707	0.0570	16.71
16	0.97171	-1.7231	0.1023	8.22	35	0.64167	-0.4784	0.1081	0.52
17	1.06329	-0.8046	0.2224	5.68	36	1.05953	0.5295	0.0502	12.02
18	1.00845	-0.2771	0.2095	12.50	38	0.99210	-0.6248	0.0301	6.93
19	0.69339	-1.9350	0.1631	21.90	39	0.36890	-3.1743	0.2000	10.14

**N=55184 M1=74.8343 M2=473.5292 Critical Z=147.16****Table 94. Item Parameter and Fit Summary, Constructed-Response Items, Grade 3 Mathematics**

Item	Part	f	g1	g2	g3	g4	Fit-Z
6		1.52724	-1.8399	2.3414			53.05
10		0.97535	-0.6049	-0.1299			38.83
15		0.80555	-1.6004	-0.4222			89.34
20		1.03578	-1.8938	0.4786	0.3783		109.65
23		1.07242	-2.5044	-0.9158			58.19
30		1.13244	-0.8908	-1.1864			14.91
37		1.23435	-0.0109	0.9299			229.37
40		1.10850	-3.6578	-1.1978	-0.1883		17.90

**N=55184 M1=74.8343 M2=473.5292 Critical Z=147.16**

**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	0.62878	-2.7960	0.2000	14.25	40	0.84216	0.1258	0.1709	48.22
6	1.12109	0.1644	0.1243	14.50	42	1.16437	-0.5535	0.2295	5.40
7	0.85611	-0.7266	0.1430	5.70	44	1.30228	-1.1407	0.2294	1.72
8	0.50134	-3.0231	0.2000	51.12	45	1.19183	-0.1956	0.2981	13.47
9	0.68109	0.2542	0.2080	1.33	46	0.93769	-0.6793	0.1630	3.48
10	0.57138	-1.5520	0.2000	17.36	47	0.63643	0.2228	0.2098	60.78
11	0.77290	0.0671	0.2407	17.62	48	0.68200	-0.9729	0.0628	18.72
12	0.98132	-0.2730	0.1153	43.70	49	0.85418	0.4689	0.2498	26.90
13	1.16784	-1.2183	0.2626	2.42	51	0.52761	-1.0527	0.1752	1.42
14	0.65294	-2.0740	0.1734	34.21	94	1.13937	-0.3724	0.2211	3.88
15	0.80934	0.3605	0.2540	4.82	95	0.76928	-1.0562	0.2738	5.52
16	0.85643	0.8390	0.1540	4.54	96	0.86858	-1.8870	0.1939	99.86
19	1.17454	0.5277	0.1667	14.61	97	1.05600	-1.0756	0.2845	4.18
21	0.74420	-1.0529	0.2170	8.65	98	0.92535	0.1958	0.1880	15.96
22	0.35939	-1.4098	0.0000	5.76	99	1.10754	-1.5169	0.3113	1.67
24	1.36638	0.3068	0.2220	22.16	100	0.90755	-0.8123	0.1119	1.54
25	1.18345	-1.7056	0.2651	5.13	102	0.32983	-1.7694	0.2000	134.62
26	0.87720	-0.9049	0.3657	21.73	103	0.73924	-1.1055	0.1147	7.79
27	0.97705	-0.0673	0.2693	12.52	104	1.02421	-0.6113	0.1621	10.80
28	1.17588	-0.2158	0.1707	19.75	105	1.27003	-0.6914	0.2190	1.45
29	0.62776	-1.7876	0.1939	8.61	106	1.38405	-1.2677	0.2280	3.14
31	0.40828	-0.3504	0.2000	11.54	107	1.14929	0.9394	0.2420	14.34
32	0.87360	-1.6257	0.0655	4.53	110	0.41377	-0.0193	0.1061	17.41
34	0.74158	-1.1257	0.0640	3.87	111	0.86415	-0.0534	0.2813	10.44
35	1.67678	-0.9462	0.2881	3.84	112	0.94258	-0.0282	0.2030	20.23
36	0.71292	-1.3134	0.1386	6.79	113	1.02566	-0.8557	0.2219	3.37
37	1.26985	-0.7927	0.2463	3.97	115	0.97640	0.7516	0.1915	8.81
38	1.09398	-0.2163	0.2217	16.80					

**N=61059 M1=52.3538 M2=590.3867 Critical Z=162.82**



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

Item	Part	f	g1	g2	g3	g4	Fit-Z
5		1.01759	-1.0483	-0.0356			78.58
18		0.74121	0.0803	-0.1267	0.4698		13.99
20		0.88755	-1.0889	0.2545	2.4953		82.69
23		0.87205	-1.3339	0.5277			33.91
30		0.65053	-1.0333	0.0830	2.2206		24.89
33		0.57427	-0.6392	0.6018	1.1304		40.24
39		0.66879	-0.6640	0.7821	2.9465		101.50
41		1.05552	-0.2380	2.1131			16.85
43		0.71000	-1.3770	-0.0011	0.6102		48.45
50		1.08985	0.1997	2.5966			102.98
101		0.71592	-0.9866	-1.7774			69.91
108		0.91366	-0.3923	-0.8960			244.33
109		0.91515	-1.1251	0.6987	3.0875		260.53
114		0.86776	-0.4190	-0.7633			32.28

**N=61059 M1=52.3538 M2=590.3867 Critical Z=162.82**

**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	Source		f	g1	g2	g3	g4	Fit-Z
	Part	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
52	1.08564	-1.4271	0.3216	7.96	73	0.69756	-0.4351	0.0844	28.48
53	0.96524	-1.7320	0.2284	13.35	74	0.51297	0.5954	0.2027	7.38
54	0.81390	-2.0561	0.1269	4.61	75	0.58599	-0.2701	0.1392	4.79
55	0.79137	-1.9972	0.2000	1.51	76	0.71037	-1.6914	0.2000	9.00
56	0.60691	-2.9299	0.2000	7.31	77	0.88566	-0.9850	0.2364	3.65
57	0.57216	-2.3330	0.1888	7.13	78	1.14470	-1.1085	0.2724	7.67
58	0.81485	0.4545	0.2209	19.61	79	1.14221	-1.0387	0.2794	10.05
59	0.62052	-2.4878	0.2000	5.26	80	1.11107	-0.9614	0.1865	26.20
60	0.64753	-1.9622	0.2000	2.26	81	0.52606	1.4115	0.2084	29.20
61	1.18330	-2.0093	0.2000	5.34	82	0.60722	-1.9785	0.2000	69.63
62	0.92600	-1.9569	0.1888	44.42	83	1.08624	-0.5007	0.2200	10.20
63	1.13147	-1.5141	0.3708	6.35	84	0.27223	-0.2942	0.2000	47.16
64	0.62284	0.4667	0.1788	15.85	85	1.30683	-1.2139	0.1939	13.26
65	0.56497	-1.2652	0.1888	21.56	86	0.71769	-0.1479	0.1146	9.36
66	0.72810	-2.0178	0.2000	2.81	87	0.73213	-1.1209	0.1106	22.41
67	0.89393	-1.0804	0.1438	6.15	88	1.16233	-1.0851	0.3194	13.67
68	0.50622	-1.5187	0.2000	30.88	89	0.39327	0.9980	0.0528	14.98
70	0.55802	-2.9914	0.2000	7.63	90	0.83773	-0.5743	0.2125	8.78
71	0.74805	-1.6296	0.1237	3.89	91	0.82209	0.8178	0.3664	17.36
72	1.08270	-1.8713	0.2426	23.87	92	0.90708	-0.7413	0.2180	8.31

**N=60869 M1=46.8205 M2=493.7859 Critical Z=162.32****Table 100. Item Parameter and Fit Summary, Constructed-Response Items, Grade 4 Writing**

Item	Part	f	g1	g2	g3	g4	Fit-Z
1		0.86401	-4.5029				1.00
2	A	0.44948	-2.7578				5.73
2	B	0.82971	-0.7903				0.98
2	C	1.16060	-1.7928				13.29
2	D	1.18381	-1.6550				11.87
2	E	1.48341	-3.8001				8.00
2	F	1.51720	-3.1594				10.35
3	A	1.38086	-3.9591	-3.3896	0.6618	2.6868	402.08
3	B	1.54383	-4.9603	-2.7879	0.9765	2.7544	144.08
3	C	1.82104	-5.1819	-2.6611			15.68
69		0.86409	-2.4835	-2.6686	-0.2374	2.5718	137.27
93		0.79227	-1.7889	-1.9488	0.1853	2.7562	325.32
116		0.96589	-2.7031	-2.9015	0.3593	3.1310	85.05

**N=60869 M1=46.8205 M2=493.7859 Critical Z=162.32**

**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	0.59284	-2.8939	0.2000	7.87	34	0.31233	-2.9786	0.2000	12.11
2	0.89269	0.4696	0.3088	12.30	36	0.96630	-1.6694	0.1559	0.86
3	0.95095	-0.3799	0.2588	9.48	38	1.09739	-0.4570	0.0785	4.79
4	1.14004	-0.0414	0.1285	11.64	39	1.22362	0.7979	0.1912	42.58
6	0.58215	-0.2540	0.2820	4.78	40	0.46049	-1.3418	0.1245	1.37
7	0.57986	-3.1543	0.2000	3.03	42	0.57576	-3.3382	0.2000	3.45
8	0.99947	-0.4285	0.2860	3.63	43	0.49826	-0.6912	0.2000	14.35
9	0.99258	-0.5659	0.1923	1.17	44	0.99387	-1.3854	0.1871	2.53
11	0.85388	-1.0193	0.2271	6.66	45	0.50746	-2.2099	0.1613	1.47
12	0.74800	-1.2156	0.1868	7.84	47	1.05379	-0.3696	0.1198	8.03
13	0.20148	-2.7865	0.2000	16.79	48	0.53891	-2.4238	0.2000	5.62
14	1.13220	-0.4339	0.1487	6.07	49	1.06063	-1.1797	0.1517	1.80
16	0.98407	-0.4070	0.3469	2.20	50	0.73720	0.0269	0.1372	2.68
17	0.71361	-0.6369	0.0992	7.62	51	0.58981	-2.4584	0.2000	3.14
19	0.84588	-2.0181	0.1795	2.63	53	0.92859	-0.1370	0.1608	2.29
20	0.94607	-0.2615	0.2126	9.27	54	0.85986	-1.1696	0.2666	3.11
21	0.66416	-1.3100	0.0947	3.00	55	0.79951	-1.4017	0.2088	1.44
22	0.69467	-2.5626	0.2000	13.36	57	0.66973	-2.3479	0.1327	1.52
24	0.78618	-0.8102	0.0706	2.24	58	1.04054	-1.4315	0.2328	5.94
25	0.91931	-0.6216	0.1760	81.35	59	0.68804	-0.8522	0.2112	1.23
26	0.69582	-2.7830	0.2000	21.51	61	0.77288	-0.7241	0.3492	1.42
28	0.93310	-0.8836	0.1678	3.32	62	0.69429	-0.9020	0.1112	2.68
29	0.76346	-0.7600	0.0979	5.68	64	1.16415	-0.7235	0.0881	5.32
30	0.50136	-2.7157	0.2000	7.78	65	0.81542	-0.5812	0.1810	-0.03
31	0.74381	-1.6381	0.1760	11.63	66	0.63494	-2.1754	0.2960	5.98
32	1.04048	-1.1053	0.1417	0.30	67	1.02480	-0.9174	0.1979	5.97
33	0.43959	-2.4060	0.2000	1.66	68	1.28267	-0.6038	0.2860	3.44

**N=55651 M1=63.9105 M2=510.1578 Critical Z=148.40**

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

Item	Part	f	g1	g2	g3	g4	Fit-Z
5		0.77614	0.1737	-0.3009			54.31
10		0.63770	-2.3666	-1.9873	-1.5985		14.33
15		1.07428	-1.3341	-0.1768			206.85
18		0.74384	-1.9981	-1.0673	-0.2449		7.68
23		0.96883	-2.9006	-0.0970	0.2350	1.0434	29.13
27		0.63714	-1.5995	-0.8796			59.63
35		1.09241	-0.5558	0.2189	2.2601		57.80
37		1.33639	-1.8373	-2.2535			62.87
41		0.58943	-1.3736	-0.6456	-1.9766		40.52
46		0.48617	-0.4451	-0.7510	0.5181	-2.1737	83.13
52		0.65411	-2.0328	1.0651			25.35
56		0.75152	-1.3754	-0.7885	-0.1144		4.00
60		1.00767	-1.0207	-1.7776			6.82
63		0.66101	-0.8530	0.0297	-0.0906		37.57
69		0.78485	-1.4585	-1.0097	-0.2939	0.3686	33.35

**N=55651 M1=63.9105 M2=510.1578 Critical Z=148.40**



**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
4	0.57598	0.0134	0.1818	68.44	41	0.95925	-0.3216	0.0857	18.46
5	0.59103	-0.5445	0.1818	113.65	42	0.46751	0.8348	0.1449	21.35
6	0.94803	-1.5082	0.3251	36.16	44	0.30566	1.2583	0.0738	9.37
7	1.02728	-0.0921	0.2234	8.44	45	0.67080	-1.0609	0.1408	8.48
9	0.56501	0.0151	0.1952	3.55	46	0.80361	-0.9148	0.1938	1.67
10	0.84023	0.7592	0.3576	52.17	47	1.13007	-1.1661	0.1971	2.93
11	0.41481	1.1591	0.3584	4.60	48	0.53930	0.1447	0.1735	6.63
12	0.39835	-0.8727	0.2000	29.04	49	0.78338	0.2632	0.1739	9.00
13	0.39877	0.1650	0.1818	7.12	50	0.98482	0.3829	0.3457	7.91
15	0.63263	-1.1676	0.2000	35.18	52	1.01254	0.6088	0.1581	13.25
16	1.02381	-1.4425	0.1834	10.90	53	1.08834	0.3540	0.3046	10.92
17	0.78095	-1.1631	0.1102	33.54	54	0.79540	-0.7871	0.0932	24.93
18	0.76081	-0.1096	0.2714	11.08	99	1.02063	-2.1662	0.0864	20.80
19	0.79123	-1.1062	0.2000	7.22	100	0.18151	2.3217	0.2000	15.86
20	0.85469	-1.3245	0.2000	11.22	101	0.38363	-2.0540	0.0000	26.25
21	0.83795	-0.4137	0.1762	10.24	102	0.55162	-1.0231	0.1818	31.50
23	1.21389	-1.0197	0.2569	4.10	103	0.87947	-0.5174	0.3216	9.75
25	1.19079	-1.7501	0.2090	6.39	104	0.57795	-0.6252	0.1879	6.63
26	1.18726	-0.8454	0.2690	3.60	105	0.74487	0.9796	0.1926	5.04
30	0.63944	-1.0316	0.2000	6.49	106	0.43559	-1.0623	0.2000	13.13
32	1.42841	0.3644	0.2717	23.30	107	0.65630	-2.2519	0.2000	41.91
33	0.60671	0.1311	0.2604	2.79	108	0.54635	-1.1348	0.2000	89.80
34	0.65785	-1.4222	0.2000	9.86	109	0.72645	-1.6708	0.0716	2.38
35	0.49309	-1.2087	0.2000	1.88	110	0.52482	-0.8286	0.2000	19.35
37	1.16150	-1.3981	0.0954	0.96	111	0.70467	-1.5923	0.0874	11.46
38	0.77602	-1.3369	0.2000	8.48	112	0.68426	-0.5544	0.2000	16.30
39	0.47945	-1.5885	0.2000	27.09	114	0.54401	-1.6605	0.2000	1.14
40	0.88887	-1.2504	0.2000	38.72	115	0.73928	-1.6563	0.1360	4.73

**N=60152 M1=56.0459 M2=623.3600 Critical Z=160.41**

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

Item	Part	f	g1	g2	g3	g4	Fit-Z
8		1.00310	-0.6264	0.5460	1.5744		52.84
14		0.96550	-0.8769	1.1887			19.91
22		0.97619	-0.8994	1.4032			5.76
24		0.63340	-1.5430	-0.3403	0.1549		24.03
27		0.72119	-0.5787	0.0037	0.2392		256.93
28		0.99808	-0.8314	-0.4969			14.53
29		0.96223	0.6949	-1.3713			115.82
31		0.39569	1.2000	-1.3525	-0.1706		45.95
36		1.05310	-0.8081	0.4394	1.4635		77.41
43		0.38247	-0.1674	2.1756	-0.2264		67.75
51		0.75230	0.2563	-0.2843	-0.4988		18.01
97		1.11074	0.3063	-2.1409			40.12
98		0.91287	-1.2424	-0.6432			70.56
113		0.84838	-0.9768	2.1691			69.72

**N=60152 M1=56.0459 M2=623.3600 Critical Z=160.41**

**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
55	0.15731	1.1729	0.2000	3.58	76	0.52128	-2.8057	0.2000	8.94
56	0.93550	-1.2401	0.3715	13.21	77	0.71061	-1.6854	0.0665	39.41
57	0.66321	0.3352	0.1748	2.94	78	1.14376	-0.9971	0.2104	15.55
58	1.19120	-1.8920	0.2967	11.10	79	0.68902	-0.6147	0.2000	32.85
59	0.92872	-1.4926	0.2633	4.14	80	1.07356	-1.5829	0.3066	2.91
60	0.55824	-1.5305	0.0985	1.12	81	0.86315	-0.0077	0.3191	13.06
61	1.18287	-1.7338	0.2305	5.68	82	1.00287	-0.5832	0.1793	10.30
62	0.75922	-1.7911	0.0710	9.59	83	1.04935	-0.9479	0.1672	17.34
63	0.73242	-1.7664	0.2000	3.36	84	0.88115	-0.3079	0.2563	4.98
64	1.10002	-1.3008	0.2488	9.71	85	1.04427	-1.7473	0.1137	1.71
66	0.64635	-0.9356	0.0581	25.52	86	0.87478	-0.6665	0.1850	5.30
67	0.75863	-1.2391	0.2000	16.81	87	1.13413	-0.7783	0.2710	11.74
68	0.85053	-1.5468	0.2000	5.02	88	0.43723	-2.3862	0.2000	30.37
69	0.91380	-0.8435	0.2179	3.81	89	0.53862	-0.7190	0.0547	41.39
70	0.97252	-1.6302	0.2191	2.79	90	0.35934	-0.0538	0.1135	20.52
71	0.75465	-1.1941	0.1211	13.30	91	0.79353	0.6729	0.2806	22.47
72	0.51975	0.3401	0.2000	16.46	92	0.40921	0.6463	0.1128	5.87
73	0.70119	-1.6350	0.1810	42.07	93	0.70011	-1.6405	0.0664	67.75
74	0.47718	0.5610	0.1327	0.33	94	1.19095	-1.1290	0.2109	9.99
75	0.71003	-1.0452	0.1118	14.12	95	1.28201	-1.2742	0.2743	21.31

**N=59922 M1=48.8958 M2=512.7871 Critical Z=159.79****Table 108. Item Parameter and Fit Summary, Constructed-Response Items, Grade 5 Writing**

Item	Part	f	g1	g2	g3	g4	Fit-Z
1		0.92511	-5.0917				7.53
2	A	0.94601	-1.5705				4.81
2	B	1.05857	-2.7223				10.01
2	C	1.38767	-3.6455				16.64
2	D	1.12095	-0.2110				7.23
2	E	1.08111	0.4271				10.84
2	F	1.31043	-1.1848				3.11
3	A	1.14615	-2.2276	-3.3839	-0.3189	1.5944	1173.70
3	B	1.40875	-5.7935	-3.2241	-0.1385	1.7701	85.30
3	C	1.70222	-5.5217	-3.0607			16.35
65		0.79137	-2.4704	-2.9171	-0.6605	1.4719	116.88
96		0.82548	-1.4593	-2.7147	-0.6532	1.6857	281.74
116		1.03201	-3.3658	-3.5300	-0.3292	3.2586	46.16

**N=59922 M1=48.8958 M2=512.7871 Critical Z=159.79**

**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	0.52738	-2.2491	0.2000	69.50	36	0.64029	-1.3257	0.2000	5.47
2	1.41812	0.7708	0.2156	8.57	37	0.92033	0.2444	0.2234	11.19
4	1.22898	-0.0467	0.1490	11.80	38	1.14451	-0.7101	0.2096	0.34
5	0.84814	-1.8955	0.2000	30.50	39	0.97133	-2.6343	0.2000	18.91
6	1.34084	-1.2591	0.2798	3.19	40	0.83212	-0.9948	0.1066	0.65
8	1.18016	0.9588	0.2033	5.09	42	0.45282	-0.7178	0.1261	10.43
9	0.92232	-1.3013	0.2648	1.09	43	1.00528	-0.1233	0.1056	2.78
10	0.83536	-0.2632	0.1352	15.61	44	1.03274	-1.4288	0.1871	1.09
11	1.03166	-1.2932	0.3545	2.82	45	0.98678	-0.4418	0.0623	61.57
12	0.89211	-0.8679	0.1657	2.18	47	1.00113	-0.9662	0.2394	-0.34
13	0.93826	-0.8230	0.0984	10.65	48	0.69031	-1.8722	0.2000	-0.25
14	0.72217	-2.0918	0.2550	8.32	49	0.77509	-0.6507	0.0978	5.55
16	0.47462	-0.1791	0.0895	0.00	51	0.76727	-0.1378	0.1441	1.86
18	0.58595	-2.4357	0.2000	37.98	52	0.53705	-2.8166	0.2000	3.23
19	0.86870	0.6716	0.0889	6.49	53	1.42445	1.2157	0.1821	74.85
20	0.83655	-1.4618	0.1336	2.51	54	1.26508	1.9005	0.4742	1.59
21	0.68432	-1.7159	0.0965	1.22	56	0.92616	-0.2896	0.1791	21.39
22	1.30866	-1.8555	0.3032	8.74	57	0.70130	0.7631	0.2346	4.03
24	0.96495	-0.2650	0.2737	7.56	58	1.07481	-0.3635	0.2109	2.70
25	0.51534	0.3011	0.1383	5.80	59	0.74614	-1.1850	0.1270	4.76
26	1.10133	-1.1108	0.1039	9.40	61	0.97097	-0.7398	0.0728	27.70
27	1.17529	0.3498	0.2250	4.87	62	0.74414	-0.6722	0.2572	9.07
29	0.64780	-0.5737	0.1788	1.16	63	0.58561	-2.2981	0.2000	34.53
30	0.42897	1.3351	0.0587	6.66	65	0.73244	-1.1920	0.2000	2.42
32	1.02141	-0.4113	0.1986	3.02	66	0.62653	0.2817	0.1958	0.98
33	0.51641	-2.5245	0.2000	5.69	67	1.15413	1.8491	0.3355	15.01
35	0.50909	-1.2790	0.2014	5.05	68	0.90566	-0.5082	0.1563	9.81

**N=55967 M1=66.4352 M2=533.3386 Critical Z=149.25**

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

Item	Part	f	g1	g2	g3	g4	Fit-Z
3		0.66232	0.0572	-0.8295			65.44
7		0.71327	-4.5975	1.3645	-0.0173		69.78
15		1.02672	-1.3218	-1.4859			31.60
17		0.86974	-2.5133	-1.0989	0.0047		87.54
23		0.43747	-0.3345	-0.8775	0.8285	-2.5731	105.33
28		1.17213	-0.8292	-1.1420			7.38
31		0.53249	-0.7719	-0.7018	-0.9472		28.56
34		0.86546	-0.9162	0.4900			27.96
41		0.66507	-0.9694	0.1091	-0.2139		55.06
46		0.67142	0.7856	-0.5662	-0.4085	0.9295	50.99
50		1.15876	0.5942	-0.6206			19.90
55		0.73978	-1.7613	-1.1743	-0.5244		6.19
60		1.04062	-0.6637	0.2586			87.71
64		0.86618	-1.8296	-0.7864	0.4369		12.03
69		0.84644	-2.9013	-1.1113	-0.9610	1.6510	123.14

**N=55967 M1=66.4352 M2=533.3386 Critical Z=149.25**

**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	0.47357	-2.1075	0.2000	15.95	39	0.87899	-1.0123	0.3490	6.05
2	0.24335	-4.4836	0.2000	29.60	40	0.60903	-0.9957	0.2000	7.92
3	0.43238	-1.8259	0.2000	12.81	42	0.70577	-1.2327	0.2000	4.55
4	0.77142	0.0076	0.4383	9.04	43	0.56112	-0.3181	0.0600	4.45
5	0.85828	0.5546	0.2263	4.80	44	0.71865	-0.8557	0.1202	0.63
7	0.74008	0.1588	0.2883	10.29	46	0.82724	-0.4910	0.1522	1.28
8	0.66425	0.4967	0.2629	3.23	47	1.26703	-0.8046	0.2400	5.31
9	0.42200	-1.7678	0.2000	32.58	49	1.13590	-0.0307	0.2772	5.28
10	0.66888	-0.5980	0.0431	22.22	50	0.46157	-0.6633	0.2000	35.47
11	1.08199	-1.2197	0.1547	3.55	51	0.57639	-1.5301	0.2000	14.87
12	0.57584	-0.0823	0.4945	4.39	52	0.75930	-1.4269	0.1435	4.05
13	1.12641	1.0129	0.0987	119.65	53	0.92146	-1.5583	0.2318	4.74
14	0.47836	-0.9983	0.2000	6.12	55	0.92520	0.3363	0.3098	4.79
15	0.60999	-0.2379	0.1848	4.01	56	0.70568	1.8653	0.1334	5.61
16	1.01042	-0.8520	0.1955	1.84	58	0.61948	0.3587	0.2881	15.99
17	0.72452	-2.5301	0.2000	31.52	59	0.39410	1.5187	0.1878	0.04
18	0.95324	0.4108	0.1118	8.95	60	1.17915	0.7088	0.2473	8.15
19	0.60315	-0.6759	0.2604	7.75	62	0.61316	-0.7716	0.0601	0.74
20	0.81313	0.6280	0.3125	8.27	63	0.76388	-1.4850	0.3220	7.96
26	1.51923	2.2281	0.2000	505.91	64	0.81182	-0.1595	0.1633	6.44
27	0.40563	-1.6562	0.2000	2.60	65	0.53395	-0.4480	0.1178	2.63
28	0.68093	0.1382	0.3271	11.75	66	0.71658	-0.5439	0.2086	28.83
29	0.38942	-0.3208	0.0938	1.09	67	1.13556	0.6607	0.2617	15.01
30	0.48005	-0.3023	0.0679	1.59	69	1.07282	1.4282	0.2008	9.81
32	0.66370	0.2833	0.1922	6.08	70	0.52666	-0.3633	0.2662	7.02
33	0.61056	-2.3640	0.2000	13.12	71	1.02811	-0.4368	0.3960	13.93
35	0.62670	1.0016	0.1553	5.96	72	0.52884	-0.6735	0.2000	36.24
36	1.07064	1.5577	0.1296	31.46	74	0.55219	0.0855	0.2050	40.31
38	0.60621	-1.1885	0.2000	4.00	39	0.87899	-1.0123	0.3490	6.05

**N=56064 M1=57.5293 M2=509.2952 Critical Z=149.50**

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

Item	Part	f	g1	g2	g3	g4	Fit-Z
6		0.60006	0.2055	1.3197			8.27
21		1.21880	0.5051				53.88
22		1.17449	-0.8706				9.76
23		0.60296	-0.5215	0.7875			72.47
24		0.95143	-0.1284				0.44
25		0.52759	-0.0844	-1.2459			19.62
31		0.98880	0.7766	1.7621			57.23
34		0.94221	-0.5759				23.37
37		0.87490	0.3738	0.6333			80.15
41		0.69677	-0.6102	0.5028			58.44
45		0.85021	-0.7607	0.8456			32.65
48		1.21129	-1.2546	3.2936			25.52
54		0.77247	-0.9598	-0.9558			32.69
57		0.73128	-2.7600	-0.6888			9.24
61		0.89265	-0.7901				0.89
68		0.73491	-0.3509	0.3117			29.29
73		0.56023	-0.5614	1.8604			248.03
75		0.65720	0.2376	1.4441			3.75

**N=56064 M1=57.5293 M2=509.2952 Critical Z=149.50**

**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
4	0.54913	-2.8924	0.2000	27.25	42	0.56084	-1.3622	0.3164	8.97
5	0.67516	-2.3535	0.1318	7.52	43	0.87188	-1.7270	0.0650	58.80
6	0.61095	-2.2164	0.1136	30.01	44	0.94140	-1.3886	0.1914	1.32
7	0.80956	0.0971	0.3760	12.98	46	0.86683	-0.5156	0.3797	6.42
9	0.72314	1.4234	0.1207	12.76	47	0.93080	0.1701	0.3054	4.15
10	0.41237	-0.4300	0.2000	5.22	48	0.68544	0.2445	0.2122	7.13
13	1.32823	0.2498	0.1895	18.12	49	0.57972	-1.2204	0.1828	47.47
14	0.81554	0.9681	0.2617	18.29	50	0.81024	0.1379	0.1790	11.88
15	0.87774	-1.0351	0.2435	12.91	51	0.96710	0.2914	0.2638	6.97
16	0.80385	1.0086	0.1146	32.47	52	0.97084	-0.1507	0.2110	38.01
19	1.13109	0.5205	0.2563	22.29	54	0.87465	-0.0010	0.3425	6.78
20	0.89336	0.0014	0.1864	4.60	55	1.40160	-0.3916	0.2585	7.57
21	0.88777	-0.7579	0.1746	8.13	56	1.19855	-0.2855	0.1960	19.29
22	0.65202	-1.3492	0.1828	35.36	100	0.79535	0.6687	0.2328	6.11
23	0.82956	-2.0652	0.0886	7.30	101	0.60632	-0.1984	0.1828	42.89
25	1.03245	-0.7780	0.2494	13.83	102	0.91952	-0.9910	0.2133	1.13
26	0.71778	-1.0179	0.1688	11.30	103	0.81794	-1.8704	0.1500	5.50
27	0.75294	-1.0353	0.2823	-0.71	104	0.26451	-0.5993	0.2000	2.54
28	0.64036	-0.1611	0.0842	36.94	105	0.64883	-1.3301	0.0673	5.57
30	1.21125	-0.2062	0.0965	11.93	106	0.67870	0.9159	0.2804	2.62
31	0.89834	-1.6074	0.2240	4.77	107	0.70664	-0.0372	0.1982	1.09
33	0.52358	-1.6010	0.2000	2.67	109	0.79247	-0.4739	0.1791	9.41
35	1.32878	0.0793	0.2826	13.38	110	1.05554	-2.1766	0.1516	12.49
36	0.60354	-0.4421	0.2209	4.67	111	0.66179	-1.6928	0.1828	60.83
37	0.80299	-1.6381	0.2000	10.69	113	0.82580	-1.6546	0.2099	10.93
38	0.47772	-1.2834	0.2000	4.91	114	1.32246	-1.6966	0.1689	18.18
40	1.31809	-1.6615	0.0939	3.99	115	1.12487	-2.0335	0.0783	15.49
41	0.79935	-1.8202	0.1349	14.09					

**N=57526 M1=55.2051 M2=635.6268 Critical Z=153.40**



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

Item	Part	f	g1	g2	g3	g4	Fit-Z
8		0.65520	0.4191	1.3232			78.13
11		0.50907	-0.2875	-1.2933	-0.6534		8.27
12		0.74515	0.2640	0.6251			10.76
17		0.50717	0.0582	-0.2264	0.3514		48.87
18		0.60710	0.9345	-2.1702	-0.3699		153.27
24		1.05772	-1.3743	0.5513			29.41
29		0.96274	-0.0027	0.0539			7.70
32		0.91913	0.5407	-1.7252			116.19
34		0.35414	1.3087	-1.3662	-0.4608		32.05
39		0.93300	-0.9484	0.1959	1.1552		61.34
45		0.70267	0.1004	0.3179			56.48
53		0.89254	0.1326	2.0373	1.9187		105.28
99		0.91864	-1.0565	0.4560			34.98
112		0.78925	-1.7369	0.1375	3.5489		23.66

**N=57526 M1=55.2051 M2=635.6268 Critical Z=153.40**

**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
57	0.43844	-2.7800	0.2000	8.82	77	0.30481	0.5582	0.2000	15.65
58	0.79560	-1.7458	0.1916	1.00	78	0.54126	-0.2101	0.2000	5.11
59	0.85392	-1.4760	0.2000	2.35	79	1.05153	-0.9090	0.2079	6.17
60	1.21335	-0.4205	0.1511	9.77	81	0.49387	-0.0011	0.0858	2.95
61	0.52427	-1.3601	0.2000	51.49	82	0.81860	-0.6813	0.0918	9.03
62	0.84219	-1.6753	0.2000	2.23	83	0.91745	-0.8977	0.1229	12.93
63	1.06363	-1.7144	0.1778	6.32	84	0.53445	-0.0164	0.2000	44.67
64	0.60618	0.3082	0.2431	3.72	85	1.04596	-1.0587	0.2171	3.97
65	1.14419	-1.3690	0.2367	8.25	86	0.61311	-0.6635	0.0835	20.95
66	0.75227	-1.7460	0.2000	2.09	87	1.15495	-0.9817	0.2264	8.79
67	1.03874	-1.3207	0.1526	4.64	88	1.33611	-0.8328	0.2527	34.09
68	0.76373	-0.6286	0.1769	6.00	89	0.46405	-0.1972	0.0839	18.03
69	1.21729	-1.1262	0.2105	4.27	90	0.58184	0.6198	0.2171	39.21
70	0.61483	-0.7028	0.2000	50.17	91	0.62403	-0.0031	0.1358	5.79
71	1.11092	-0.5945	0.2641	6.85	92	1.16022	-0.6503	0.2151	19.17
72	0.89009	-0.5632	0.3809	16.32	93	0.70410	-0.6478	0.1243	9.70
73	0.87777	1.7915	0.3219	5.81	94	1.23588	-0.7914	0.2222	26.51
74	0.88263	-0.6747	0.1747	9.83	95	0.83613	-1.0771	0.1242	6.04
75	0.61815	0.5576	0.1247	5.07	96	0.68275	-0.0813	0.1755	12.70
76	0.59594	0.1846	0.1837	2.32	97	1.14380	-0.4995	0.2429	16.69

**N=57375 M1=54.4834 M2=529.7433 Critical Z=153.00****Table 116. Item Parameter and Fit Summary, Constructed-Response Items, Grade 6 Writing**

Item	Part	f	g1	g2	g3	g4	Fit-Z
1		0.98750	-5.3385				0.86
2	A	0.84457	-1.1454				4.64
2	B	1.11140	-0.7255				6.67
2	C	1.04590	-3.7149				1.79
2	D	1.09540	-1.4868				14.56
2	E	0.74855	0.2841				17.63
2	F	1.24287	-2.3547				30.74
3	A	1.37930	-4.2104	-3.9062	-0.3811	2.1363	169.18
3	B	1.39924	-5.4148	-3.2802	-0.2187	2.0718	68.68
3	C	1.56754	-5.2490	-3.1986			17.57
80		0.85970	-2.5613	-2.9589	-0.3436	2.0467	76.53
98		0.85705	-1.3244	-2.8837	-0.6369	1.8878	362.90
116		1.03791	-3.5236	-2.8710	-0.5474	1.6083	50.67

**N=57375 M1=54.4834 M2=529.7433 Critical Z=153.00**

**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	0.79640	-0.4928	0.1386	4.73	32	0.90075	1.1476	0.1171	22.90
2	0.73496	-2.3720	0.1636	11.83	34	1.19278	0.7908	0.1741	15.93
3	1.15974	0.1471	0.2744	10.51	35	0.46268	-1.2594	0.1636	19.88
5	0.69472	-1.6473	0.2000	36.43	36	0.73361	-0.5120	0.1696	4.19
7	0.48323	-0.7047	0.1276	2.41	37	0.74804	-1.1568	0.3155	5.83
8	0.79382	-0.3112	0.4992	16.58	38	1.28493	-0.4373	0.3316	2.73
9	0.64621	-0.3830	0.2640	0.46	39	0.68937	-1.0258	0.1636	40.47
11	0.73878	0.2789	0.1921	20.38	41	0.59204	0.1904	0.2200	4.02
12	1.14461	0.8394	0.1708	20.16	42	0.69295	-0.3957	0.0618	24.97
13	0.71252	-0.2222	0.0563	4.09	43	0.72228	-0.4254	0.1325	0.67
14	0.54451	-0.3813	0.1636	25.68	45	1.25908	-0.1942	0.0581	20.28
16	1.26413	0.5422	0.2147	6.25	46	0.85553	-0.8513	0.0651	11.13
17	0.72061	-1.6320	0.1525	2.86	48	0.57577	-0.1099	0.1230	3.93
18	1.52117	-0.2349	0.2194	5.40	49	0.67685	0.2978	0.1845	2.93
19	0.88061	-1.3212	0.0623	15.48	50	0.91196	-0.0279	0.0826	0.31
21	0.51261	-0.7222	0.1636	32.63	51	0.88317	-0.6793	0.1647	16.95
22	1.45579	-0.3940	0.4959	5.23	52	1.05166	0.1395	0.1824	4.95
24	0.74184	-1.3867	0.4143	10.95	54	1.17244	1.1817	0.1412	52.42
26	0.75255	-1.9057	0.1636	22.29	55	1.25977	0.2410	0.1225	21.90
27	0.79567	-0.5676	0.1060	23.06	56	0.65150	-1.7012	0.1409	-0.29
28	0.66858	0.6832	0.2514	0.99	57	0.56825	0.5039	0.1898	3.15
29	1.18561	-0.6135	0.1003	3.12	59	0.87176	0.6920	0.4211	2.77
31	0.44691	-1.5511	0.0768	2.06					

**N=56727 M1=62.9527 M2=558.0731 Critical Z=151.27**

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

Item	Part	f	g1	g2	g3	g4	Fit-Z
4		0.78346	-3.9332	-1.5736			12.00
6		0.74825	-5.1363	1.1693	-0.6992		79.83
10		0.82677	-1.5392	0.8651			150.35
15		1.11008	-1.1777	-0.5554	1.4546		226.77
20		0.76353	-1.5687	-0.6759	0.2079	1.3341	8.96
23		0.90702	-1.4911	0.0994			100.25
25		1.35521	-0.3458	1.2815	2.2007		20.06
30		0.90202	-0.5792	-1.7815			34.66
33		0.51165	-1.0170	-0.8151	-1.2502		42.07
40		0.80329	-1.5736	0.8945	1.5303	0.6692	366.81
44		0.81095	-2.6555	-0.1108			33.95
47		0.80694	-0.6128	-0.6153	-0.2181		46.03
53		1.00258	0.4872	0.6497			58.87
58		0.49788	-1.4868	-1.1646	-0.0326		25.70
60		1.31859	-1.7627	-0.6057	1.7790	0.2276	137.81

**N=56727 M1=62.9527 M2=558.0731 Critical Z=151.27**

**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
6	0.78625	0.7237	0.2754	6.89	40	0.75784	-1.7590	0.1349	3.00
7	1.09723	0.4996	0.1723	20.79	42	0.46383	-0.6191	0.0798	18.76
8	1.24115	-0.0665	0.1770	10.97	43	0.92330	-0.8995	0.3189	6.46
9	0.81502	-1.4419	0.2785	9.45	44	0.87789	-1.4807	0.2000	-0.32
10	0.82186	-1.4665	0.2376	3.08	45	1.01539	-0.7298	0.2269	4.37
11	0.72271	0.8242	0.1084	26.69	46	0.82768	-1.6810	0.1107	2.24
14	0.45717	-1.3141	0.2000	1.36	48	1.18074	0.3931	0.3588	5.85
15	0.95458	-1.1127	0.2557	8.85	49	1.22742	1.2080	0.2782	46.64
16	1.19823	-1.8004	0.1808	3.24	50	1.45533	0.7258	0.1622	33.80
17	1.03116	-1.7313	0.1894	6.36	51	1.29026	-0.8142	0.2267	6.86
20	1.24219	-0.5791	0.2918	6.11	52	1.03970	0.5446	0.2359	18.56
21	0.41607	0.0633	0.2000	41.04	53	0.52862	0.7024	0.2490	3.45
22	0.50780	-0.9794	0.0673	9.79	96	1.40612	-0.3819	0.2168	9.20
23	0.14791	1.5082	0.2000	13.26	100	1.16905	-0.9035	0.1669	7.18
25	0.86264	1.2654	0.1710	11.83	101	0.80906	-1.7440	0.0817	17.45
26	0.88049	-1.1776	0.1799	18.52	102	1.17942	-1.0632	0.2149	3.33
27	0.39769	-0.3114	0.0705	10.64	103	0.68003	0.2605	0.1147	6.19
28	0.59310	0.2489	0.2257	2.32	104	1.44224	-1.8040	0.1622	12.32
29	0.68827	-1.1625	0.2685	13.21	105	0.52643	-1.4313	0.0902	1.39
30	0.42944	-2.3905	0.1432	12.28	106	0.62319	-1.9222	0.1034	14.93
31	0.74582	-0.0742	0.2093	10.49	107	0.91307	-0.3276	0.2653	8.22
32	0.65461	-0.5363	0.0925	0.86	108	0.31365	0.1872	0.2000	55.74
33	0.90620	-0.1570	0.2906	7.86	109	0.83447	-1.3311	0.0366	3.23
34	0.60973	-1.4962	0.0698	13.66	110	0.92687	-0.4931	0.1843	25.21
36	0.51000	-1.1437	0.2000	27.44	111	0.73296	-0.0048	0.1590	13.67
37	1.15260	-1.0192	0.2432	7.05	112	0.60693	-1.7371	0.0833	1.62
38	0.90340	-1.2838	0.1427	7.47	114	0.58881	0.5802	0.2410	9.13
39	0.98877	-0.6312	0.2566	1.57	115	0.76073	-1.4539	0.1769	83.02

**N=56426 M1=56.4483 M2=646.8577 Critical Z=150.47**

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

Item	Part	f	g1	g2	g3	g4	Fit-Z
4		0.51084	-0.3458	-1.3026	-0.8321		5.12
5		0.71563	0.0085	0.4853			12.57
12		0.77268	-0.6802	-0.7959	-0.5193		24.86
13		0.53060	-1.2455	-0.7757			139.20
18		0.71795	-0.7993	-0.6924			46.91
19		0.83176	-0.8109	-1.4855	1.3583		24.46
24		0.84294	-2.4651	0.3634	1.1243	1.8671	69.83
35		0.62972	-0.6172	1.6376	1.5991		63.34
41		0.66870	0.2267	1.6918			5.36
47		0.99571	-0.2832	-1.2483			96.75
97		1.10598	-1.5074	0.4271			40.21
98		0.90658	-1.0096	1.4314			34.23
99		0.65663	-0.2277	0.4630	-0.4953		151.38
113		1.53394	-0.9363	0.7794			12.01

**N=56426 M1=56.4483 M2=646.8577 Critical Z=150.47**

**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
54	0.58517	-1.2399	0.2000	6.62	75	0.86060	-0.8645	0.2947	8.06
55	0.90737	0.2932	0.1231	4.79	76	1.11698	1.5471	0.2201	24.90
56	1.18662	-2.1248	0.2000	6.67	77	0.37817	-0.9350	0.2000	5.89
57	0.67264	-1.3318	0.1021	5.71	78	0.69970	0.1076	0.2502	6.23
58	0.72586	-1.5055	0.0885	6.36	79	0.91621	0.6735	0.2554	7.60
59	0.94293	-1.0085	0.2269	6.39	80	0.71638	1.1823	0.3047	7.81
60	1.03838	-0.3510	0.2334	3.39	81	0.81225	1.3713	0.2011	22.85
61	0.93929	-0.9504	0.2605	5.80	82	0.69875	-0.2138	0.1924	2.05
62	0.75358	-1.6171	0.2000	3.20	83	0.87679	1.7590	0.1756	88.27
63	0.75919	-0.9098	0.2000	19.60	84	1.36422	-0.4006	0.2831	16.42
64	0.93378	-1.7429	0.0988	3.52	85	1.23118	-1.0689	0.2383	3.71
65	0.64597	-1.0836	0.0696	8.06	86	1.39103	-0.9336	0.1929	7.55
66	0.63435	0.2107	0.1012	4.30	87	0.73813	1.0481	0.1401	4.62
67	1.38561	-1.2936	0.2726	35.14	88	0.92790	-0.4802	0.1557	1.64
68	0.35181	-0.4911	0.2000	49.94	89	1.37879	-0.5177	0.2709	14.18
69	1.01693	-0.6994	0.1378	32.63	90	0.97837	-0.6555	0.1199	9.70
70	0.41226	0.2209	0.2000	37.07	91	1.36181	-1.3427	0.2984	7.50
71	1.13911	-0.6671	0.2870	5.12	92	1.06719	-0.7989	0.1388	5.93
73	0.59930	1.8038	0.4995	28.66	93	1.71749	-0.3423	0.1680	40.78
74	0.38615	-0.9262	0.1252	0.86	94	0.64150	0.4145	0.2102	48.25

**N=56310 M1=60.9403 M2=554.4895 Critical Z=150.16****Table 122. Item Parameter and Fit Summary, Constructed-Response Items, Grade 7 Writing**

Item	Part	f	g1	g2	g3	g4	Fit-Z
1		1.17400	-5.7291				3.44
2	A	1.17627	-2.8405				13.42
2	B	1.06385	-2.1560				23.74
2	C	0.88831	0.2877				29.69
2	D	0.89315	1.7327				7.30
2	E	1.46765	-2.5087				13.51
2	F	0.78774	0.4677				128.42
3	A	1.16679	-2.5249	-3.1419	0.1327	2.0055	189.01
3	B	1.30249	-5.5464	-3.1884	0.1470	2.1631	60.56
3	C	1.56147	-6.2741	-3.0474			18.58
72		0.93309	-2.6522	-3.1235	-0.2913	2.1732	119.06
95		0.83715	-1.7854	-2.5239	0.1016	2.3016	199.63
116		0.88174	-2.5198	-2.7013	0.0787	2.3000	81.10

**N=56310 M1=60.9403 M2=554.4895 Critical Z=150.16**

**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	0.56278	-0.3351	0.2107	1.60	32	0.72728	0.3283	0.0546	30.04
2	1.07033	-0.4420	0.1823	5.34	33	1.61397	-0.2256	0.4574	5.84
4	0.84838	-0.2726	0.1623	9.69	35	0.83134	0.4053	0.1116	7.81
5	0.99233	2.5347	0.2000	293.69	36	1.88235	1.0596	0.2191	166.85
6	0.78457	0.0366	0.1295	-0.33	37	1.04931	-0.9008	0.2136	3.58
8	0.66792	0.9831	0.2174	10.42	38	1.04718	0.0373	0.2117	5.71
9	1.13460	1.6595	0.1189	8.64	39	1.49435	0.7140	0.1147	29.49
10	0.75290	1.4451	0.2864	5.48	41	0.73718	0.8727	0.3791	19.42
11	0.98546	0.0447	0.1295	4.93	42	0.71358	-0.6597	0.1865	40.81
13	0.83163	-0.9843	0.1865	42.61	44	1.02453	0.1808	0.1812	3.55
14	0.49440	1.6683	0.2821	2.94	45	0.85820	0.1710	0.1792	-0.47
16	0.23116	-0.3753	0.2000	6.01	46	0.39016	-0.5541	0.2265	4.76
17	1.42191	0.5861	0.2492	54.35	48	0.65070	-1.6254	0.2000	5.67
18	0.58888	1.1911	0.0724	14.52	49	1.13628	-0.0096	0.2025	7.89
19	0.58902	-2.2720	0.2000	16.63	50	1.26074	0.3937	0.1742	72.88
21	0.68894	1.0855	0.2230	2.48	52	0.74300	0.8169	0.3064	1.60
22	0.49776	0.9615	0.2547	32.57	53	0.58066	0.5534	0.2132	3.56
24	1.26299	0.0110	0.2649	12.53	54	1.25954	-0.1718	0.0708	58.72
25	0.83217	0.8611	0.0872	9.81	55	0.82019	-0.2772	0.1415	11.24
27	1.12483	-0.8633	0.2779	4.68	57	0.64206	1.1999	0.0840	3.08
28	0.82835	1.6425	0.1762	3.63	58	0.99875	-0.2679	0.1329	5.97
29	0.69209	0.1150	0.1795	3.53	59	0.59539	0.9000	0.2416	-0.48
31	0.76281	-2.3620	0.2000	24.28					

**N=56716 M1=60.5544 M2=569.3420 Critical Z=151.24**



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

Item	Part	f	g1	g2	g3	g4	Fit-Z
3		0.11615	1.3712	0.9288			97.06
7		1.25541	-0.8727	-0.4666	0.2932		83.75
12		0.50964	0.9073	1.0731			1222.50
15		1.30277	-0.4841	0.3544	1.1337		15.51
20		0.95368	-0.5605	0.9732	1.6739	0.6385	110.32
23		1.09465	2.0514	-0.0527			47.37
26		1.02186	-1.1248	-1.5630	0.6969		166.01
30		1.18433	-0.6263	0.3928			113.35
34		1.18154	-0.9746	-0.2197	1.1590		120.58
40		1.02472	1.3529	0.3537	1.2854	0.0632	81.24
43		1.00569	-0.1919	0.4312			135.69
47		0.83991	-0.3512	-0.6152	-0.2983		51.41
51		0.98730	2.0811	0.3115			48.00
56		0.44734	-1.5385	-1.3267	-0.2614		34.21
60		0.60634	-0.5515	0.0406	0.6855	2.5374	93.47

**N=56716 M1=60.5544 M2=569.3420 Critical Z=151.24**

**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	0.31065	-2.5302	0.2000	16.63	38	0.99402	-0.1751	0.2050	2.84
5	0.75753	-1.7994	0.2000	3.81	41	1.18820	-1.5786	0.3521	3.14
7	0.66497	-0.7280	0.1184	5.06	42	0.32683	0.8608	0.0751	3.87
8	0.55587	-1.1904	0.1780	68.87	43	0.46662	-0.2804	0.3412	16.16
9	0.73593	-0.3058	0.1936	20.15	44	0.96798	-0.6852	0.1806	1.99
11	0.75553	-1.2292	0.0891	7.93	45	0.87438	-1.2773	0.1336	5.23
12	0.82369	0.6526	0.3271	2.14	48	1.13592	0.2486	0.3798	4.34
13	0.18678	3.9355	0.2000	3.61	49	1.07631	0.8725	0.2640	25.88
14	0.97851	0.5462	0.2580	8.51	50	1.39516	0.5735	0.1590	32.72
16	1.01567	-1.3010	0.3409	3.46	51	1.26034	-1.0517	0.2132	1.60
17	0.50886	-1.7960	0.2000	21.17	52	0.83851	0.0685	0.1836	19.93
18	0.76038	-1.6156	0.0569	25.28	97	0.38739	2.2490	0.1684	9.58
19	0.65582	-0.5869	0.2127	2.81	99	0.79752	-1.9411	0.1213	5.13
21	0.67580	-1.3740	0.1639	3.85	100	0.62209	-0.2580	0.0555	1.65
22	1.13571	-1.6638	0.0708	4.98	101	0.46974	-0.3176	0.1111	14.95
23	0.96990	-0.6052	0.2734	5.07	102	0.83613	-1.6856	0.0676	10.68
24	0.65048	-0.6284	0.2000	-0.35	103	0.85770	-0.6418	0.2210	4.56
25	1.07389	0.9136	0.2486	33.48	104	0.33773	-0.2578	0.2000	120.67
28	0.41707	-0.1855	0.2000	185.15	105	1.09057	-1.4003	0.2390	0.49
29	0.81403	-1.3916	0.1682	-0.43	106	0.68732	1.5025	0.2384	66.76
30	0.38952	-2.9564	0.2000	2.32	107	0.68215	1.8255	0.1502	11.03
31	0.94049	0.4501	0.1772	5.84	108	0.88778	0.7353	0.2690	14.83
32	0.51481	-2.4674	0.2000	9.56	110	0.56606	-0.7903	0.1429	18.61
33	0.49559	-0.8270	0.0668	-0.27	111	0.63952	-1.0083	0.2000	4.45
34	0.59173	-2.1917	0.2000	20.17	112	0.84723	-1.7903	0.1780	34.31
35	0.69534	-0.7825	0.1691	0.32	113	1.08383	-1.1009	0.2074	11.03
36	0.61276	-0.2220	0.1346	7.80	114	0.45026	-0.6350	0.0648	42.45
37	0.86023	-1.8177	0.1331	3.60	115	0.78968	-0.5317	0.2011	12.70

**N=55109 M1=51.8900 M2=657.9347 Critical Z=146.96**

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

Item	Part	f	g1	g2	g3	g4	Fit-Z
6		0.88358	-0.7071	0.3823			10.98
10		0.98129	-1.5921	-0.3854	1.3299		31.62
15		1.11646	-1.8992	-0.1998	1.1528		56.99
20		0.65859	-2.0303	1.8233	-1.8282		78.85
26		1.00727	-1.8430	0.4370	1.9532		39.28
27		0.99470	-1.3980	1.7313			7.13
39		1.08466	1.3152	-0.8190			58.12
40		0.77815	-2.7933	0.4795	0.4064		67.33
46		0.92353	-0.8305	-0.7937			89.33
47		1.17273	-0.5618	-0.9859			67.29
95		0.91418	-1.5755	0.9850			40.76
96		1.19318	-1.9235	0.4849			40.86
98		1.14514	-2.2219	0.6781	2.6750		22.00
109		0.88638	-0.6085	-0.7389	-0.2498		33.34

**N=55109 M1=51.8900 M2=657.9347 Critical Z=146.96**

**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
53	0.32668	-4.4488	0.2000	46.73	74	0.54631	-0.3036	0.0780	5.05
54	0.74252	-0.5850	0.2638	2.74	75	0.68211	-1.1515	0.1119	7.77
55	0.92810	-1.7846	0.2260	2.66	76	1.07818	-1.4196	0.1181	41.43
56	0.82461	-2.3751	0.2000	39.32	77	1.13253	-1.4499	0.3186	5.85
57	0.18408	1.6463	0.2000	73.93	78	1.32650	-1.1702	0.1656	15.49
58	0.89207	-0.3827	0.2149	7.30	79	0.77873	1.0873	0.1662	36.42
59	0.69389	1.6440	0.1368	40.15	81	0.92118	0.3796	0.2609	15.52
60	0.77263	-1.1802	0.1995	10.14	82	0.94265	0.1210	0.2533	10.30
61	0.35628	-0.1030	0.2000	29.29	83	0.91497	-1.1171	0.2543	2.05
63	0.54545	0.7319	0.2781	2.07	84	0.95442	-0.9126	0.1511	6.45
64	0.60956	1.0435	0.4987	10.57	85	0.60199	-0.1048	0.2000	4.86
65	0.39505	-0.7107	0.1988	3.77	86	1.28056	-0.3417	0.1879	14.39
66	0.40449	-1.2640	0.2000	5.35	87	0.72813	1.0638	0.1798	17.23
67	0.90463	-1.3335	0.3042	2.73	88	1.04780	-1.2738	0.1322	8.95
68	0.67917	-0.2020	0.0790	12.50	89	0.97078	-0.6586	0.1801	3.00
69	1.12758	-1.0487	0.2325	10.21	90	1.20972	-0.9919	0.1868	18.20
70	1.54037	-1.2453	0.2942	12.32	91	0.65153	-0.3695	0.2249	10.36
71	0.87039	-1.4636	0.1191	44.81	92	0.92254	-0.6636	0.2195	2.63
73	0.75366	0.7213	0.0762	44.22	93	1.30697	-0.3042	0.2608	18.13

**N=54966 M1=64.5801 M2=565.4984 Critical Z=146.58****Table 128. Item Parameter and Fit Summary, Constructed-Response Items, Grade 8 Writing**

Item	Part	f	g1	g2	g3	g4	Fit-Z
1		1.01295	-5.3910				2.13
2	A	0.86355	-1.6693				10.55
2	B	1.32826	-2.1038				5.58
2	C	0.96062	-1.2743				17.06
2	D	0.73181	-1.6949				48.86
2	E	1.14365	-0.9753				7.37
2	F	0.99840	-3.2943				24.41
3	A	1.20213	-3.1651	-3.7621	-0.2694	2.1284	248.30
3	B	1.36844	-5.6449	-4.1117	-0.3908	2.2368	64.02
3	C	1.90518	-7.1475	-4.7599			17.64
72		0.93012	-2.8769	-3.1784	-0.6616	1.9356	75.91
94		0.84842	-1.8174	-2.2723	-0.1731	2.5779	224.97
116		0.78695	-1.5287	-2.7699	-0.3246	2.4295	204.08

**N=54966 M1=64.5801 M2=565.4984 Critical Z=146.58**

**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	1.18451	-0.4087	0.1526	1.72	30	0.44910	-0.2104	0.2000	7.75
2	0.54309	1.0392	0.2000	120.10	31	1.76471	0.6319	0.2802	31.87
4	0.80755	0.0384	0.1809	120.16	33	0.71442	0.5597	0.2185	-0.39
5	0.40903	1.4416	0.2771	1.26	34	0.92394	0.6203	0.0565	14.72
6	1.13905	0.2617	0.1583	7.71	36	0.40604	-0.7205	0.2000	12.69
7	0.74162	0.3894	0.2833	22.52	37	0.83679	0.5430	0.0671	3.11
9	1.19889	0.3989	0.0758	11.61	38	0.83336	0.1861	0.0336	2.45
10	0.64177	0.4661	0.0288	2.65	39	1.33767	0.6808	0.1088	10.85
12	1.05041	1.3118	0.3327	6.87	41	0.55212	-0.1415	0.1385	0.37
13	1.20759	0.5319	0.3072	9.70	42	0.91429	-0.9735	0.0502	14.73
14	1.39292	0.4479	0.0833	24.22	43	1.31519	0.6643	0.2701	21.26
16	0.74377	1.0715	0.2586	1.18	44	0.95832	0.1012	0.1893	1.83
17	0.17785	-0.0888	0.2000	20.79	46	0.98186	0.6568	0.2297	22.25
18	0.59692	-1.8080	0.2000	6.29	47	0.86882	-0.3001	0.1851	2.31
19	0.61754	1.6146	0.1240	4.02	50	0.62424	0.0312	0.1241	-0.38
21	0.45108	-1.1873	0.2000	9.14	52	0.66249	0.2143	0.2086	10.45
22	1.15877	-0.2220	0.2627	10.10	53	0.92125	0.2604	0.2580	-0.27
23	0.32838	-2.2250	0.2000	31.96	55	1.20328	-0.4454	0.1604	3.65
24	0.96210	-0.0478	0.0936	4.43	56	1.10601	0.6569	0.2282	4.84
26	1.19360	-0.2889	0.4453	2.80	57	1.10441	0.6843	0.2549	1.95
27	1.31345	0.4944	0.2304	4.33	58	1.30464	0.1600	0.1438	9.95
29	0.68155	0.1830	0.0567	23.22	59	0.31987	-0.8094	0.2000	26.35

**N=55940 M1=57.6415 M2=582.7406 Critical Z=149.17**

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

Item	Part	f	g1	g2	g3	g4	Fit-Z
3		0.59338	0.2470	-0.6257			10.93
8		0.97900	0.6521	0.2831	-0.6229		62.30
11		0.15123	1.2850	0.7593			99.39
15		0.78420	0.6769	0.3707	3.7200		84.43
20		1.16510	-0.8992	0.2160	3.6909	1.1815	103.19
25		0.65101	-0.0595	0.8775			47.65
28		1.56607	-1.1004	0.4515	1.6022		43.83
32		1.04270	1.9186	-0.7834			58.64
35		0.77883	-1.0914	1.2798	-0.8633		36.73
40		1.18873	-0.1536	0.8283	1.0479	1.6159	47.64
45		0.70078	2.1019	-1.7078			90.36
48		0.87413	-2.1889	0.8117	1.5688		271.43
51		0.95237	1.7407	-0.0623			20.68
54		1.12494	-0.2015	-1.2796	1.1444		304.06
60		1.22172	-2.3267	-2.1784	-0.5253	0.3176	159.89

**N=55940 M1=57.6415 M2=582.7406 Critical Z=149.17**

**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	0.42679	-0.9470	0.2000	39.66	42	0.83775	0.4275	0.1308	4.56
2	0.79289	1.8824	0.2230	4.18	43	0.79089	-0.6047	0.3114	0.49
3	0.77808	-0.3274	0.1114	4.30	45	0.92359	0.5951	0.2780	2.85
4	0.42183	0.1934	0.2038	7.04	46	0.64131	2.4418	0.1386	2.61
5	0.88126	0.2236	0.2856	5.27	48	0.54345	0.8987	0.3101	0.45
6	0.67215	0.4042	0.2140	2.10	49	1.31377	0.2505	0.1071	10.23
7	0.78492	0.3279	0.2140	0.54	50	0.77008	0.6786	0.1583	4.44
8	0.93083	0.2238	0.2927	4.86	52	0.63364	0.7859	0.3906	6.20
9	0.73069	0.2706	0.1254	4.12	53	0.63317	0.0298	0.1636	1.99
10	0.71281	0.5786	0.1519	-0.21	54	0.84814	-1.7851	0.2000	8.16
11	0.23328	0.7658	0.2000	7.64	55	0.50256	1.0520	0.2453	1.61
12	0.78478	-1.1057	0.0655	1.76	56	0.90079	0.2978	0.3144	15.00
13	0.52765	1.3324	0.2674	0.04	58	0.80653	1.2429	0.2523	1.92
15	0.80925	1.0520	0.1234	13.22	59	0.49341	0.0662	0.1492	5.54
16	0.73460	-0.2373	0.2616	5.89	60	0.42623	-0.5685	0.2000	10.61
17	0.93811	0.5525	0.2160	7.51	61	0.39435	-1.3378	0.2000	1.41
18	0.69392	-0.7628	0.0470	9.45	63	0.67706	0.0580	0.2844	4.09
26	1.02910	-0.4898	0.4197	2.94	65	0.63399	1.9092	0.1762	14.64
27	0.46958	-0.9899	0.2793	7.40	67	0.63021	0.9473	0.1413	2.76
28	0.53965	-1.4080	0.1988	6.64	68	0.70377	0.0826	0.0793	15.46
29	0.67799	0.5513	0.1039	2.15	70	1.60965	0.5855	0.2217	82.42
30	0.93605	1.5452	0.2397	4.66	71	0.69280	1.3876	0.1501	4.36
32	1.04493	0.4048	0.4559	4.37	72	0.74498	0.3234	0.2303	2.26
33	1.00239	1.5869	0.2585	16.07	74	0.94422	0.3035	0.3315	1.80
34	1.13295	1.4422	0.1161	14.91	75	0.58169	-0.5303	0.0664	7.90
36	0.80655	-0.2960	0.3322	6.89	77	0.50062	-0.8033	0.1348	17.91
37	0.69048	0.1671	0.2236	1.05	78	0.58912	1.3692	0.2732	11.91
38	0.87805	-0.1147	0.1368	0.67	79	0.59870	3.6394	0.2971	1.48
40	0.64016	0.8171	0.2734	3.25	81	1.01529	0.6014	0.1816	39.07
41	1.09225	0.5058	0.3732	8.05	82	0.43064	-1.4095	0.1744	2.04

**N=55838 M1=55.2125 M2=505.3142 Critical Z=148.90**

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

Item	Part	f	g1	g2	g3	g4	Fit-Z
14		1.11664	-0.4259				41.95
19		0.83288	-0.7917	-0.3442			48.10
20		1.03938	-0.3434				22.41
21		1.08068	-1.9871				8.80
22		0.44509	-0.7120	-0.8867	-0.6078	0.0049	20.59
23		1.61281	-2.1081				25.10
24		0.74977	1.1403				16.19
25		0.93900	0.3272				25.91
31		0.90883	-0.0085	0.9851			8.22
35		0.95010	2.3864				4.72
39		1.05817	-0.0524	3.7456			8.97
44		1.21835	-1.6708	-1.1277	0.0720		49.65
47		0.76612	0.0541	-0.0492			30.40
51		1.00877	-0.8533	1.7848			217.50
57		0.51212	-1.3483	-1.2356			49.04
62		0.75419	-0.4829	1.8157			32.21
64		0.80865	-0.5985				3.30
66		1.38964	5.1359				5.64
69		0.81148	3.2316	1.9096			3.11
73		1.29115	-0.4650	0.8626			58.78
76		0.65772	1.2054	2.5569			6.26
80		0.93141	0.3393	0.9948			55.40
83		0.73834	-1.3690	2.7447			46.73

**N=55838 M1=55.2125 M2=505.3142 Critical Z=148.90**



**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
4	1.23504	-1.1596	0.1443	2.62	40	1.09015	-1.1681	0.1560	0.71
6	1.27120	-1.7096	0.3927	3.19	41	1.32595	-0.1338	0.2822	11.82
7	1.32432	-1.8167	0.1424	7.39	42	0.74241	0.1057	0.3748	1.43
8	0.47918	0.4229	0.0936	6.61	43	0.89024	-0.2806	0.3353	5.22
9	0.33662	0.2387	0.0945	0.04	45	0.55957	0.2323	0.2210	11.34
10	0.86123	-1.7640	0.1068	7.44	46	0.63051	0.5298	0.0893	19.60
11	0.37854	-1.1072	0.2000	21.33	47	0.61207	0.1376	0.2762	8.49
12	0.88089	-0.9580	0.1580	2.66	48	0.55377	-1.1804	0.0604	39.44
13	0.41114	-0.4324	0.1720	6.32	49	0.43569	-0.2262	0.2000	71.73
14	0.64508	-0.2673	0.0698	5.94	92	0.42503	-0.8348	0.2000	152.78
15	0.39726	0.1319	0.2000	55.24	94	0.83256	-2.0794	0.0713	11.97
16	0.90043	-0.7359	0.2319	3.17	95	0.52176	-0.9159	0.0624	28.73
17	0.80960	-0.8196	0.2279	0.35	97	1.39202	-2.6586	0.2000	67.04
19	0.67275	-1.4744	0.2000	2.76	98	1.47819	-2.5795	0.0949	28.09
20	1.23952	-1.7918	0.0417	6.40	99	1.30914	-2.4866	0.0700	8.71
21	0.87096	-0.9100	0.2238	10.88	101	1.11954	-1.4429	0.2412	6.93
22	0.46411	-1.4485	0.2000	16.49	103	1.13204	-1.1381	0.2175	6.20
23	0.61818	-1.0421	0.2058	0.73	105	1.03535	-0.5031	0.1514	10.25
25	0.93600	0.6760	0.2003	9.89	106	0.91964	-1.3065	0.3587	0.13
26	0.47614	-0.4909	0.2000	81.03	107	1.02743	-0.3956	0.1863	8.79
28	1.11702	-0.8273	0.1010	13.15	109	0.79885	0.4580	0.1530	5.72
29	0.29777	1.0477	0.2000	35.77	110	1.04309	0.1014	0.2540	4.81
32	1.09662	-1.0323	0.1113	2.74	111	0.57553	0.1640	0.1201	86.60
33	0.57252	1.4982	0.2932	8.36	112	1.28585	1.1521	0.2094	64.15
35	0.90832	-2.0956	0.0638	13.52	113	1.00472	0.4785	0.1422	15.17
36	0.53544	-1.8383	0.1397	8.71	114	0.70359	0.0012	0.2327	38.90
37	0.84010	0.1530	0.2543	5.21	115	0.86674	1.6485	0.2087	10.09
39	0.51412	-0.0259	0.1720	68.62					

**N=55324 M1=44.7121 M2=663.5300 Critical Z=147.53**

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

Item	Part	f	g1	g2	g3	g4	Fit-Z
5		0.64066	-2.7286	-0.0024	-0.1571		115.05
18		0.57620	-2.2370	2.1877	-2.4099		101.34
24		1.00663	-2.0813	0.4407	1.9331		34.87
27		1.38933	-2.6007	0.8651			108.39
31		1.15202	-2.9900	0.9022			44.73
34		0.90035	-1.4746	-0.0823	1.5395		71.59
38		0.94328	-1.0143	-0.8958	-0.6300		17.42
44		1.18409	-0.9840	1.7389			43.33
93		0.99176	-0.2721	-0.0479	2.3389		37.96
96		0.95583	-1.4224	-1.0149	0.7158		48.02
100		0.82851	0.1304	-0.7016	-0.4708		106.41
102		0.82913	-0.4747	2.0526	1.5517		12.63
104		1.07753	0.3443	1.0512	1.8558		71.50
108		1.06796	-0.0330	0.7519	2.2582		134.30

**N=55324 M1=44.7121 M2=663.5300 Critical Z=147.53**

**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
50	0.39036	-0.9093	0.1866	2.96	72	0.62983	-0.3801	0.0790	4.11
51	0.90812	-1.2825	0.1175	6.85	73	1.15909	-0.9684	0.1919	6.52
52	0.64887	-1.2561	0.2000	3.92	74	1.03386	-1.4340	0.1079	14.73
53	0.99304	-1.3262	0.1608	1.54	75	1.76471	-1.0156	0.2005	25.19
54	0.61551	-0.2790	0.2779	8.54	76	1.31025	-1.2343	0.1358	39.51
55	0.18260	-2.4050	0.2000	56.94	77	1.08076	-0.2509	0.1460	29.79
56	0.55557	1.3356	0.1791	3.44	78	1.00491	-0.5589	0.3157	13.35
57	0.55608	-1.3517	0.1866	2.70	79	1.50308	-0.6268	0.2298	7.42
58	0.82593	-1.8950	0.2000	16.64	80	1.49065	-0.4546	0.2276	47.55
59	0.79701	-1.0461	0.2557	-0.96	81	1.06445	-0.9935	0.1826	12.08
60	1.07972	-1.4522	0.1702	8.93	82	0.65572	0.3743	0.2874	4.72
61	1.10342	-0.5692	0.2249	4.21	83	0.73888	-0.1079	0.1605	-0.88
62	0.72301	0.0381	0.3117	4.11	84	1.26320	-0.5514	0.2096	8.19
63	0.61628	0.2512	0.2000	248.74	85	1.16744	-0.7738	0.1972	20.35
64	0.75587	-0.4654	0.1445	20.64	86	0.37836	-1.7800	0.2000	50.69
66	1.72498	-1.0720	0.1217	10.05	87	0.96357	-0.2561	0.2166	7.74
67	1.63590	-1.3005	0.2516	16.32	88	1.39981	-0.4542	0.3002	13.50
68	0.97220	-0.8566	0.1717	2.60	89	1.76471	-1.1641	0.2799	25.10
69	0.93723	-0.3926	0.2023	2.71	90	0.41544	-0.5716	0.1022	6.59
71	0.86488	0.9765	0.1559	61.01					

**N=55235 M1=70.1203 M2=574.7084 Critical Z=147.29****Table 136. Item Parameter and Fit Summary, Constructed-Response Items, Grade 9 Writing**

Item	Part	f	g1	g2	g3	g4	Fit-Z
1		1.07915	-4.8265				6.66
2	A	1.16499	1.4418				63.46
2	B	0.73129	-1.0200				22.49
2	C	1.36871	-1.8920				1.17
2	D	1.17832	0.3777				4.02
2	E	1.18684	-0.6442				18.46
2	F	0.82844	0.5811				13.68
3	A	1.37655	-3.6796	-4.5517	-0.6453	1.9570	105.53
3	B	1.41363	-5.6108	-4.0542	-0.7092	1.9061	73.83
3	C	1.62103	-6.4285	-4.0940			19.57
65		0.95670	-2.6476	-3.0959	-0.7697	1.9921	85.37
91		0.85888	-2.2879	-1.8256	-0.1142	2.5570	118.31
116		0.86896	-1.7410	-1.9676	0.3654	2.9434	394.37

**N=55235 M1=70.1203 M2=574.7084 Critical Z=147.29**

**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	0.76448	-1.3730	0.0594	14.10	31	0.41046	-0.1381	0.2000	38.61
3	1.20904	0.0372	0.1904	20.41	32	1.11765	1.7823	0.0500	53.03
4	1.48352	0.6155	0.2097	10.15	33	0.67119	0.1516	0.2133	1.10
5	1.26019	0.5074	0.1015	8.00	35	0.93459	-0.1247	0.0809	40.80
6	1.11317	1.3071	0.3407	10.58	36	0.84128	0.7855	0.0836	37.41
8	1.33481	2.4510	0.2596	0.69	37	0.59017	-0.5254	0.1611	4.08
9	1.10638	0.2193	0.3033	7.44	38	1.61406	1.1886	0.2529	15.99
11	0.88165	0.5311	0.1263	1.26	39	1.09007	0.5513	0.1191	2.81
12	1.41182	2.8590	0.0186	86.80	41	1.08937	0.4264	0.3190	0.77
13	0.97606	1.0217	0.1602	7.27	42	0.96194	0.4784	0.2227	16.56
15	0.51061	-2.2460	0.2000	45.18	43	0.91465	0.5237	0.4559	10.50
16	0.31552	0.0293	0.2000	24.02	44	1.15823	1.4704	0.2202	3.25
17	0.26906	1.5346	0.0907	96.79	45	1.28528	0.1911	0.3932	12.07
18	0.96615	1.4918	0.3034	1.38	47	0.43226	0.7643	0.0566	5.15
19	0.28612	-0.5635	0.1273	12.35	48	0.61595	-0.8684	0.0686	3.45
21	0.61341	0.4971	0.0947	3.01	50	1.62449	1.6033	0.2198	18.59
22	0.88766	1.1272	0.2395	0.72	52	1.49168	1.0691	0.1738	17.95
24	1.09424	0.6343	0.0680	6.07	54	0.94489	-0.1218	0.3568	22.85
25	1.55380	1.3251	0.0720	45.37	55	0.91360	0.8575	0.3300	1.88
26	0.91447	1.3280	0.1669	1.79	56	1.30752	1.9407	0.3445	20.16
27	0.70721	-0.9238	0.2000	4.42	58	1.40490	0.6869	0.1289	31.57
29	0.89959	1.9440	0.2600	62.75	59	0.74068	-1.7288	0.0718	14.72

**N=57957 M1=62.8623 M2=582.9489 Critical Z=154.55**

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

Item	Part	f	g1	g2	g3	g4	Fit-Z
2		1.34559	0.0359	.			4.96
7		1.11174	0.6862	0.5662	-0.3140		22.11
10		0.92175	0.2848	0.5210			124.26
14		1.42118	0.8201	1.7482	6.6166		10.66
20		0.97424	-1.2252	-0.2906	1.2584	1.6629	137.25
23		0.56528	0.0634	0.9319			116.86
28		1.26691	0.6302	2.0309	2.4019		72.38
30		1.51107	1.6994	0.3630			20.98
34		0.79034	-1.2570	1.1726	-0.9302		82.55
40		1.40053	0.5052	1.2672	3.1372	1.1962	40.49
46		0.77113	0.3537	-0.2048			85.81
49		1.41366	0.6890	0.5336	0.5401		98.90
51		1.69142	-1.2032	-0.2242			80.59
53		0.83987	-1.2632	1.3015	1.0794		76.60
60		1.19527	-1.9044	-2.6437	-0.8753	0.0127	877.08

**N=57957 M1=62.8623 M2=582.9489 Critical Z=154.55**

**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	0.66342	-1.9698	0.1034	3.93	40	0.93255	-0.7261	0.3326	3.33
5	0.83296	-1.5024	0.0689	3.84	42	0.69934	-0.0825	0.1356	22.06
6	0.74652	-1.3496	0.1910	7.90	43	0.51410	0.2946	0.1323	3.22
8	0.59460	0.6152	0.4112	-0.64	44	1.08155	-1.4254	0.2157	3.42
9	0.59061	-1.3980	0.0893	4.22	45	0.52509	-0.1658	0.2000	19.29
10	0.63052	-1.1727	0.0653	-0.28	46	0.59429	0.1157	0.1519	3.75
11	0.74905	-0.9204	0.3241	11.23	47	0.83245	-0.1837	0.2193	0.90
13	1.00029	0.3680	0.2726	5.85	48	0.91674	1.6614	0.3107	7.60
15	0.47597	0.3906	0.1907	1.55	92	0.87956	0.2506	0.2099	2.68
16	0.75565	-0.8771	0.2816	6.10	93	0.97267	-0.0311	0.2450	6.42
17	0.36935	-1.0247	0.2000	39.44	94	0.54550	-0.1428	0.1163	58.98
18	0.98597	-1.6496	0.1132	3.58	95	0.71321	-1.3938	0.0638	34.56
20	0.74231	1.0209	0.2609	2.32	96	1.36081	0.8008	0.2266	50.25
21	0.40999	-0.6236	0.2000	219.97	98	1.06799	0.1276	0.1663	8.56
22	0.38066	-0.1750	0.2000	7.16	99	0.76287	-0.7918	0.2050	33.88
23	0.52133	0.7564	0.1684	4.44	100	1.02107	1.2403	0.2023	12.15
24	0.78291	-0.8843	0.3045	0.75	102	0.76929	-1.3700	0.1858	37.86
25	1.13724	-0.8282	0.3128	0.49	104	0.66729	-0.1582	0.1887	335.92
26	1.00894	-1.5274	0.2106	1.21	105	1.00546	-1.2007	0.1718	6.64
28	0.93097	-0.9276	0.1317	24.53	106	1.70631	-1.3953	0.2354	38.74
29	0.81817	-1.9871	0.2407	6.77	107	0.53719	0.5216	0.1803	19.69
30	1.01830	-0.5548	0.2337	3.18	109	0.12537	-2.3184	0.2000	50.56
33	1.19590	-0.8753	0.2542	1.24	110	0.71068	-1.1245	0.0677	82.43
34	1.01388	-2.4810	0.2000	46.08	111	0.80373	-0.7785	0.1207	59.81
35	0.69802	-0.5348	0.1070	0.72	112	1.01725	0.1950	0.2730	4.91
36	1.20444	0.1451	0.2683	8.09	113	0.42431	0.2431	0.2235	18.88
38	0.82900	-1.0544	0.0327	5.19	114	0.43541	1.2999	0.1939	8.90
39	1.12006	0.7921	0.2852	6.15	115	0.45620	-0.4825	0.0816	9.56

**N=53237 M1=47.1807 M2=685.6910 Critical Z=141.97**

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

Item	Part	f	g1	g2	g3	g4	Fit-Z
7		0.67398	-0.7151	-0.2006	0.7170		8.35
12		0.92940	-0.9923	-0.1687	1.4874		32.70
14		1.02462	-1.5337	-1.9778	0.7290	1.4627	77.49
19		0.90232	-1.7377	0.5238			22.25
27		0.89103	0.0148	0.4079	1.0965		58.41
31		0.76949	-0.4591	1.8929	1.2843		19.83
32		1.13084	-1.3437	-1.0039	-0.2159		34.29
37		0.88807	-0.5717	-1.2854	-0.4768		26.42
41		0.91441	-0.7543	0.6412	0.1697		92.94
91		1.19243	-0.7680	0.6501	2.0832		85.28
97		1.20726	-0.8819	-0.7726			19.49
101		1.12187	-0.4908	-0.2570	1.6154		69.24
103		0.98488	-0.7608	0.7799	2.4857		43.19
108		1.27335	-0.5707	0.4783			59.53

**N=53237 M1=47.1807 M2=685.6910 Critical Z=141.97**

**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
49	1.63501	-2.0072	0.2936	7.50	70	1.27753	-1.2997	0.2983	9.00
50	0.51886	-0.0868	0.1735	9.68	71	0.37187	-0.7856	0.1171	4.64
51	1.61393	-1.8419	0.2387	20.35	72	1.23620	-1.2180	0.1890	5.81
52	0.95740	-1.0053	0.2613	4.26	73	1.76471	-1.7118	0.2701	48.29
53	1.34892	-1.6891	0.1369	33.51	74	0.93905	-1.4278	0.0398	78.19
54	0.39528	-1.4550	0.2000	34.34	75	1.66586	-1.3807	0.1787	22.86
55	0.99968	-1.3684	0.1640	5.48	76	0.59302	0.1543	0.2866	4.61
56	0.55261	-0.0069	0.2000	282.58	77	0.74849	-0.4381	0.2000	32.61
57	0.90954	-0.8041	0.2442	2.82	78	0.63528	0.5091	0.1563	75.47
58	0.98182	-1.4315	0.1718	2.26	79	0.90430	-0.7392	0.2627	5.24
59	1.03699	-0.9426	0.1776	22.88	80	0.85270	-0.6127	0.1268	27.12
60	0.79868	1.2214	0.2447	8.32	81	1.13645	1.0482	0.1782	135.03
61	1.76471	-2.0093	0.3044	10.86	82	1.10419	-0.7486	0.1932	12.52
62	0.87294	-0.6696	0.2381	10.80	83	1.76471	-1.5518	0.2393	17.39
63	1.11456	-1.4264	0.1882	4.35	84	1.76471	-1.4348	0.2472	28.73
64	0.53634	-1.7457	0.2000	98.28	85	0.39311	0.2897	0.1498	53.24
65	1.00438	-1.5112	0.1136	14.14	86	0.46206	0.0112	0.1817	107.17
66	0.58634	-0.8009	0.2000	6.95	87	1.38086	-1.4711	0.2070	28.25
67	0.42749	-0.9281	0.1090	4.70	88	1.26507	-1.3111	0.1655	19.20
68	0.72374	-1.4904	0.0730	46.70	89	0.53387	-0.1017	0.2000	52.08

**N=53099 M1=65.0706 M2=583.3055 Critical Z=141.60****Table 142. Item Parameter and Fit Summary, Constructed-Response Items, Grade 10 Writing**

Item	Part	f	g1	g2	g3	g4	Fit-Z
1		1.11280	-4.7963				7.76
2	A	1.18328	-1.3079				31.37
2	B	0.43039	-1.0232				14.85
2	C	0.68786	-1.3439				4.98
2	E	1.05691	0.4168				24.53
2	F	0.80265	-1.8687				10.84
3	A	1.72170	-5.3395	-4.1132	-0.1614	2.8050	415.02
3	B	1.79009	-7.0249	-4.0021	-0.1415	2.8798	161.29
3	C	1.74626	-7.1684	-3.0262			28.47
69		0.77133	-1.7876	-2.2653	-0.7808	1.6760	102.98
90		0.93620	-2.1972	-2.0588	-0.1525	2.4183	128.75
116		0.89418	-1.9163	-2.2257	-0.3044	2.2947	171.84

**N=53099 M1=65.0706 M2=583.3055 Critical Z=141.60**



**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	1.29025	0.8684	0.1290	15.18	32	1.18410	1.6851	0.1761	4.81
2	0.93452	1.5476	0.1856	4.61	33	1.19291	1.3731	0.3166	13.21
3	0.29868	-0.4124	0.2000	8.47	35	0.57607	0.0880	0.1924	10.59
4	0.78814	-1.3770	0.0548	13.90	36	1.47751	-0.1962	0.1437	15.13
6	1.19216	1.1231	0.3106	17.87	37	0.95258	-0.1738	0.2674	2.05
7	1.08540	1.1043	0.2216	1.73	38	0.70762	-0.3857	0.1199	2.55
9	0.86559	2.0378	0.2745	11.54	39	0.67070	-0.3431	0.1673	3.15
10	0.87453	0.1073	0.1463	2.63	41	0.75665	0.7379	0.2387	0.27
11	0.85355	0.7446	0.0370	45.54	42	0.99059	0.4301	0.4749	11.11
12	0.83234	0.4815	0.1482	5.21	43	0.78120	1.5021	0.1427	11.57
14	0.81914	0.1831	0.2513	4.66	45	1.28154	0.3439	0.1122	7.81
15	0.55777	-0.2222	0.1815	101.27	46	1.07326	0.2034	0.2175	7.90
16	0.97664	0.5201	0.1996	10.78	47	1.60843	1.4332	0.2275	2.81
18	1.14084	1.0688	0.4324	1.04	48	1.26286	0.4979	0.0616	14.18
19	1.31761	0.7644	0.0685	13.73	50	1.05154	1.4895	0.2306	20.06
21	1.26568	1.1177	0.1163	3.26	51	0.38963	-1.9103	0.2000	220.18
22	0.62716	-0.8639	0.2000	2.44	52	1.02790	-0.3773	0.1687	3.82
23	1.12134	1.3322	0.1375	23.14	54	1.56669	1.4445	0.2703	10.98
24	0.92776	1.3394	0.0664	25.87	56	0.56348	0.0003	0.1815	150.11
26	0.83231	0.0031	0.2534	19.85	57	1.43853	2.5382	0.0319	77.56
27	0.90575	1.1480	0.3001	19.38	58	0.58612	1.2505	0.1394	13.98
29	1.40821	1.7694	0.2940	41.98	59	0.73729	-0.9328	0.0902	27.84
30	0.63855	-0.8867	0.1790	11.05					

**N=55884 M1=60.3140 M2=601.0285 Critical Z=149.02**

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

Item	Part	f	g1	g2	g3	g4	Fit-Z
5		0.89672	0.2600	0.5880			92.50
8		1.19182	0.1882	2.4842	1.1846		157.76
13		1.50271	-0.4793	0.8921			120.33
17		1.52785	0.6763	1.6960	6.0179		22.25
20		1.39243	0.2285	1.0365	2.9846	0.9717	35.61
25		0.53834	-1.6837	0.4383			131.68
28		1.31973	-1.8172	1.1254	4.0210		81.99
31		1.49151	1.6350	0.1502			39.23
34		0.92778	-0.9855	-0.7968	0.7698		65.87
40		0.97498	-3.0654	-0.5169	1.9068	0.5430	52.22
44		0.70575	3.9289	0.5210			5.94
49		1.20726	0.1862	-0.7347	-0.1954		138.41
53		1.29992	2.4742	-0.9531			83.46
55		1.04251	0.8130	1.6052	-0.0530		142.22
60		1.06247	-0.7857	1.0825	0.3313	1.6034	151.01

**N=55884 M1=60.3140 M2=601.0285 Critical Z=149.02**

**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	0.85492	-0.1175	0.3751	4.12	45	1.03203	-0.5489	0.3338	1.29
2	0.36008	-1.2734	0.2000	40.70	47	1.72434	1.1313	0.2472	34.13
3	0.58645	-0.4573	0.0692	5.36	48	0.77858	-0.3008	0.1851	29.44
4	1.15689	1.7857	0.2960	26.62	49	1.15271	-0.5862	0.2747	1.51
5	0.71874	0.3146	0.0981	8.49	50	0.80571	-1.2310	0.1996	5.15
6	1.52028	2.5216	0.2756	22.61	51	0.64128	-0.9749	0.0848	21.32
7	1.37094	1.3487	0.2819	2.71	53	0.82591	-1.3887	0.1626	9.59
8	0.79103	0.6853	0.1320	10.36	54	1.28509	-1.4725	0.1424	19.09
10	0.80970	0.9982	0.3140	9.62	56	0.92744	-0.3867	0.1035	2.32
11	0.60078	1.2967	0.1675	8.23	57	0.40244	0.0328	0.2000	68.01
12	1.26220	1.1888	0.2663	7.28	60	1.07544	0.7012	0.1819	8.68
13	1.12502	-0.1756	0.1706	3.53	62	0.58243	0.7791	0.2242	2.04
14	1.03237	-0.6998	0.1077	42.81	64	0.59704	-0.6363	0.2000	2.58
16	1.07154	0.8528	0.2942	6.74	65	0.44358	-0.1316	0.0734	0.87
17	0.54255	1.1696	0.1947	11.90	66	0.70456	0.6241	0.3324	4.04
18	1.07399	0.6402	0.1777	26.52	67	0.68472	-1.4069	0.1778	7.23
19	0.41905	-0.1721	0.2000	113.21	70	0.48907	-1.1753	0.1225	6.29
20	0.96379	1.3784	0.4754	28.83	71	0.63963	1.2041	0.2626	3.55
21	0.74203	1.7901	0.1875	33.61	72	0.65354	-0.8411	0.2364	2.76
28	0.54633	-0.3447	0.0567	2.51	73	0.81158	-0.6346	0.2643	11.62
30	0.80973	-0.0913	0.0595	25.38	74	0.99042	0.4987	0.2485	5.87
31	0.81587	1.3909	0.3066	19.35	76	0.97839	0.1865	0.2235	3.96
33	0.67786	1.8785	0.2264	2.90	77	0.68006	1.2293	0.1773	0.49
34	0.64336	1.2746	0.2925	9.36	78	1.12838	0.9870	0.2056	8.95
35	1.36069	1.5818	0.3950	11.73	79	0.82196	1.2696	0.2026	7.35
37	0.71821	-1.2973	0.2000	4.28	80	0.95748	0.7821	0.1661	19.14
40	0.81802	-0.6640	0.2769	3.00	81	1.28657	0.9954	0.1566	17.51
41	0.98412	-1.6478	0.0831	27.03	82	0.46736	-0.0106	0.2302	23.73
43	0.47981	2.3407	0.2787	7.13					

**N=55790 M1=57.3492 M2=501.6730 Critical Z=148.77**

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

Item	Part	f	g1	g2	g3	g4	Fit-Z
9		0.90823	0.1303	1.4898			9.75
15		0.84162	-0.5625	0.7724			55.39
22		0.47301	0.1649	-0.3275	-0.2843	-0.1404	35.23
23		0.54186	0.3066	-0.4392			53.02
24		0.98047	-0.3983	1.1725			304.63
25		0.69887	0.6796				10.86
26		1.11458	1.1035				26.83
27		0.67746	0.3635				38.93
29		0.69856	-0.3120				22.99
32		0.63292	1.1546				10.67
36		1.29832	1.1280	2.8651			8.04
38		0.92961	1.5052	1.3336			44.72
39		1.13661	2.0175	0.4832			65.67
42		1.04033	0.6611	2.5831			30.83
44		0.67902	0.7703	-0.5035			21.09
52		1.21265	1.7954	4.3068			54.27
55		0.84509	0.4587				3.93
58		0.83624	-0.5211	2.2666			25.79
59		2.22215	3.5591				21.50
61		0.93433	0.5921	2.4747			18.19
63		0.51123	0.7128	2.4238			36.63
75		1.01197	-0.0217	1.0777			26.91
83		1.10081	-0.2682				59.90

**N=55790 M1=57.3492 M2=501.6730 Critical Z=148.77**

**Table 147. Correlations between the Reference and New Form Item Parameters for the 2011 CSAP Administration**

Content Area	Grade	Discrimination (a)	Difficulty (b)	Guessing (c)	p-Value (p)
Reading	3	0.93	0.99	0.79	0.99
	4	0.92	0.97	0.75	0.99
	5	0.98	0.98	0.96	0.99
	6	0.95	0.95	0.73	0.98
	7	0.97	0.99	0.91	1.00
	8	0.96	0.98	0.86	0.99
	9	0.96	0.98	0.76	0.99
	10	0.94	0.88	0.60	0.97
Writing	3	0.95	0.98	0.83	0.99
	4	0.96	0.96	0.76	0.97
	5	0.87	0.97	0.44	0.99
	6	0.92	0.96	0.72	0.98
	7	0.97	0.96	0.76	0.98
	8	0.61	0.95	0.83	0.98
	9	0.97	0.95	0.87	0.96
	10	0.97	0.96	0.74	0.98
Mathematics	3	0.94	0.98	0.91	0.99
	4	0.94	0.99	0.78	1.00
	5	0.94	0.98	0.71	0.99
	6	0.97	0.98	0.91	0.97
	7	0.96	0.96	0.85	0.98
	8	0.96	0.96	0.88	0.98
	9	0.96	0.96	0.91	0.99
	10	0.98	0.99	0.92	0.99
Science	5	0.96	0.92	0.70	0.99
	8	0.94	0.97	0.89	0.98
	10	0.97	0.99	0.81	0.99

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

Content Area	Grade	2010		2011	
		Multiplicative	Additive	Multiplicative	Additive
Reading	3	65.6	562.4	60.0	571.3
	4	49.4	588.9	52.4	590.4
	5	56.9	618.6	56.0	623.4
	6	56.4	639.6	55.2	635.6
	7	54.7	651.2	56.4	646.9
	8	51.1	660.8	51.9	657.9
	9	45.5	671.4	44.7	663.5
	10	49.1	688.5	47.2	685.7
Writing	3	45.6	461.7	44.0	464.6
	4	46.0	487.0	46.8	493.8
	5	50.2	507.8	48.9	512.8
	6	55.3	527.6	54.5	529.7
	7	63.3	558.0	60.9	554.5
	8	64.2	566.1	64.6	565.5
	9	71.9	563.2	70.1	574.7
	10	79.2	574.4	65.1	583.3
Mathematics	3	79.8	481.0	74.8	473.5
	4	65.9	509.9	63.9	510.2
	5	60.4	533.9	66.4	533.3
	6	62.3	552.6	63.0	558.1
	7	62.9	556.7	60.6	569.3
	8	60.5	586.2	57.6	582.7
	9	58.5	580.1	62.9	582.9
	10	59.9	592.3	60.3	601.0
Science	5	54.7	508.3	57.5	509.3
	8	52.7	505.2	55.2	505.3
	10	55.9	499.4	57.3	501.7

**Table 149. CSAP 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	18	100.0
		Total Test	40	100.0
	Total	Anchor Set	18	100.0
		Total Test	40	100.0
4	CS 1	Anchor Set	9	37.5
		Total Test	28	40.6
	CS 4	Anchor Set	5	20.8
		Total Test	14	20.3
	CS 5	Anchor Set	5	20.8
		Total Test	14	20.3
	CS 6	Anchor Set	5	20.8
		Total Test	13*	18.8
	Total	Anchor Set	24	100.0
		Total Test	69*	100.0
5	CS 1	Anchor Set	8	38.1
		Total Test	25	35.7
	CS 4	Anchor Set	5	23.8
		Total Test	17	24.3
	CS 5	Anchor Set	5	23.8
		Total Test	15	21.4
	CS 6	Anchor Set	3	14.3
		Total Test	13	18.6
	Total	Anchor Set	21	100.0
		Total Test	70	100.0
6	CS 1	Anchor Set	10	41.7
		Total Test	27	39.1
	CS 4	Anchor Set	5	20.8
		Total Test	16	23.2
	CS 5	Anchor Set	6	25.0
		Total Test	14	20.3
	CS 6	Anchor Set	3	12.5
		Total Test	12*	17.4
	Total	Anchor Set	24	100.0
		Total Test	69*	100.0

**Table 149. CSAP 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	8	34.8
		Total Test	23	32.9
	CS 4	Anchor Set	5	21.7
		Total Test	18	25.7
	CS 5	Anchor Set	5	21.7
		Total Test	15	21.4
	CS 6	Anchor Set	5	21.7
		Total Test	14	20.0
	Total	Anchor Set	23	100.0
		Total Test	70	100.0
8	CS 1	Anchor Set	10	41.7
		Total Test	26	37.1
	CS 4	Anchor Set	5	20.8
		Total Test	16	22.9
	CS 5	Anchor Set	6	25.0
		Total Test	17	24.3
	CS 6	Anchor Set	3	12.5
		Total Test	11	15.7
	Total	Anchor Set	24	100.0
		Total Test	70	100.0
9	CS 1	Anchor Set	8	36.4
		Total Test	22	31.9
	CS 4	Anchor Set	4	18.2
		Total Test	13	18.8
	CS 5	Anchor Set	5	22.7
		Total Test	17	24.6
	CS 6	Anchor Set	5	22.7
		Total Test	17*	24.6
	Total	Anchor Set	22	100.0
		Total Test	69*	100.0



**Table 149. CSAP 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	6	28.6
		Total Test	22	31.4
	CS 4	Anchor Set	4	19.0
		Total Test	16	22.9
	CS 5	Anchor Set	7	33.3
		Total Test	19	27.1
	CS 6	Anchor Set	4	19.0
		Total Test	13	18.6
	Total	Anchor Set	21	100.0
		Total Test	70	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. CSAP 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	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
4	CS 2	Anchor Set	10	45.5
		Total Test	21	39.6
	CS 3	Anchor Set	12	54.5
		Total Test	32	60.4
	Total	Anchor Set	22	100.0
		Total Test	53	100.0
5	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
6	CS 2	Anchor Set	10	50.0
		Total Test	21	39.6
	CS 3	Anchor Set	10*	50.0
		Total Test	32	60.4
	Total	Anchor Set	20*	100.0
		Total Test	53	100.0
7	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
8	CS 2	Anchor Set	8	40.0
		Total Test	19*	37.3
	CS 3	Anchor Set	12	60.0
		Total Test	32	62.7
	Total	Anchor Set	20	100.0
		Total Test	51*	100.0

**Table 150. CSAP 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	10	47.6
		Total Test	20*	38.5
	CS 3	Anchor Set	11	52.4
		Total Test	32	61.5
	Total	Anchor Set	21	100.0
		Total Test	52*	100.0
10	CS 2	Anchor Set	6	30.0
		Total Test	20	38.5
	CS 3	Anchor Set	14	70.0
		Total Test	32*	61.5
	Total	Anchor Set	20	100.0
		Total Test	52*	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. CSAP 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	5	29.4
		Total Test	11	27.5
	CS 4/5	Anchor Set	6	35.3
		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	16.7
		Total Test	14	20.3
	CS 2	Anchor Set	2	11.1
		Total Test	9	13.0
	CS 3	Anchor Set	4	22.2
		Total Test	11	15.9
	CS 4/5	Anchor Set	7	38.9
		Total Test	21	30.4
	CS 6	Anchor Set	2	11.1
		Total Test	14	20.3
	Total	Anchor Set	18	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. CSAP 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	30.8
		Total Test	12	20.0
	CS 2	Anchor Set	2	15.4
		Total Test	10	16.7
	CS 3	Anchor Set	2	15.4
		Total Test	11	18.3
	CS 4/5	Anchor Set	3	23.1
		Total Test	16	26.7
CS 6	Anchor Set	2	15.4	
	Total Test	11	18.3	
Total	Anchor Set	13	100.0	
	Total Test	60	100.0	
7	CS 1/6	Anchor Set	5	23.8
		Total Test	19	31.7
	CS 2	Anchor Set	5	23.8
		Total Test	12	20.0
	CS 3	Anchor Set	5	23.8
		Total Test	12	20.0
	CS 4/5	Anchor Set	6	28.6
		Total Test	17	28.3
Total	Anchor Set	21	100.0	
	Total Test	60	100.0	
8	CS 1/6	Anchor Set	7	33.3
		Total Test	15	25.4
	CS 2	Anchor Set	4	19.0
		Total Test	15	25.4
	CS 3	Anchor Set	5	23.8
		Total Test	12	20.3
	CS 4/5	Anchor Set	5	23.8
		Total Test	17*	28.8
Total	Anchor Set	21	100.0	
	Total Test	59*	100.0	

**Table 151. CSAP 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	20.0
		Total Test	13	22.0
	CS 2	Anchor Set	6	30.0
		Total Test	16	27.1
	CS 3	Anchor Set	5	25.0
		Total Test	16	27.1
	CS 4/5	Anchor Set	5	25.0
		Total Test	14*	23.7
	Total	Anchor Set	20	100.0
		Total Test	59*	100.0
10	CS 1/6	Anchor Set	4	20.0
		Total Test	14	23.3
	CS 2	Anchor Set	6	30.0
		Total Test	17	28.3
	CS 3	Anchor Set	5	25.0
		Total Test	16	26.7
	CS 4/5	Anchor Set	5	25.0
		Total Test	13	21.7
	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. CSAP 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	40.0
		Total Test	30	40.0
	CS 2	Anchor Set	4	20.0
		Total Test	15	20.0
	CS 3	Anchor Set	4	20.0
		Total Test	15	20.0
	CS 4	Anchor Set	4	20.0
		Total Test	15	20.0
	Total	Anchor Set	20	100.0
		Total Test	75	100.0
8	CS 1/5	Anchor Set	10	40.0
		Total Test	33	39.8
	CS 2	Anchor Set	5	20.0
		Total Test	17	20.5
	CS 3	Anchor Set	5	20.0
		Total Test	16	19.3
	CS 4	Anchor Set	5	20.0
		Total Test	17	20.5
	Total	Anchor Set	25	100.0
		Total Test	83	100.0
10	CS 1/5	Anchor Set	10	40.0
		Total Test	32*	40.0
	CS 2	Anchor Set	5	20.0
		Total Test	16	20.0
	CS 3	Anchor Set	5	20.0
		Total Test	15*	18.8
	CS 4	Anchor Set	5	20.0
		Total Test	17	21.3
	Total	Anchor Set	25	100.0
		Total Test	80*	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. CSAP 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
	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
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
	4	Total	Anchor Set	18	100.0
			Total Test	53	100.0
		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	30030	568	73.1	576	31443	551	81.0	562	61483	559	77.7	569		
	4	30686	592	58.5	598	31643	579	67.2	589	62331	585	63.4	593		
	5	30144	616	62.7	622	31578	604	71.7	615	61724	610	67.7	618		
	6	29572	634	60.8	640	30785	618	68.2	628	60359	626	65.2	634		
	7	29192	649	62.1	654	30208	631	67.1	640	59402	640	65.3	647		
	8	28419	663	55.8	666	29601	642	59.7	647	58026	652	58.7	657		
	9	28870	666	48.0	668	30011	651	51.2	655	58886	658	50.2	662		
	10	27563	689	50.2	694	28894	670	56.3	676	56463	679	54.3	685		
Writing	3	30127	475	53.7	473	31526	459	53.1	460	61655	467	53.9	466		
	4	30670	500	51.8	500	31636	483	51.6	485	62308	491	52.4	492		
	5	30133	522	54.9	520	31571	501	54.3	502	61706	511	55.6	511		
	6	29567	542	59.4	541	30789	517	60.2	519	60358	529	61.1	530		
	7	29193	569	66.3	567	30219	539	64.8	541	59414	553	67.2	553		
	8	28412	579	71.3	577	29598	549	70.3	551	58016	564	72.3	563		
	9	28892	584	77.2	582	30034	553	78.5	557	58931	568	79.4	569		
	10	27565	590	71.4	589	28892	559	72.7	560	56463	574	73.7	574		
Mathematics	3	30746	458	86.7	461	32118	462	90.6	465	62868	460	88.8	463		
	4	30763	492	77.2	495	31745	492	80.3	498	62511	492	78.8	496		
	5	30174	521	75.6	524	31626	522	83.0	526	61803	521	79.5	525		
	6	29596	540	73.5	544	30818	538	80.9	545	60415	539	77.4	544		
	7	29204	560	72.0	564	30268	559	78.7	564	59477	559	75.5	564		
	8	28435	576	63.8	579	29625	575	70.6	579	58065	576	67.3	579		
	9	28921	576	68.0	581	30094	576	75.5	581	59023	576	71.9	581		
	10	27629	590	65.8	595	29004	594	73.4	600	56638	592	69.8	597		
Science	5	30172	494	64.6	500	31610	498	69.5	505	61786	496	67.2	502		
	8	28386	498	59.6	504	29566	501	65.3	508	57958	500	62.6	506		
	10	27593	496	60.0	503	28977	496	68.5	506	56576	496	64.5	504		
Reading Spanish	3	618	530	45.8	533	574	513	53.6	517	1192	522	50.4	525		
	4	65	535	35.8	539	60	528	29.0	531	125	532	32.7	534		
Writing Spanish	3	633	533	70.3	534	589	500	74.8	502	1222	517	74.4	521		
	4	65	510	45.8	522	57	505	35.5	507	122	508	41.2	510		

**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	559	77.7	569	.	.	.	.	.	.	.	.	.
	4	586	69.1	593	.	.	.	.	.	.	583	102.9	594
	5	612	78.9	618	.	.	.	.	.	.	614	93.0	619
	6	627	71.4	635	.	.	.	.	.	.	634	93.0	633
	7	640	75.9	646	.	.	.	.	.	.	642	82.0	647
	8	655	70.5	657	.	.	.	.	.	.	655	74.5	658
	9	659	56.6	661	.	.	.	.	.	.	658	65.3	662
	10	679	61.8	684	.	.	.	.	.	.	679	68.1	686
Writing	3	.	.	.	469	62.9	467	480	79.8	466	.	.	.
	4	.	.	.	491	56.0	492	501	73.3	493	.	.	.
	5	.	.	.	512	60.0	510	520	75.6	512	.	.	.
	6	.	.	.	531	67.2	529	534	75.0	530	.	.	.
	7	.	.	.	555	73.6	552	557	78.0	554	.	.	.
	8	.	.	.	565	80.4	562	571	90.0	564	.	.	.
	9	.	.	.	570	87.4	569	573	91.7	569	.	.	.
	10	.	.	.	574	79.7	573	585	100.9	575	.	.	.
Mathematics	3	454	123.7	466	468	113.9	463	.	.	.	464	101.9	462
	4	496	94.2	498	514	132.7	497	501	118.9	497	499	95.0	497
	5	528	97.9	525	526	110.8	526	523	95.0	525	522	98.6	525
	6	536	105.5	545	542	97.9	547	540	96.8	544	536	91.1	545
	7	560	85.8	565	557	94.8	565	549	108.6	565	555	94.5	564
	8	572	82.7	580	577	85.2	579	573	95.5	580	570	85.0	579
	9	561	103.7	581	577	81.4	581	572	85.7	583	572	84.2	580
	10	579	97.7	597	590	83.9	597	591	79.4	598	587	85.3	596
Science	5	497	72.8	502	496	80.6	503	498	82.6	502	497	83.3	503
	8	500	67.7	507	498	78.1	505	499	73.9	506	493	81.4	506
	10	497	68.5	505	488	82.3	502	490	82.1	503	494	78.9	504
Reading Spanish	3	522	50.4	525	.	.	.	.	.	.	.	.	.
	4	534	35.8	536	.	.	.	.	.	.	524	53.1	535
Writing Spanish	3	.	.	.	525	78.2	532	515	85.7	510	.	.	.
	4	.	.	.	498	55.2	504	515	38.3	517	.	.	.

**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	.	.	.	.	.	.	559	77.7	569
	4	591	102.2	593	586	82.7	594	585	63.4	593
	5	605	103.9	618	606	90.6	618	610	67.7	618
	6	629	95.2	633	625	83.5	634	626	65.2	634
	7	647	90.5	647	640	82.9	647	640	65.3	647
	8	654	82.6	657	653	74.2	654	652	58.7	657
	9	666	78.0	662	659	65.8	662	658	50.2	662
	10	683	75.5	685	679	72.2	683	679	54.3	685
Writing	3	.	.	.	.	.	.	467	53.9	466
	4	.	.	.	.	.	.	491	52.4	492
	5	.	.	.	.	.	.	511	55.6	511
	6	.	.	.	.	.	.	529	61.1	530
	7	.	.	.	.	.	.	553	67.2	553
	8	.	.	.	.	.	.	564	72.3	563
	9	.	.	.	.	.	.	568	79.4	569
	10	.	.	.	.	.	.	574	73.7	574
Mathematics	3	.	.	.	465	109.8	453	460	88.8	463
	4	.	.	.	500	104.7	498	492	78.8	496
	5	.	.	.	540	116.9	527	521	79.5	525
	6	.	.	.	550	116.6	543	539	77.4	544
	7	.	.	.	.	.	.	559	75.5	564
	8	.	.	.	.	.	.	576	67.3	579
	9	.	.	.	.	.	.	576	71.9	581
	10	.	.	.	.	.	.	592	69.8	597
Science	5	.	.	.	.	.	.	496	67.2	502
	8	.	.	.	.	.	.	500	62.6	506
	10	.	.	.	.	.	.	496	64.5	504
Reading Spanish	3	.	.	.	.	.	.	522	50.4	525
	4	528	56.0	535	530	47.9	530	532	32.7	534
Writing Spanish	3	.	.	.	.	.	.	517	74.4	521
	4	.	.	.	.	.	.	508	41.2	510

**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	558	87.9	569	550	110.4	569	586	134.7	566	.	.	.	.	.	.
	4	586	70.7	594	583	93.9	593	612	143.6	594	.	.	.	.	.	.
	5	610	80.6	618	611	79.2	618	642	153.5	623	.	.	.	.	.	.
	6	626	71.7	635	627	83.4	634	663	148.8	634	.	.	.	.	.	.
	7	641	76.6	648	636	102.0	647	669	141.9	647	640	93.9	649	.	.	.
	8	654	72.4	656	655	81.7	657	663	91.9	657	655	92.2	655	.	.	.
	9	664	77.0	662	657	58.8	661	679	108.2	669	655	106.6	665	.	.	.
	10	680	66.6	684	676	75.9	684	693	102.4	687	681	84.8	686	.	.	.
Writing	3	.	.	.	.	.	.	.	.	.	.	.	.	470	64.9	468
	4	.	.	.	.	.	.	.	.	.	.	.	.	492	64.4	493
	5	.	.	.	.	.	.	.	.	.	.	.	.	513	67.3	510
	6	.	.	.	.	.	.	.	.	.	.	.	.	532	76.2	530
	7	.	.	.	.	.	.	.	.	.	.	.	.	554	84.3	553
	8	.	.	.	.	.	.	.	.	.	.	.	.	565	91.1	565
	9	.	.	.	.	.	.	.	.	.	.	.	.	571	96.2	568
	10	.	.	.	.	.	.	.	.	.	.	.	.	576	87.3	576
Mathematics	3	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	4	494	88.8	498	521	144.2	492	514	124.8	496	.	.	.	.	.	.
	5	531	104.2	524	543	137.7	527	536	124.2	533	.	.	.	.	.	.
	6	536	107.9	546	544	105.2	547	528	118.2	544	.	.	.	.	.	.
	7	564	103.2	567	552	107.6	562	.	.	.	.	.	.	.	.	.
	8	580	98.6	579	562	104.7	580	569	92.0	578	.	.	.	.	.	.
	9	578	81.1	581	553	113.9	581	.	.	.	.	.	.	.	.	.
	10	591	76.0	598	564	125.1	576	.	.	.	.	.	.	.	.	.
Science	5	505	98.6	503	497	83.1	501	.	.	.	.	.	.	.	.	.
	8	499	77.2	507	506	89.2	506	500	90.1	505	.	.	.	497	90.2	511
	10	496	75.1	506	501	82.8	504	.	.	.	485	88.1	499	487	87.6	502
Reading Spanish	3	522	58.9	525	522	64.2	526	520	77.9	526	.	.	.	.	.	.
	4	524	39.4	525	538	33.3	540	557	83.5	548	.	.	.	.	.	.
Writing Spanish	3	.	.	.	.	.	.	.	.	.	.	.	.	541	95.2	556
	4	.	.	.	.	.	.	.	.	.	.	.	.	504	61.4	510

**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	.	.	.	.	.	.	.	.	.	559	77.7	569
	4	.	.	.	.	.	.	.	.	.	585	63.4	593
	5	.	.	.	.	.	.	.	.	.	610	67.7	618
	6	.	.	.	.	.	.	.	.	.	626	65.2	634
	7	.	.	.	.	.	.	.	.	.	640	65.3	647
	8	.	.	.	.	.	.	.	.	.	652	58.7	657
	9	.	.	.	.	.	.	.	.	.	658	50.2	662
	10	.	.	.	.	.	.	.	.	.	679	54.3	685
Writing	3	.	.	.	492	99.1	470	505	113.9	466	467	53.9	466
	4	498	81.1	471	507	84.0	494	534	131.4	507	491	52.4	492
	5	533	113.1	542	525	88.0	512	542	123.2	517	511	55.6	511
	6	549	120.1	566	535	84.8	530	554	122.1	532	529	61.1	530
	7	573	130.3	500	561	93.3	554	559	99.3	553	553	67.2	553
	8	583	136.5	613	577	105.2	566	588	138.7	566	564	72.3	563
	9	595	153.3	607	581	121.1	570	577	109.8	570	568	79.4	569
	10	592	130.7	577	603	137.1	576	584	156.5	589	574	73.7	574
Mathematics	3	.	.	.	.	.	.	.	.	.	460	88.8	463
	4	.	.	.	.	.	.	.	.	.	492	78.8	496
	5	.	.	.	.	.	.	.	.	.	521	79.5	525
	6	.	.	.	.	.	.	.	.	.	539	77.4	544
	7	.	.	.	.	.	.	.	.	.	559	75.5	564
	8	.	.	.	.	.	.	.	.	.	576	67.3	579
	9	.	.	.	.	.	.	.	.	.	576	71.9	581
	10	.	.	.	.	.	.	.	.	.	592	69.8	597
Science	5	.	.	.	.	.	.	.	.	.	496	67.2	502
	8	492	88.6	506	.	.	.	.	.	.	500	62.6	506
	10	495	80.7	504	.	.	.	.	.	.	496	64.5	504
Reading Spanish	3	.	.	.	.	.	.	.	.	.	522	50.4	525
	4	.	.	.	.	.	.	.	.	.	532	32.7	534
Writing Spanish	3	.	.	.	515	93.7	511	526	126.9	512	517	74.4	521
	4	496	97.0	505	515	62.9	510	496	79.5	510	508	41.2	510

**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	30	9.4	31	57.5	.	.	.	.	.	.	.	.	.	.	.	.
	4	23	6.7	24	61.1	.	.	.	.	.	.	.	.	11	3.8	12	63.9
	5	21	6.3	22	67.7	.	.	.	.	.	.	.	.	13	4.0	14	66.5
	6	19	5.8	20	61.4	.	.	.	.	.	.	.	.	14	4.0	14	68.6
	7	19	6.2	20	61.2	.	.	.	.	.	.	.	.	13	3.8	14	64.6
	8	21	6.0	21	66.4	.	.	.	.	.	.	.	.	13	3.6	14	65.6
	9	19	5.9	19	58.0	.	.	.	.	.	.	.	.	12	4.0	13	58.2
	10	19	6.6	19	57.2	.	.	.	.	.	.	.	.	12	4.1	13	57.5
Writing	3	.	.	.	.	18	3.9	19	75.0	26	5.8	28	81.4	.	.	.	.
	4	.	.	.	.	24	5.0	24	65.4	27	5.1	28	81.3	.	.	.	.
	5	.	.	.	.	25	5.3	25	68.3	26	5.4	28	79.2	.	.	.	.
	6	.	.	.	.	25	5.5	26	69.7	24	5.8	25	72.9	.	.	.	.
	7	.	.	.	.	24	5.2	24	66.1	22	5.8	23	67.9	.	.	.	.
	8	.	.	.	.	22	4.8	23	66.1	25	5.6	26	75.3	.	.	.	.
	9	.	.	.	.	23	5.5	24	67.1	23	6.4	24	70.1	.	.	.	.
	10	.	.	.	.	23	5.6	23	64.7	26	5.8	27	77.8	.	.	.	.
Mathematics	3	5	2.4	6	54.9	9	3.1	10	68.4	.	.	.	.	11	3.5	12	66.1
	4	14	3.9	14	68.1	10	3.5	11	70.4	9	3.4	10	65.9	21	5.5	22	71.2
	5	13	3.9	13	66.6	13	4.4	14	68.9	11	3.9	12	59.9	11	4.7	11	54.9
	6	9	4.3	9	52.8	10	3.5	11	61.6	10	3.8	10	57.3	12	4.7	12	53.4
	7	14	6.0	14	54.2	9	3.5	9	51.3	7	3.6	7	41.1	12	6.2	11	44.5
	8	10	5.1	10	46.2	12	5.1	12	54.1	8	3.9	8	48.3	11	5.3	10	42.6
	9	6	3.4	6	37.0	13	5.4	12	52.5	10	4.7	10	45.1	8	4.5	7	37.7
	10	7	3.6	6	38.5	11	5.3	10	46.1	11	4.0	10	44.3	8	5.3	7	35.8
Science	5	20	6.9	21	57.6	10	3.3	10	53.5	10	3.2	10	59.4	10	3.4	10	56.1
	8	23	7.9	24	58.1	10	3.9	10	49.8	10	3.3	10	48.5	8	3.4	8	40.0
	10	21	7.5	22	54.3	7	3.6	7	37.3	7	3.3	7	40.9	10	3.7	10	45.5
Reading Spanish	3	30	10.1	32	58.6	.	.	.	.	.	.	.	.	.	.	.	.
	4	23	6.3	24	63.1	.	.	.	.	.	.	.	.	9	3.0	9	49.2
Writing Spanish	3	.	.	.	.	16	4.5	17	68.0	24	6.0	25	73.7	.	.	.	.
	4	.	.	.	.	18	5.2	18	51.5	19	5.6	19	55.1	.	.	.	.

**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	.	.	.	.	.	.	.	.	30	9.4	31	57.5
	4	12	4.0	12	64.4	10	3.2	10	57.8	55	16.3	59	61.6
	5	11	4.3	12	55.9	10	3.8	10	49.4	55	16.7	58	60.8
	6	13	4.3	13	63.8	10	3.8	11	54.1	56	16.1	58	62.0
	7	14	3.9	15	70.6	11	3.8	12	57.0	57	16.2	60	63.1
	8	12	4.2	13	62.3	11	4.0	11	54.6	57	16.1	59	62.8
	9	14	4.3	15	68.9	12	3.6	12	59.2	57	16.3	59	60.7
	10	14	4.2	15	66.3	12	4.5	12	56.7	57	17.8	59	59.1
Writing	3	.	.	.	.	.	.	.	.	44	9.3	47	78.6
	4	.	.	.	.	.	.	.	.	50	9.5	52	73.0
	5	.	.	.	.	.	.	.	.	51	10.1	53	73.5
	6	.	.	.	.	.	.	.	.	49	10.8	51	71.2
	7	.	.	.	.	.	.	.	.	46	10.3	47	66.9
	8	.	.	.	.	.	.	.	.	47	9.6	49	70.6
	9	.	.	.	.	.	.	.	.	47	11.3	49	68.5
	10	.	.	.	.	.	.	.	.	48	10.6	50	71.0
Mathematics	3	.	.	.	.	7	2.1	7	69.7	33	9.9	34	65.1
	4	.	.	.	.	13	4.2	14	68.5	66	18.5	70	69.2
	5	.	.	.	.	14	3.8	15	75.7	62	18.5	65	65.1
	6	.	.	.	.	9	3.0	9	66.3	50	17.2	51	57.6
	7	.	.	.	.	.	.	.	.	42	17.7	40	48.0
	8	.	.	.	.	.	.	.	.	41	18.0	39	47.6
	9	.	.	.	.	.	.	.	.	37	16.5	35	43.7
	10	.	.	.	.	.	.	.	.	36	16.7	33	41.4
Science	5	.	.	.	.	.	.	.	.	50	15.1	51	56.8
	8	.	.	.	.	.	.	.	.	51	16.5	51	50.8
	10	.	.	.	.	.	.	.	.	45	16.0	45	46.6
Reading Spanish	3	.	.	.	.	.	.	.	.	30	10.1	32	58.6
	4	9	3.1	10	51.8	9	3.1	8	49.6	50	13.6	52	55.4
Writing Spanish	3	.	.	.	.	.	.	.	.	40	10.0	42	71.2
	4	.	.	.	.	.	.	.	.	37	9.8	37	53.4

**Table 158. Raw Score Descriptive Statistics by Subcontent Area**

Content Area		Subcontent Area																			
		1				2				3				4				5			
		Mean	SD	Med.	Mean % of Max	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	14	5.0	14	51.4	8	3.1	9	56.6	7	2.3	8	74.9	.	.	.	.	.	.	.	.
	4	22	6.9	23	57.0	14	4.6	15	62.8	8	2.3	8	71.8	.	.	.	.	.	.	.	.
	5	17	5.3	18	58.3	20	6.6	21	62.4	7	2.1	8	73.0	.	.	.	.	.	.	.	.
	6	20	6.0	21	57.8	16	5.1	16	62.0	8	2.5	8	71.8	.	.	.	.	.	.	.	.
	7	19	5.8	20	61.8	10	3.8	10	57.4	7	2.3	7	69.3	8	2.	8	57.7	.	.	.	.
	8	14	4.4	14	60.1	13	4.5	14	62.7	10	2.8	11	69.2	7	2.	8	60.6	.	.	.	.
	9	12	3.4	13	67.9	17	6.4	17	49.3	9	2.3	9	72.1	6	2.	6	58.4	.	.	.	.
	10	16	5.7	17	57.8	11	5.0	11	50.0	9	2.7	9	67.2	8	2.	8	60.2	.	.	.	.
Writing	3	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	17	3.6	17	76.0
	4	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	13	3.3	13	61.0
	5	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	13	3.1	13	65.0
	6	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	13	3.2	14	67.2
	7	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	11	2.9	11	60.3
	8	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	11	2.9	12	60.1
	9	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	13	3.6	14	63.6
	10	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	16	4.4	16	63.1
Mathematics	3	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	4	16	5.2	17	64.7	8	2.9	8	70.4	10	2.9	11	74.3	.	.	.	.	.	.	.	.
	5	13	3.8	14	70.0	10	3.6	11	71.4	5	1.7	5	64.4	.	.	.	.	.	.	.	.
	6	8	3.8	8	52.7	9	3.1	9	62.4	5	2.9	5	46.8	.	.	.	.	.	.	.	.
	7	6	3.1	6	50.1	6	4.0	5	38.0	.	.	.	.	.	.	.	.	.	.	.	.
	8	7	3.1	7	54.4	5	2.5	5	40.7	6	3.8	5	36.7	.	.	.	.	.	.	.	.
	9	10	4.6	10	52.0	5	3.0	4	33.5	.	.	.	.	.	.	.	.	.	.	.	.
	10	11	5.4	11	43.0	2	1.5	2	26.0	.	.	.	.	.	.	.	.	.	.	.	.
Science	5	8	2.9	8	61.2	10	3.7	10	55.0	.	.	.	.	.	.	.	.	.	.	.	.
	8	11	4.1	11	54.6	12	4.2	12	62.0	6	2.4	6	51.4	.	.	.	.	4	1.8	4	42.0
	10	10	4.0	11	52.0	9	3.6	10	57.3	.	.	.	.	5	2.	4	34.9	5	2.6	5	37.9
Reading Spanish	3	15	5.1	16	61.4	9	3.7	9	55.0	7	2.6	7	58.1	.	.	.	.	.	.	.	.
	4	19	6.7	19	49.4	14	3.8	15	60.3	8	2.0	8	72.1	.	.	.	.	.	.	.	.
Writing Spanish	3	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	11	3.5	12	71.3
	4	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	9	3.0	8	47.3



**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	.	.	.	.	.	.	.	.	.	.	.	.	30	9.4	31	57.5
	4	.	.	.	.	.	.	.	.	.	.	.	.	55	16.3	59	61.6
	5	.	.	.	.	.	.	.	.	.	.	.	.	55	16.7	58	60.8
	6	.	.	.	.	.	.	.	.	.	.	.	.	56	16.1	58	62.0
	7	.	.	.	.	.	.	.	.	.	.	.	.	57	16.2	60	63.1
	8	.	.	.	.	.	.	.	.	.	.	.	.	57	16.1	59	62.8
	9	.	.	.	.	.	.	.	.	.	.	.	.	57	16.3	59	60.7
	10	.	.	.	.	.	.	.	.	.	.	.	.	57	17.8	59	59.1
Writing	3	.	.	.	.	12	2.9	13	80.3	11	2.9	12	81.2	44	9.3	47	78.6
	4	7	1.8	7	67.8	20	3.7	21	82.1	5	1.6	6	75.5	50	9.5	52	73.0
	5	8	1.9	9	74.0	19	4.2	20	78.8	8	2.3	9	76.2	51	10.1	53	73.5
	6	8	1.7	9	74.5	17	4.6	18	71.3	9	2.6	9	72.7	49	10.8	51	71.2
	7	8	1.8	7	72.3	19	4.8	20	71.9	6	2.4	7	58.9	46	10.3	47	66.9
	8	8	1.6	9	75.1	17	4.1	18	75.9	9	2.7	9	70.9	47	9.6	49	70.6
	9	8	1.6	9	76.3	14	4.5	15	70.4	11	3.2	11	67.4	47	11.3	49	68.5
	10	8	1.7	8	71.7	21	4.9	23	81.2	4	1.4	4	59.1	48	10.6	50	71.0
Mathematics	3	.	.	.	.	.	.	.	.	.	.	.	.	33	9.9	34	65.1
	4	.	.	.	.	.	.	.	.	.	.	.	.	66	18.5	70	69.2
	5	.	.	.	.	.	.	.	.	.	.	.	.	62	18.5	65	65.1
	6	.	.	.	.	.	.	.	.	.	.	.	.	50	17.2	51	57.6
	7	.	.	.	.	.	.	.	.	.	.	.	.	42	17.7	40	48.0
	8	.	.	.	.	.	.	.	.	.	.	.	.	41	18.0	39	47.6
	9	.	.	.	.	.	.	.	.	.	.	.	.	37	16.5	35	43.7
	10	.	.	.	.	.	.	.	.	.	.	.	.	36	16.7	33	41.4
Science	5	.	.	.	.	.	.	.	.	.	.	.	.	50	15.1	51	56.8
	8	5	2.3	5	38.4	.	.	.	.	.	.	.	.	51	16.5	51	50.8
	10	8	3.2	8	46.7	.	.	.	.	.	.	.	.	45	16.0	45	46.6
Reading Spanish	3	.	.	.	.	.	.	.	.	.	.	.	.	30	10.1	32	58.6
	4	.	.	.	.	.	.	.	.	.	.	.	.	50	13.6	52	55.4
Writing Spanish	3	.	.	.	.	15	3.7	16	74.3	7	2.5	7	69.1	40	10.0	42	71.2
	4	6	2.7	6	51.8	11	3.6	11	58.7	7	2.8	6	47.2	37	9.8	37	53.4

**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	494	0.80	494	0.80	298	9	0.01	614	1.00	345	9	0.01	886	1.44
181	1	0.00	495	0.81	299	1	0.00	615	1.00	346	11	0.02	897	1.46
190	1	0.00	496	0.81	300	4	0.01	619	1.01	347	6	0.01	903	1.47
196	1	0.00	497	0.81	301	1	0.00	620	1.01	348	6	0.01	909	1.48
214	1	0.00	498	0.81	302	5	0.01	625	1.02	349	6	0.01	915	1.49
219	1	0.00	499	0.81	303	4	0.01	629	1.02	350	11	0.02	926	1.51
227	2	0.00	501	0.81	304	6	0.01	635	1.03	351	10	0.02	936	1.52
235	2	0.00	503	0.82	305	5	0.01	640	1.04	352	11	0.02	947	1.54
236	1	0.00	504	0.82	306	7	0.01	647	1.05	353	18	0.03	965	1.57
240	1	0.00	505	0.82	307	7	0.01	654	1.06	354	9	0.01	974	1.58
242	1	0.00	506	0.82	308	7	0.01	661	1.08	355	5	0.01	979	1.59
252	1	0.00	507	0.82	309	7	0.01	668	1.09	356	7	0.01	986	1.60
253	1	0.00	508	0.83	310	8	0.01	676	1.10	357	6	0.01	992	1.61
256	1	0.00	509	0.83	311	3	0.00	679	1.10	358	14	0.02	1006	1.64
257	2	0.00	511	0.83	312	3	0.00	682	1.11	359	12	0.02	1018	1.66
262	3	0.00	514	0.84	313	3	0.00	685	1.11	360	14	0.02	1032	1.68
263	2	0.00	516	0.84	314	3	0.00	688	1.12	361	14	0.02	1046	1.70
265	2	0.00	518	0.84	315	2	0.00	690	1.12	362	14	0.02	1060	1.72
266	2	0.00	520	0.85	316	6	0.01	696	1.13	363	21	0.03	1081	1.76
267	3	0.00	523	0.85	317	6	0.01	702	1.14	364	16	0.03	1097	1.78
269	1	0.00	524	0.85	318	2	0.00	704	1.15	365	11	0.02	1108	1.80
270	2	0.00	526	0.86	319	8	0.01	712	1.16	366	10	0.02	1118	1.82
271	1	0.00	527	0.86	320	5	0.01	717	1.17	367	11	0.02	1129	1.84
272	2	0.00	529	0.86	321	4	0.01	721	1.17	368	7	0.01	1136	1.85
273	6	0.01	535	0.87	322	3	0.00	724	1.18	369	11	0.02	1147	1.87
274	2	0.00	537	0.87	323	3	0.00	727	1.18	370	24	0.04	1171	1.90
275	3	0.00	540	0.88	324	1	0.00	728	1.18	371	20	0.03	1191	1.94
277	5	0.01	545	0.89	325	13	0.02	741	1.21	372	17	0.03	1208	1.96
278	2	0.00	547	0.89	326	8	0.01	749	1.22	373	19	0.03	1227	2.00
279	4	0.01	551	0.90	327	8	0.01	757	1.23	374	25	0.04	1252	2.04
280	4	0.01	555	0.90	328	7	0.01	764	1.24	375	18	0.03	1270	2.07
281	2	0.00	557	0.91	329	5	0.01	769	1.25	376	24	0.04	1294	2.10
282	4	0.01	561	0.91	330	5	0.01	774	1.26	377	15	0.02	1309	2.13
283	7	0.01	568	0.92	331	7	0.01	781	1.27	378	20	0.03	1329	2.16
284	2	0.00	570	0.93	332	7	0.01	788	1.28	379	22	0.04	1351	2.20
285	5	0.01	575	0.94	333	7	0.01	795	1.29	380	16	0.03	1367	2.22
286	5	0.01	580	0.94	334	10	0.02	805	1.31	381	21	0.03	1388	2.26
287	1	0.00	581	0.94	335	6	0.01	811	1.32	382	23	0.04	1411	2.29
288	4	0.01	585	0.95	336	5	0.01	816	1.33	383	19	0.03	1430	2.33
289	2	0.00	587	0.95	337	6	0.01	822	1.34	384	21	0.03	1451	2.36
291	1	0.00	588	0.96	338	8	0.01	830	1.35	385	18	0.03	1469	2.39
292	3	0.00	591	0.96	339	6	0.01	836	1.36	386	16	0.03	1485	2.42
293	5	0.01	596	0.97	340	6	0.01	842	1.37	387	26	0.04	1511	2.46
294	2	0.00	598	0.97	341	8	0.01	850	1.38	388	20	0.03	1531	2.49
295	3	0.00	601	0.98	342	15	0.02	865	1.41	389	28	0.05	1559	2.54
296	1	0.00	602	0.98	343	9	0.01	874	1.42	390	35	0.06	1594	2.59
297	3	0.00	605	0.98	344	3	0.00	877	1.43	391	20	0.03	1614	2.63

**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 %
392	36	0.06	1650	2.68	439	56	0.09	3618	5.88	486	164	0.27	8295	13.49
393	27	0.04	1677	2.73	440	49	0.08	3667	5.96	487	139	0.23	8434	13.72
394	24	0.04	1701	2.77	441	65	0.11	3732	6.07	488	136	0.22	8570	13.94
395	23	0.04	1724	2.80	442	63	0.10	3795	6.17	489	160	0.26	8730	14.20
396	23	0.04	1747	2.84	443	56	0.09	3851	6.26	490	192	0.31	8922	14.51
397	29	0.05	1776	2.89	444	70	0.11	3921	6.38	491	159	0.26	9081	14.77
398	29	0.05	1805	2.94	445	58	0.09	3979	6.47	492	169	0.27	9250	15.04
399	33	0.05	1838	2.99	446	74	0.12	4053	6.59	493	172	0.28	9422	15.32
400	33	0.05	1871	3.04	447	77	0.13	4130	6.72	494	164	0.27	9586	15.59
401	35	0.06	1906	3.10	448	78	0.13	4208	6.84	495	164	0.27	9750	15.86
402	25	0.04	1931	3.14	449	73	0.12	4281	6.96	496	187	0.30	9937	16.16
403	25	0.04	1956	3.18	450	84	0.14	4365	7.10	497	173	0.28	10110	16.44
404	35	0.06	1991	3.24	451	71	0.12	4436	7.22	498	202	0.33	10312	16.77
405	36	0.06	2027	3.30	452	77	0.13	4513	7.34	499	191	0.31	10503	17.08
406	31	0.05	2058	3.35	453	101	0.16	4614	7.50	500	206	0.34	10709	17.42
407	34	0.06	2092	3.40	454	84	0.14	4698	7.64	501	182	0.30	10891	17.71
408	35	0.06	2127	3.46	455	82	0.13	4780	7.77	502	184	0.30	11075	18.01
409	35	0.06	2162	3.52	456	65	0.11	4845	7.88	503	203	0.33	11278	18.34
410	35	0.06	2197	3.57	457	95	0.15	4940	8.03	504	214	0.35	11492	18.69
411	43	0.07	2240	3.64	458	82	0.13	5022	8.17	505	220	0.36	11712	19.05
412	38	0.06	2278	3.71	459	89	0.14	5111	8.31	506	210	0.34	11922	19.39
413	31	0.05	2309	3.76	460	78	0.13	5189	8.44	507	201	0.33	12123	19.72
414	50	0.08	2359	3.84	461	99	0.16	5288	8.60	508	195	0.32	12318	20.03
415	34	0.06	2393	3.89	462	73	0.12	5361	8.72	509	216	0.35	12534	20.39
416	53	0.09	2446	3.98	463	91	0.15	5452	8.87	510	220	0.36	12754	20.74
417	34	0.06	2480	4.03	464	107	0.17	5559	9.04	511	217	0.35	12971	21.10
418	55	0.09	2535	4.12	465	108	0.18	5667	9.22	512	228	0.37	13199	21.47
419	40	0.07	2575	4.19	466	95	0.15	5762	9.37	513	216	0.35	13415	21.82
420	33	0.05	2608	4.24	467	105	0.17	5867	9.54	514	248	0.40	13663	22.22
421	47	0.08	2655	4.32	468	103	0.17	5970	9.71	515	258	0.42	13921	22.64
422	50	0.08	2705	4.40	469	109	0.18	6079	9.89	516	245	0.40	14166	23.04
423	30	0.05	2735	4.45	470	122	0.20	6201	10.09	517	246	0.40	14412	23.44
424	48	0.08	2783	4.53	471	112	0.18	6313	10.27	518	222	0.36	14634	23.80
425	53	0.09	2836	4.61	472	116	0.19	6429	10.46	519	238	0.39	14872	24.19
426	51	0.08	2887	4.70	473	105	0.17	6534	10.63	520	256	0.42	15128	24.61
427	50	0.08	2937	4.78	474	114	0.19	6648	10.81	521	287	0.47	15415	25.07
428	61	0.10	2998	4.88	475	120	0.20	6768	11.01	522	249	0.40	15664	25.48
429	39	0.06	3037	4.94	476	136	0.22	6904	11.23	523	289	0.47	15953	25.95
430	48	0.08	3085	5.02	477	147	0.24	7051	11.47	524	255	0.41	16208	26.36
431	54	0.09	3139	5.11	478	137	0.22	7188	11.69	525	264	0.43	16472	26.79
432	57	0.09	3196	5.20	479	137	0.22	7325	11.91	526	272	0.44	16744	27.23
433	63	0.10	3259	5.30	480	122	0.20	7447	12.11	527	262	0.43	17006	27.66
434	64	0.10	3323	5.40	481	128	0.21	7575	12.32	528	274	0.45	17280	28.11
435	67	0.11	3390	5.51	482	150	0.24	7725	12.56	529	289	0.47	17569	28.58
436	55	0.09	3445	5.60	483	129	0.21	7854	12.77	530	273	0.44	17842	29.02
437	57	0.09	3502	5.70	484	150	0.24	8004	13.02	531	288	0.47	18130	29.49
438	60	0.10	3562	5.79	485	127	0.21	8131	13.22	532	304	0.49	18434	29.98

**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 %
533	283	0.46	18717	30.44	580	412	0.67	35242	57.32	627	265	0.43	51907	84.42
534	266	0.43	18983	30.88	581	361	0.59	35603	57.91	628	282	0.46	52189	84.88
535	336	0.55	19319	31.42	582	419	0.68	36022	58.59	629	282	0.46	52471	85.34
536	284	0.46	19603	31.88	583	388	0.63	36410	59.22	630	274	0.45	52745	85.79
537	286	0.47	19889	32.35	584	406	0.66	36816	59.88	631	266	0.43	53011	86.22
538	313	0.51	20202	32.86	585	399	0.65	37215	60.53	632	244	0.40	53255	86.62
539	310	0.50	20512	33.36	586	379	0.62	37594	61.15	633	273	0.44	53528	87.06
540	271	0.44	20783	33.80	587	399	0.65	37993	61.79	634	243	0.40	53771	87.46
541	333	0.54	21116	34.34	588	438	0.71	38431	62.51	635	248	0.40	54019	87.86
542	307	0.50	21423	34.84	589	371	0.60	38802	63.11	636	232	0.38	54251	88.24
543	298	0.48	21721	35.33	590	347	0.56	39149	63.67	637	208	0.34	54459	88.58
544	333	0.54	22054	35.87	591	409	0.67	39558	64.34	638	218	0.35	54677	88.93
545	360	0.59	22414	36.46	592	380	0.62	39938	64.96	639	226	0.37	54903	89.30
546	331	0.54	22745	36.99	593	344	0.56	40282	65.52	640	211	0.34	55114	89.64
547	322	0.52	23067	37.52	594	418	0.68	40700	66.20	641	223	0.36	55337	90.00
548	344	0.56	23411	38.08	595	365	0.59	41065	66.79	642	198	0.32	55535	90.33
549	336	0.55	23747	38.62	596	388	0.63	41453	67.42	643	199	0.32	55734	90.65
550	323	0.53	24070	39.15	597	374	0.61	41827	68.03	644	218	0.35	55952	91.00
551	346	0.56	24416	39.71	598	384	0.62	42211	68.65	645	173	0.28	56125	91.29
552	360	0.59	24776	40.30	599	381	0.62	42592	69.27	646	174	0.28	56299	91.57
553	365	0.59	25141	40.89	600	382	0.62	42974	69.90	647	179	0.29	56478	91.86
554	352	0.57	25493	41.46	601	380	0.62	43354	70.51	648	186	0.30	56664	92.16
555	338	0.55	25831	42.01	602	344	0.56	43698	71.07	649	168	0.27	56832	92.44
556	369	0.60	26200	42.61	603	377	0.61	44075	71.69	650	165	0.27	56997	92.70
557	380	0.62	26580	43.23	604	368	0.60	44443	72.29	651	169	0.27	57166	92.98
558	360	0.59	26940	43.82	605	368	0.60	44811	72.88	652	146	0.24	57312	93.22
559	371	0.60	27311	44.42	606	366	0.60	45177	73.48	653	120	0.20	57432	93.41
560	384	0.62	27695	45.04	607	310	0.50	45487	73.98	654	146	0.24	57578	93.65
561	345	0.56	28040	45.61	608	400	0.65	45887	74.63	655	151	0.25	57729	93.89
562	345	0.56	28385	46.17	609	348	0.57	46235	75.20	656	139	0.23	57868	94.12
563	363	0.59	28748	46.76	610	387	0.63	46622	75.83	657	143	0.23	58011	94.35
564	403	0.66	29151	47.41	611	334	0.54	46956	76.37	658	146	0.24	58157	94.59
565	382	0.62	29533	48.03	612	340	0.55	47296	76.93	659	138	0.22	58295	94.81
566	368	0.60	29901	48.63	613	315	0.51	47611	77.44	660	100	0.16	58395	94.98
567	369	0.60	30270	49.23	614	328	0.53	47939	77.97	661	115	0.19	58510	95.16
568	387	0.63	30657	49.86	615	329	0.54	48268	78.51	662	107	0.17	58617	95.34
569	377	0.61	31034	50.48	616	358	0.58	48626	79.09	663	103	0.17	58720	95.51
570	364	0.59	31398	51.07	617	317	0.52	48943	79.60	664	95	0.15	58815	95.66
571	399	0.65	31797	51.72	618	296	0.48	49239	80.09	665	99	0.16	58914	95.82
572	369	0.60	32166	52.32	619	328	0.53	49567	80.62	666	121	0.20	59035	96.02
573	391	0.64	32557	52.95	620	346	0.56	49913	81.18	667	89	0.14	59124	96.16
574	359	0.58	32916	53.54	621	283	0.46	50196	81.64	668	84	0.14	59208	96.30
575	379	0.62	33295	54.15	622	285	0.46	50481	82.11	669	88	0.14	59296	96.44
576	351	0.57	33646	54.72	623	282	0.46	50763	82.56	670	68	0.11	59364	96.55
577	401	0.65	34047	55.38	624	269	0.44	51032	83.00	671	91	0.15	59455	96.70
578	384	0.62	34431	56.00	625	308	0.50	51340	83.50	672	78	0.13	59533	96.83
579	399	0.65	34830	56.65	626	302	0.49	51642	83.99	673	75	0.12	59608	96.95

**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 %
674	68	0.11	59676	97.06	721	15	0.02	61221	99.57	772	2	0.00	61440	99.93
675	84	0.14	59760	97.20	722	17	0.03	61238	99.60	773	5	0.01	61445	99.94
676	67	0.11	59827	97.31	723	9	0.01	61247	99.62	774	3	0.00	61448	99.94
677	70	0.11	59897	97.42	724	10	0.02	61257	99.63	775	2	0.00	61450	99.95
678	64	0.10	59961	97.52	725	9	0.01	61266	99.65	776	1	0.00	61451	99.95
679	54	0.09	60015	97.61	726	6	0.01	61272	99.66	777	1	0.00	61452	99.95
680	55	0.09	60070	97.70	727	7	0.01	61279	99.67	778	1	0.00	61453	99.95
681	58	0.09	60128	97.80	728	10	0.02	61289	99.68	779	1	0.00	61454	99.95
682	48	0.08	60176	97.87	729	8	0.01	61297	99.70	781	1	0.00	61455	99.95
683	46	0.07	60222	97.95	730	6	0.01	61303	99.71	783	1	0.00	61456	99.96
684	54	0.09	60276	98.04	731	9	0.01	61312	99.72	784	2	0.00	61458	99.96
685	49	0.08	60325	98.12	732	9	0.01	61321	99.74	786	1	0.00	61459	99.96
686	55	0.09	60380	98.21	733	4	0.01	61325	99.74	793	1	0.00	61460	99.96
687	47	0.08	60427	98.28	734	6	0.01	61331	99.75	795	23	0.04	61483	100.00
688	36	0.06	60463	98.34	735	3	0.00	61334	99.76					
689	36	0.06	60499	98.40	736	12	0.02	61346	99.78					
690	45	0.07	60544	98.47	737	3	0.00	61349	99.78					
691	44	0.07	60588	98.54	738	5	0.01	61354	99.79					
692	47	0.08	60635	98.62	739	6	0.01	61360	99.80					
693	30	0.05	60665	98.67	740	8	0.01	61368	99.81					
694	36	0.06	60701	98.73	741	6	0.01	61374	99.82					
695	28	0.05	60729	98.77	742	5	0.01	61379	99.83					
696	22	0.04	60751	98.81	743	5	0.01	61384	99.84					
697	34	0.06	60785	98.86	744	3	0.00	61387	99.84					
698	31	0.05	60816	98.92	745	2	0.00	61389	99.85					
699	19	0.03	60835	98.95	746	2	0.00	61391	99.85					
700	28	0.05	60863	98.99	747	1	0.00	61392	99.85					
701	20	0.03	60883	99.02	748	1	0.00	61393	99.85					
702	17	0.03	60900	99.05	749	2	0.00	61395	99.86					
703	21	0.03	60921	99.09	750	4	0.01	61399	99.86					
704	15	0.02	60936	99.11	751	2	0.00	61401	99.87					
705	23	0.04	60959	99.15	752	4	0.01	61405	99.87					
706	29	0.05	60988	99.19	753	1	0.00	61406	99.87					
707	17	0.03	61005	99.22	754	4	0.01	61410	99.88					
708	20	0.03	61025	99.26	755	3	0.00	61413	99.89					
709	19	0.03	61044	99.29	756	2	0.00	61415	99.89					
710	13	0.02	61057	99.31	757	2	0.00	61417	99.89					
711	25	0.04	61082	99.35	758	2	0.00	61419	99.90					
712	20	0.03	61102	99.38	759	3	0.00	61422	99.90					
713	9	0.01	61111	99.39	760	2	0.00	61424	99.90					
714	13	0.02	61124	99.42	762	3	0.00	61427	99.91					
715	15	0.02	61139	99.44	763	1	0.00	61428	99.91					
716	11	0.02	61150	99.46	764	2	0.00	61430	99.91					
717	16	0.03	61166	99.48	765	2	0.00	61432	99.92					
718	14	0.02	61180	99.51	767	2	0.00	61434	99.92					
719	15	0.02	61195	99.53	768	2	0.00	61436	99.92					
720	11	0.02	61206	99.55	769	2	0.00	61438	99.93					

**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	14	1.17	14	1.17	463	4	0.34	121	10.15	510	10	0.84	428	35.91
359	1	0.08	15	1.26	464	2	0.17	123	10.32	511	11	0.92	439	36.83
380	1	0.08	16	1.34	465	7	0.59	130	10.91	512	10	0.84	449	37.67
383	1	0.08	17	1.43	466	1	0.08	131	10.99	513	11	0.92	460	38.59
387	1	0.08	18	1.51	467	2	0.17	133	11.16	514	9	0.76	469	39.35
394	1	0.08	19	1.59	468	7	0.59	140	11.74	515	11	0.92	480	40.27
399	2	0.17	21	1.76	469	3	0.25	143	12.00	516	15	1.26	495	41.53
402	1	0.08	22	1.85	470	4	0.34	147	12.33	517	14	1.17	509	42.70
406	1	0.08	23	1.93	471	8	0.67	155	13.00	518	15	1.26	524	43.96
408	2	0.17	25	2.10	472	4	0.34	159	13.34	519	5	0.42	529	44.38
416	1	0.08	26	2.18	473	6	0.50	165	13.84	520	13	1.09	542	45.47
417	1	0.08	27	2.27	474	2	0.17	167	14.01	521	12	1.01	554	46.48
418	1	0.08	28	2.35	475	7	0.59	174	14.60	522	16	1.34	570	47.82
425	1	0.08	29	2.43	476	8	0.67	182	15.27	523	10	0.84	580	48.66
426	1	0.08	30	2.52	477	6	0.50	188	15.77	524	12	1.01	592	49.66
427	2	0.17	32	2.68	478	3	0.25	191	16.02	525	10	0.84	602	50.50
428	1	0.08	33	2.77	479	9	0.76	200	16.78	526	15	1.26	617	51.76
429	1	0.08	34	2.85	480	4	0.34	204	17.11	527	13	1.09	630	52.85
430	1	0.08	35	2.94	481	7	0.59	211	17.70	528	11	0.92	641	53.78
431	2	0.17	37	3.10	482	9	0.76	220	18.46	529	11	0.92	652	54.70
432	3	0.25	40	3.36	483	4	0.34	224	18.79	530	7	0.59	659	55.29
435	1	0.08	41	3.44	484	11	0.92	235	19.71	531	8	0.67	667	55.96
437	1	0.08	42	3.52	485	4	0.34	239	20.05	532	5	0.42	672	56.38
438	2	0.17	44	3.69	486	7	0.59	246	20.64	533	12	1.01	684	57.38
440	6	0.50	50	4.19	487	8	0.67	254	21.31	534	10	0.84	694	58.22
441	4	0.34	54	4.53	488	10	0.84	264	22.15	535	10	0.84	704	59.06
442	2	0.17	56	4.70	489	5	0.42	269	22.57	536	8	0.67	712	59.73
443	1	0.08	57	4.78	490	9	0.76	278	23.32	537	14	1.17	726	60.91
444	3	0.25	60	5.03	491	9	0.76	287	24.08	538	16	1.34	742	62.25
445	2	0.17	62	5.20	492	6	0.50	293	24.58	539	15	1.26	757	63.51
446	1	0.08	63	5.29	493	7	0.59	300	25.17	540	8	0.67	765	64.18
447	2	0.17	65	5.45	494	6	0.50	306	25.67	541	17	1.43	782	65.60
448	3	0.25	68	5.70	495	5	0.42	311	26.09	542	9	0.76	791	66.36
449	3	0.25	71	5.96	496	3	0.25	314	26.34	543	12	1.01	803	67.37
450	3	0.25	74	6.21	497	7	0.59	321	26.93	544	15	1.26	818	68.62
451	4	0.34	78	6.54	498	7	0.59	328	27.52	545	12	1.01	830	69.63
452	5	0.42	83	6.96	499	5	0.42	333	27.94	546	8	0.67	838	70.30
453	2	0.17	85	7.13	500	5	0.42	338	28.36	547	7	0.59	845	70.89
454	2	0.17	87	7.30	501	6	0.50	344	28.86	548	7	0.59	852	71.48
455	7	0.59	94	7.89	502	11	0.92	355	29.78	549	18	1.51	870	72.99
456	4	0.34	98	8.22	503	8	0.67	363	30.45	550	13	1.09	883	74.08
457	3	0.25	101	8.47	504	8	0.67	371	31.12	551	10	0.84	893	74.92
458	2	0.17	103	8.64	505	5	0.42	376	31.54	552	13	1.09	906	76.01
459	4	0.34	107	8.98	506	11	0.92	387	32.47	553	10	0.84	916	76.85
460	4	0.34	111	9.31	507	11	0.92	398	33.39	554	7	0.59	923	77.43
461	2	0.17	113	9.48	508	8	0.67	406	34.06	555	8	0.67	931	78.10
462	4	0.34	117	9.82	509	12	1.01	418	35.07	556	7	0.59	938	78.69

**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 %
557	9	0.76	947	79.45	604	1	0.08	1153	96.73
558	10	0.84	957	80.29	605	2	0.17	1155	96.90
559	11	0.92	968	81.21	606	3	0.25	1158	97.15
560	9	0.76	977	81.96	608	1	0.08	1159	97.23
561	4	0.34	981	82.30	609	4	0.34	1163	97.57
562	10	0.84	991	83.14	610	2	0.17	1165	97.73
563	3	0.25	994	83.39	611	1	0.08	1166	97.82
564	6	0.50	1000	83.89	614	2	0.17	1168	97.99
565	6	0.50	1006	84.40	615	1	0.08	1169	98.07
566	5	0.42	1011	84.82	616	1	0.08	1170	98.15
567	8	0.67	1019	85.49	618	2	0.17	1172	98.32
568	4	0.34	1023	85.82	619	1	0.08	1173	98.41
569	11	0.92	1034	86.74	620	1	0.08	1174	98.49
570	6	0.50	1040	87.25	625	3	0.25	1177	98.74
571	5	0.42	1045	87.67	626	1	0.08	1178	98.83
572	5	0.42	1050	88.09	629	1	0.08	1179	98.91
573	5	0.42	1055	88.51	630	1	0.08	1180	98.99
574	5	0.42	1060	88.93	631	1	0.08	1181	99.08
575	8	0.67	1068	89.60	635	1	0.08	1182	99.16
576	9	0.76	1077	90.35	637	1	0.08	1183	99.24
577	5	0.42	1082	90.77	638	1	0.08	1184	99.33
578	3	0.25	1085	91.02	640	1	0.08	1185	99.41
579	2	0.17	1087	91.19	647	1	0.08	1186	99.50
580	6	0.50	1093	91.69	659	1	0.08	1187	99.58
581	4	0.34	1097	92.03	663	1	0.08	1188	99.66
582	3	0.25	1100	92.28	667	1	0.08	1189	99.75
583	1	0.08	1101	92.37	668	1	0.08	1190	99.83
584	1	0.08	1102	92.45	708	2	0.17	1192	100.00
585	2	0.17	1104	92.62					
586	2	0.17	1106	92.79					
587	2	0.17	1108	92.95					
588	3	0.25	1111	93.20					
589	3	0.25	1114	93.46					
590	7	0.59	1121	94.04					
591	2	0.17	1123	94.21					
592	2	0.17	1125	94.38					
593	2	0.17	1127	94.55					
594	5	0.42	1132	94.97					
595	4	0.34	1136	95.30					
596	3	0.25	1139	95.55					
597	3	0.25	1142	95.81					
598	1	0.08	1143	95.89					
599	1	0.08	1144	95.97					
600	2	0.17	1146	96.14					
601	2	0.17	1148	96.31					
602	3	0.25	1151	96.56					
603	1	0.08	1152	96.64					

**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	143	0.23	143	0.23	295	6	0.01	261	0.42	342	17	0.03	607	0.98
244	1	0.00	144	0.23	296	6	0.01	267	0.43	343	21	0.03	628	1.02
245	1	0.00	145	0.24	297	3	0.00	270	0.44	344	16	0.03	644	1.04
246	1	0.00	146	0.24	298	3	0.00	273	0.44	345	19	0.03	663	1.08
248	4	0.01	150	0.24	299	6	0.01	279	0.45	346	18	0.03	681	1.10
249	7	0.01	157	0.25	300	5	0.01	284	0.46	347	21	0.03	702	1.14
250	1	0.00	158	0.26	301	10	0.02	294	0.48	348	21	0.03	723	1.17
251	2	0.00	160	0.26	302	5	0.01	299	0.48	349	16	0.03	739	1.20
252	4	0.01	164	0.27	303	4	0.01	303	0.49	350	20	0.03	759	1.23
253	2	0.00	166	0.27	304	6	0.01	309	0.50	351	33	0.05	792	1.28
254	2	0.00	168	0.27	305	3	0.00	312	0.51	352	32	0.05	824	1.34
256	4	0.01	172	0.28	306	3	0.00	315	0.51	353	26	0.04	850	1.38
257	5	0.01	177	0.29	307	4	0.01	319	0.52	354	20	0.03	870	1.41
258	5	0.01	182	0.30	308	4	0.01	323	0.52	355	31	0.05	901	1.46
259	1	0.00	183	0.30	309	9	0.01	332	0.54	356	33	0.05	934	1.51
260	2	0.00	185	0.30	310	7	0.01	339	0.55	357	34	0.06	968	1.57
261	3	0.00	188	0.30	311	6	0.01	345	0.56	358	38	0.06	1006	1.63
262	1	0.00	189	0.31	312	11	0.02	356	0.58	359	29	0.05	1035	1.68
263	2	0.00	191	0.31	313	4	0.01	360	0.58	360	20	0.03	1055	1.71
265	4	0.01	195	0.32	314	5	0.01	365	0.59	361	33	0.05	1088	1.76
266	5	0.01	200	0.32	315	6	0.01	371	0.60	362	41	0.07	1129	1.83
267	2	0.00	202	0.33	316	5	0.01	376	0.61	363	36	0.06	1165	1.89
268	2	0.00	204	0.33	317	6	0.01	382	0.62	364	43	0.07	1208	1.96
269	2	0.00	206	0.33	318	4	0.01	386	0.63	365	44	0.07	1252	2.03
270	5	0.01	211	0.34	319	4	0.01	390	0.63	366	48	0.08	1300	2.11
271	2	0.00	213	0.35	320	8	0.01	398	0.65	367	44	0.07	1344	2.18
273	1	0.00	214	0.35	321	5	0.01	403	0.65	368	42	0.07	1386	2.25
274	1	0.00	215	0.35	322	2	0.00	405	0.66	369	60	0.10	1446	2.35
275	2	0.00	217	0.35	323	5	0.01	410	0.66	370	53	0.09	1499	2.43
276	2	0.00	219	0.36	324	6	0.01	416	0.67	371	74	0.12	1573	2.55
278	1	0.00	220	0.36	325	5	0.01	421	0.68	372	59	0.10	1632	2.65
279	2	0.00	222	0.36	326	13	0.02	434	0.70	373	62	0.10	1694	2.75
280	4	0.01	226	0.37	327	9	0.01	443	0.72	374	56	0.09	1750	2.84
281	1	0.00	227	0.37	328	14	0.02	457	0.74	375	76	0.12	1826	2.96
282	1	0.00	228	0.37	329	3	0.00	460	0.75	376	82	0.13	1908	3.09
283	1	0.00	229	0.37	330	11	0.02	471	0.76	377	82	0.13	1990	3.23
284	4	0.01	233	0.38	331	7	0.01	478	0.78	378	92	0.15	2082	3.38
285	1	0.00	234	0.38	332	4	0.01	482	0.78	379	105	0.17	2187	3.55
286	2	0.00	236	0.38	333	12	0.02	494	0.80	380	96	0.16	2283	3.70
287	1	0.00	237	0.38	334	15	0.02	509	0.83	381	97	0.16	2380	3.86
288	1	0.00	238	0.39	335	5	0.01	514	0.83	382	103	0.17	2483	4.03
289	3	0.00	241	0.39	336	10	0.02	524	0.85	383	109	0.18	2592	4.20
290	3	0.00	244	0.40	337	11	0.02	535	0.87	384	114	0.18	2706	4.39
291	4	0.01	248	0.40	338	16	0.03	551	0.89	385	118	0.19	2824	4.58
292	2	0.00	250	0.41	339	14	0.02	565	0.92	386	129	0.21	2953	4.79
293	1	0.00	251	0.41	340	15	0.02	580	0.94	387	118	0.19	3071	4.98
294	4	0.01	255	0.41	341	10	0.02	590	0.96	388	112	0.18	3183	5.16



**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 %
389	138	0.22	3321	5.39	436	421	0.68	15893	25.78	483	495	0.80	40154	65.13
390	140	0.23	3461	5.61	437	461	0.75	16354	26.53	484	494	0.80	40648	65.93
391	109	0.18	3570	5.79	438	432	0.70	16786	27.23	485	472	0.77	41120	66.69
392	127	0.21	3697	6.00	439	454	0.74	17240	27.96	486	504	0.82	41624	67.51
393	149	0.24	3846	6.24	440	432	0.70	17672	28.66	487	498	0.81	42122	68.32
394	137	0.22	3983	6.46	441	455	0.74	18127	29.40	488	467	0.76	42589	69.08
395	149	0.24	4132	6.70	442	451	0.73	18578	30.13	489	476	0.77	43065	69.85
396	156	0.25	4288	6.95	443	473	0.77	19051	30.90	490	451	0.73	43516	70.58
397	149	0.24	4437	7.20	444	471	0.76	19522	31.66	491	501	0.81	44017	71.39
398	192	0.31	4629	7.51	445	501	0.81	20023	32.48	492	396	0.64	44413	72.03
399	159	0.26	4788	7.77	446	501	0.81	20524	33.29	493	434	0.70	44847	72.74
400	179	0.29	4967	8.06	447	536	0.87	21060	34.16	494	409	0.66	45256	73.40
401	182	0.30	5149	8.35	448	494	0.80	21554	34.96	495	398	0.65	45654	74.05
402	173	0.28	5322	8.63	449	515	0.84	22069	35.79	496	427	0.69	46081	74.74
403	203	0.33	5525	8.96	450	476	0.77	22545	36.57	497	469	0.76	46550	75.50
404	201	0.33	5726	9.29	451	497	0.81	23042	37.37	498	411	0.67	46961	76.17
405	221	0.36	5947	9.65	452	543	0.88	23585	38.25	499	449	0.73	47410	76.90
406	200	0.32	6147	9.97	453	512	0.83	24097	39.08	500	396	0.64	47806	77.54
407	219	0.36	6366	10.33	454	487	0.79	24584	39.87	501	352	0.57	48158	78.11
408	217	0.35	6583	10.68	455	523	0.85	25107	40.72	502	429	0.70	48587	78.80
409	239	0.39	6822	11.06	456	539	0.87	25646	41.60	503	309	0.50	48896	79.31
410	239	0.39	7061	11.45	457	547	0.89	26193	42.48	504	357	0.58	49253	79.88
411	259	0.42	7320	11.87	458	514	0.83	26707	43.32	505	415	0.67	49668	80.56
412	283	0.46	7603	12.33	459	534	0.87	27241	44.18	506	399	0.65	50067	81.21
413	261	0.42	7864	12.75	460	568	0.92	27809	45.10	507	350	0.57	50417	81.77
414	275	0.45	8139	13.20	461	507	0.82	28316	45.93	508	312	0.51	50729	82.28
415	286	0.46	8425	13.66	462	507	0.82	28823	46.75	509	269	0.44	50998	82.72
416	268	0.43	8693	14.10	463	559	0.91	29382	47.66	510	293	0.48	51291	83.19
417	290	0.47	8983	14.57	464	567	0.92	29949	48.58	511	477	0.77	51768	83.96
418	265	0.43	9248	15.00	465	586	0.95	30535	49.53	512	311	0.50	52079	84.47
419	309	0.50	9557	15.50	466	566	0.92	31101	50.44	513	363	0.59	52442	85.06
420	347	0.56	9904	16.06	467	560	0.91	31661	51.35	514	236	0.38	52678	85.44
421	334	0.54	10238	16.61	468	581	0.94	32242	52.29	515	214	0.35	52892	85.79
422	354	0.57	10592	17.18	469	561	0.91	32803	53.20	516	232	0.38	53124	86.16
423	326	0.53	10918	17.71	470	549	0.89	33352	54.09	517	220	0.36	53344	86.52
424	328	0.53	11246	18.24	471	535	0.87	33887	54.96	518	231	0.37	53575	86.89
425	342	0.55	11588	18.79	472	546	0.89	34433	55.85	519	214	0.35	53789	87.24
426	337	0.55	11925	19.34	473	515	0.84	34948	56.68	520	171	0.28	53960	87.52
427	398	0.65	12323	19.99	474	550	0.89	35498	57.58	521	201	0.33	54161	87.85
428	388	0.63	12711	20.62	475	531	0.86	36029	58.44	522	212	0.34	54373	88.19
429	399	0.65	13110	21.26	476	527	0.85	36556	59.29	523	424	0.69	54797	88.88
430	352	0.57	13462	21.83	477	510	0.83	37066	60.12	524	187	0.30	54984	89.18
431	382	0.62	13844	22.45	478	486	0.79	37552	60.91	525	524	0.85	55508	90.03
432	403	0.65	14247	23.11	479	548	0.89	38100	61.80	526	350	0.57	55858	90.60
433	424	0.69	14671	23.80	480	547	0.89	38647	62.68	527	81	0.13	55939	90.73
434	401	0.65	15072	24.45	481	532	0.86	39179	63.55	528	180	0.29	56119	91.02
435	400	0.65	15472	25.09	482	480	0.78	39659	64.32	529	166	0.27	56285	91.29

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

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

SS	Freq	%	Cum Freq	Cum %
530	73	0.12	56358	91.41
531	84	0.14	56442	91.54
532	128	0.21	56570	91.75
533	110	0.18	56680	91.93
534	67	0.11	56747	92.04
535	50	0.08	56797	92.12
536	90	0.15	56887	92.27
537	79	0.13	56966	92.39
538	231	0.37	57197	92.77
539	211	0.34	57408	93.11
540	123	0.20	57531	93.31
541	88	0.14	57619	93.45
542	722	1.17	58341	94.62
543	391	0.63	58732	95.26
544	46	0.07	58778	95.33
545	13	0.02	58791	95.35
546	78	0.13	58869	95.48
547	191	0.31	59060	95.79
548	21	0.03	59081	95.83
550	6	0.01	59087	95.83
551	3	0.00	59090	95.84
552	65	0.11	59155	95.95
553	13	0.02	59168	95.97
554	6	0.01	59174	95.98
555	29	0.05	59203	96.02
556	29	0.05	59232	96.07
558	21	0.03	59253	96.10
559	36	0.06	59289	96.16
560	6	0.01	59295	96.17
561	4	0.01	59299	96.18
563	248	0.40	59547	96.58
566	23	0.04	59570	96.62
567	36	0.06	59606	96.68
568	20	0.03	59626	96.71
569	264	0.43	59890	97.14
570	250	0.41	60140	97.54
572	578	0.94	60718	98.48
573	51	0.08	60769	98.56
579	142	0.23	60911	98.79
680	744	1.21	61655	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	2	0.16	2	0.16	396	1	0.08	63	5.16	444	6	0.49	202	16.53
259	1	0.08	3	0.25	397	2	0.16	65	5.32	445	8	0.65	210	17.18
269	1	0.08	4	0.33	398	1	0.08	66	5.40	446	4	0.33	214	17.51
274	1	0.08	5	0.41	399	2	0.16	68	5.56	447	5	0.41	219	17.92
288	1	0.08	6	0.49	400	1	0.08	69	5.65	448	5	0.41	224	18.33
294	1	0.08	7	0.57	401	2	0.16	71	5.81	450	4	0.33	228	18.66
298	1	0.08	8	0.65	402	2	0.16	73	5.97	451	1	0.08	229	18.74
300	1	0.08	9	0.74	403	3	0.25	76	6.22	452	3	0.25	232	18.99
315	1	0.08	10	0.82	404	3	0.25	79	6.46	454	1	0.08	233	19.07
324	1	0.08	11	0.90	405	2	0.16	81	6.63	455	7	0.57	240	19.64
332	1	0.08	12	0.98	406	3	0.25	84	6.87	456	4	0.33	244	19.97
335	1	0.08	13	1.06	407	3	0.25	87	7.12	457	8	0.65	252	20.62
336	1	0.08	14	1.15	408	1	0.08	88	7.20	458	5	0.41	257	21.03
338	1	0.08	15	1.23	409	3	0.25	91	7.45	459	10	0.82	267	21.85
340	1	0.08	16	1.31	410	2	0.16	93	7.61	460	3	0.25	270	22.09
343	1	0.08	17	1.39	411	1	0.08	94	7.69	461	2	0.16	272	22.26
344	1	0.08	18	1.47	412	4	0.33	98	8.02	462	3	0.25	275	22.50
345	2	0.16	20	1.64	413	1	0.08	99	8.10	463	4	0.33	279	22.83
347	1	0.08	21	1.72	414	1	0.08	100	8.18	465	3	0.25	282	23.08
348	1	0.08	22	1.80	415	2	0.16	102	8.35	466	2	0.16	284	23.24
350	1	0.08	23	1.88	416	6	0.49	108	8.84	467	8	0.65	292	23.90
351	2	0.16	25	2.05	417	1	0.08	109	8.92	468	9	0.74	301	24.63
352	2	0.16	27	2.21	418	1	0.08	110	9.00	469	3	0.25	304	24.88
355	1	0.08	28	2.29	419	1	0.08	111	9.08	470	3	0.25	307	25.12
356	1	0.08	29	2.37	420	4	0.33	115	9.41	471	4	0.33	311	25.45
357	2	0.16	31	2.54	421	4	0.33	119	9.74	472	4	0.33	315	25.78
359	1	0.08	32	2.62	422	2	0.16	121	9.90	473	5	0.41	320	26.19
360	1	0.08	33	2.70	423	2	0.16	123	10.07	474	5	0.41	325	26.60
363	2	0.16	35	2.86	425	4	0.33	127	10.39	475	2	0.16	327	26.76
364	2	0.16	37	3.03	426	2	0.16	129	10.56	476	6	0.49	333	27.25
365	2	0.16	39	3.19	427	2	0.16	131	10.72	477	3	0.25	336	27.50
367	1	0.08	40	3.27	428	3	0.25	134	10.97	478	8	0.65	344	28.15
368	1	0.08	41	3.36	429	3	0.25	137	11.21	479	5	0.41	349	28.56
370	4	0.33	45	3.68	430	6	0.49	143	11.70	480	8	0.65	357	29.21
372	1	0.08	46	3.76	431	2	0.16	145	11.87	481	6	0.49	363	29.71
375	1	0.08	47	3.85	432	3	0.25	148	12.11	482	6	0.49	369	30.20
376	2	0.16	49	4.01	433	7	0.57	155	12.68	483	6	0.49	375	30.69
377	1	0.08	50	4.09	434	4	0.33	159	13.01	484	4	0.33	379	31.01
379	1	0.08	51	4.17	435	4	0.33	163	13.34	485	5	0.41	384	31.42
380	1	0.08	52	4.26	436	2	0.16	165	13.50	486	5	0.41	389	31.83
381	3	0.25	55	4.50	437	5	0.41	170	13.91	487	5	0.41	394	32.24
385	1	0.08	56	4.58	438	6	0.49	176	14.40	488	4	0.33	398	32.57
387	1	0.08	57	4.66	439	3	0.25	179	14.65	489	4	0.33	402	32.90
389	1	0.08	58	4.75	440	2	0.16	181	14.81	490	8	0.65	410	33.55
390	2	0.16	60	4.91	441	6	0.49	187	15.30	491	8	0.65	418	34.21
391	1	0.08	61	4.99	442	4	0.33	191	15.63	492	10	0.82	428	35.02
392	1	0.08	62	5.07	443	5	0.41	196	16.04	493	6	0.49	434	35.52

**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	4	0.33	438	35.84	541	8	0.65	754	61.70	589	2	0.16	1033	84.53
495	8	0.65	446	36.50	542	5	0.41	759	62.11	590	4	0.33	1037	84.86
496	3	0.25	449	36.74	543	6	0.49	765	62.60	591	3	0.25	1040	85.11
497	5	0.41	454	37.15	544	5	0.41	770	63.01	592	4	0.33	1044	85.43
498	8	0.65	462	37.81	545	4	0.33	774	63.34	593	5	0.41	1049	85.84
499	7	0.57	469	38.38	546	9	0.74	783	64.08	594	6	0.49	1055	86.33
500	7	0.57	476	38.95	547	12	0.98	795	65.06	595	4	0.33	1059	86.66
501	10	0.82	486	39.77	548	2	0.16	797	65.22	596	7	0.57	1066	87.23
502	6	0.49	492	40.26	549	7	0.57	804	65.79	597	4	0.33	1070	87.56
503	10	0.82	502	41.08	550	7	0.57	811	66.37	598	6	0.49	1076	88.05
504	6	0.49	508	41.57	551	7	0.57	818	66.94	599	2	0.16	1078	88.22
505	4	0.33	512	41.90	552	5	0.41	823	67.35	600	5	0.41	1083	88.63
506	8	0.65	520	42.55	553	13	1.06	836	68.41	601	1	0.08	1084	88.71
507	4	0.33	524	42.88	554	14	1.15	850	69.56	602	1	0.08	1085	88.79
508	9	0.74	533	43.62	555	6	0.49	856	70.05	603	1	0.08	1086	88.87
509	3	0.25	536	43.86	556	8	0.65	864	70.70	604	3	0.25	1089	89.12
510	10	0.82	546	44.68	557	7	0.57	871	71.28	605	4	0.33	1093	89.44
511	5	0.41	551	45.09	558	7	0.57	878	71.85	606	4	0.33	1097	89.77
512	3	0.25	554	45.34	559	6	0.49	884	72.34	607	6	0.49	1103	90.26
513	4	0.33	558	45.66	560	5	0.41	889	72.75	608	5	0.41	1108	90.67
514	7	0.57	565	46.24	561	5	0.41	894	73.16	609	2	0.16	1110	90.83
515	7	0.57	572	46.81	562	4	0.33	898	73.49	612	1	0.08	1111	90.92
516	8	0.65	580	47.46	563	7	0.57	905	74.06	613	7	0.57	1118	91.49
517	7	0.57	587	48.04	564	7	0.57	912	74.63	614	2	0.16	1120	91.65
518	6	0.49	593	48.53	565	5	0.41	917	75.04	615	4	0.33	1124	91.98
519	10	0.82	603	49.35	566	2	0.16	919	75.20	616	2	0.16	1126	92.14
520	5	0.41	608	49.75	567	5	0.41	924	75.61	617	3	0.25	1129	92.39
521	9	0.74	617	50.49	568	3	0.25	927	75.86	618	5	0.41	1134	92.80
522	16	1.31	633	51.80	569	5	0.41	932	76.27	619	1	0.08	1135	92.88
523	8	0.65	641	52.45	570	5	0.41	937	76.68	620	3	0.25	1138	93.13
524	4	0.33	645	52.78	571	6	0.49	943	77.17	621	3	0.25	1141	93.37
525	8	0.65	653	53.44	572	10	0.82	953	77.99	622	2	0.16	1143	93.54
526	6	0.49	659	53.93	573	6	0.49	959	78.48	623	2	0.16	1145	93.70
527	5	0.41	664	54.34	574	3	0.25	962	78.72	624	4	0.33	1149	94.03
528	7	0.57	671	54.91	575	5	0.41	967	79.13	625	2	0.16	1151	94.19
529	8	0.65	679	55.56	577	1	0.08	968	79.21	626	2	0.16	1153	94.35
530	7	0.57	686	56.14	578	9	0.74	977	79.95	628	1	0.08	1154	94.44
531	4	0.33	690	56.46	579	4	0.33	981	80.28	629	4	0.33	1158	94.76
532	4	0.33	694	56.79	580	7	0.57	988	80.85	630	2	0.16	1160	94.93
533	7	0.57	701	57.36	581	4	0.33	992	81.18	631	4	0.33	1164	95.25
534	7	0.57	708	57.94	582	9	0.74	1001	81.91	632	1	0.08	1165	95.34
535	10	0.82	718	58.76	583	5	0.41	1006	82.32	633	1	0.08	1166	95.42
536	5	0.41	723	59.17	584	6	0.49	1012	82.82	635	1	0.08	1167	95.50
537	13	1.06	736	60.23	585	7	0.57	1019	83.39	636	4	0.33	1171	95.83
538	4	0.33	740	60.56	586	6	0.49	1025	83.88	637	1	0.08	1172	95.91
539	1	0.08	741	60.64	587	2	0.16	1027	84.04	639	1	0.08	1173	95.99
540	5	0.41	746	61.05	588	4	0.33	1031	84.37	640	1	0.08	1174	96.07

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

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

SS	Freq	%	Cum Freq	Cum %
641	1	0.08	1175	96.15
642	2	0.16	1177	96.32
645	1	0.08	1178	96.40
646	3	0.25	1181	96.64
647	3	0.25	1184	96.89
648	1	0.08	1185	96.97
650	1	0.08	1186	97.05
652	6	0.49	1192	97.55
656	1	0.08	1193	97.63
661	1	0.08	1194	97.71
663	2	0.16	1196	97.87
667	2	0.16	1198	98.04
668	1	0.08	1199	98.12
673	2	0.16	1201	98.28
674	2	0.16	1203	98.45
675	3	0.25	1206	98.69
676	1	0.08	1207	98.77
678	1	0.08	1208	98.85
697	2	0.16	1210	99.02
701	2	0.16	1212	99.18
710	1	0.08	1213	99.26
711	1	0.08	1214	99.35
712	4	0.33	1218	99.67
713	1	0.08	1219	99.75
718	1	0.08	1220	99.84
750	2	0.16	1222	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	143	0.23	143	0.23	202	4	0.01	323	0.51	249	19	0.03	858	1.36
151	3	0.00	146	0.23	203	4	0.01	327	0.52	250	20	0.03	878	1.40
152	1	0.00	147	0.23	204	6	0.01	333	0.53	251	18	0.03	896	1.43
153	4	0.01	151	0.24	205	8	0.01	341	0.54	252	17	0.03	913	1.45
154	2	0.00	153	0.24	206	4	0.01	345	0.55	253	18	0.03	931	1.48
155	1	0.00	154	0.24	207	3	0.00	348	0.55	254	28	0.04	959	1.53
156	9	0.01	163	0.26	208	10	0.02	358	0.57	255	31	0.05	990	1.57
157	2	0.00	165	0.26	209	2	0.00	360	0.57	256	15	0.02	1005	1.60
158	2	0.00	167	0.27	210	5	0.01	365	0.58	257	28	0.04	1033	1.64
159	3	0.00	170	0.27	211	7	0.01	372	0.59	258	28	0.04	1061	1.69
160	4	0.01	174	0.28	212	7	0.01	379	0.60	259	23	0.04	1084	1.72
161	1	0.00	175	0.28	213	13	0.02	392	0.62	260	23	0.04	1107	1.76
162	5	0.01	180	0.29	214	10	0.02	402	0.64	261	21	0.03	1128	1.79
164	1	0.00	181	0.29	215	7	0.01	409	0.65	262	21	0.03	1149	1.83
165	4	0.01	185	0.29	216	7	0.01	416	0.66	263	23	0.04	1172	1.86
168	3	0.00	188	0.30	217	10	0.02	426	0.68	264	30	0.05	1202	1.91
169	1	0.00	189	0.30	218	8	0.01	434	0.69	265	26	0.04	1228	1.95
170	2	0.00	191	0.30	219	8	0.01	442	0.70	266	29	0.05	1257	2.00
171	4	0.01	195	0.31	220	7	0.01	449	0.71	267	29	0.05	1286	2.05
172	4	0.01	199	0.32	221	7	0.01	456	0.73	268	31	0.05	1317	2.09
173	2	0.00	201	0.32	222	8	0.01	464	0.74	269	31	0.05	1348	2.14
174	4	0.01	205	0.33	223	9	0.01	473	0.75	270	25	0.04	1373	2.18
175	3	0.00	208	0.33	224	16	0.03	489	0.78	271	32	0.05	1405	2.23
176	3	0.00	211	0.34	225	7	0.01	496	0.79	272	37	0.06	1442	2.29
177	3	0.00	214	0.34	226	11	0.02	507	0.81	273	33	0.05	1475	2.35
178	1	0.00	215	0.34	227	7	0.01	514	0.82	274	23	0.04	1498	2.38
179	5	0.01	220	0.35	228	13	0.02	527	0.84	275	36	0.06	1534	2.44
180	4	0.01	224	0.36	229	12	0.02	539	0.86	276	28	0.04	1562	2.48
181	3	0.00	227	0.36	230	13	0.02	552	0.88	277	31	0.05	1593	2.53
182	3	0.00	230	0.37	231	15	0.02	567	0.90	278	38	0.06	1631	2.59
183	4	0.01	234	0.37	232	11	0.02	578	0.92	279	38	0.06	1669	2.65
185	1	0.00	235	0.37	233	11	0.02	589	0.94	280	51	0.08	1720	2.74
186	6	0.01	241	0.38	234	12	0.02	601	0.96	281	33	0.05	1753	2.79
188	5	0.01	246	0.39	235	17	0.03	618	0.98	282	42	0.07	1795	2.86
189	3	0.00	249	0.40	236	11	0.02	629	1.00	283	47	0.07	1842	2.93
190	3	0.00	252	0.40	237	13	0.02	642	1.02	284	36	0.06	1878	2.99
191	7	0.01	259	0.41	238	20	0.03	662	1.05	285	38	0.06	1916	3.05
192	6	0.01	265	0.42	239	18	0.03	680	1.08	286	32	0.05	1948	3.10
193	8	0.01	273	0.43	240	18	0.03	698	1.11	287	35	0.06	1983	3.15
194	5	0.01	278	0.44	241	16	0.03	714	1.14	288	38	0.06	2021	3.21
195	5	0.01	283	0.45	242	19	0.03	733	1.17	289	36	0.06	2057	3.27
196	9	0.01	292	0.46	243	21	0.03	754	1.20	290	47	0.07	2104	3.35
197	6	0.01	298	0.47	244	16	0.03	770	1.22	291	45	0.07	2149	3.42
198	6	0.01	304	0.48	245	13	0.02	783	1.25	292	48	0.08	2197	3.49
199	4	0.01	308	0.49	246	20	0.03	803	1.28	293	44	0.07	2241	3.56
200	6	0.01	314	0.50	247	20	0.03	823	1.31	294	39	0.06	2280	3.63
201	5	0.01	319	0.51	248	16	0.03	839	1.33	295	55	0.09	2335	3.71

**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 %
296	57	0.09	2392	3.80	343	98	0.16	5961	9.48	390	176	0.28	12903	20.52
297	32	0.05	2424	3.86	344	130	0.21	6091	9.69	391	204	0.32	13107	20.85
298	50	0.08	2474	3.94	345	105	0.17	6196	9.86	392	179	0.28	13286	21.13
299	39	0.06	2513	4.00	346	112	0.18	6308	10.03	393	209	0.33	13495	21.47
300	47	0.07	2560	4.07	347	115	0.18	6423	10.22	394	207	0.33	13702	21.79
301	50	0.08	2610	4.15	348	135	0.21	6558	10.43	395	195	0.31	13897	22.11
302	51	0.08	2661	4.23	349	111	0.18	6669	10.61	396	207	0.33	14104	22.43
303	59	0.09	2720	4.33	350	128	0.20	6797	10.81	397	193	0.31	14297	22.74
304	47	0.07	2767	4.40	351	118	0.19	6915	11.00	398	197	0.31	14494	23.05
305	46	0.07	2813	4.47	352	127	0.20	7042	11.20	399	214	0.34	14708	23.40
306	54	0.09	2867	4.56	353	150	0.24	7192	11.44	400	191	0.30	14899	23.70
307	60	0.10	2927	4.66	354	134	0.21	7326	11.65	401	224	0.36	15123	24.06
308	54	0.09	2981	4.74	355	135	0.21	7461	11.87	402	189	0.30	15312	24.36
309	65	0.10	3046	4.85	356	130	0.21	7591	12.07	403	237	0.38	15549	24.73
310	63	0.10	3109	4.95	357	132	0.21	7723	12.28	404	203	0.32	15752	25.06
311	73	0.12	3182	5.06	358	126	0.20	7849	12.48	405	209	0.33	15961	25.39
312	67	0.11	3249	5.17	359	112	0.18	7961	12.66	406	229	0.36	16190	25.75
313	79	0.13	3328	5.29	360	143	0.23	8104	12.89	407	221	0.35	16411	26.10
314	80	0.13	3408	5.42	361	158	0.25	8262	13.14	408	235	0.37	16646	26.48
315	72	0.11	3480	5.54	362	142	0.23	8404	13.37	409	244	0.39	16890	26.87
316	76	0.12	3556	5.66	363	141	0.22	8545	13.59	410	263	0.42	17153	27.28
317	74	0.12	3630	5.77	364	139	0.22	8684	13.81	411	216	0.34	17369	27.63
318	65	0.10	3695	5.88	365	124	0.20	8808	14.01	412	235	0.37	17604	28.00
319	78	0.12	3773	6.00	366	155	0.25	8963	14.26	413	231	0.37	17835	28.37
320	71	0.11	3844	6.11	367	153	0.24	9116	14.50	414	228	0.36	18063	28.73
321	80	0.13	3924	6.24	368	153	0.24	9269	14.74	415	233	0.37	18296	29.10
322	70	0.11	3994	6.35	369	149	0.24	9418	14.98	416	232	0.37	18528	29.47
323	80	0.13	4074	6.48	370	146	0.23	9564	15.21	417	250	0.40	18778	29.87
324	87	0.14	4161	6.62	371	147	0.23	9711	15.45	418	240	0.38	19018	30.25
325	80	0.13	4241	6.75	372	180	0.29	9891	15.73	419	224	0.36	19242	30.61
326	87	0.14	4328	6.88	373	139	0.22	10030	15.95	420	249	0.40	19491	31.00
327	82	0.13	4410	7.01	374	146	0.23	10176	16.19	421	254	0.40	19745	31.41
328	93	0.15	4503	7.16	375	158	0.25	10334	16.44	422	251	0.40	19996	31.81
329	81	0.13	4584	7.29	376	164	0.26	10498	16.70	423	281	0.45	20277	32.25
330	84	0.13	4668	7.43	377	163	0.26	10661	16.96	424	271	0.43	20548	32.68
331	93	0.15	4761	7.57	378	165	0.26	10826	17.22	425	261	0.42	20809	33.10
332	95	0.15	4856	7.72	379	167	0.27	10993	17.49	426	250	0.40	21059	33.50
333	106	0.17	4962	7.89	380	172	0.27	11165	17.76	427	257	0.41	21316	33.91
334	93	0.15	5055	8.04	381	175	0.28	11340	18.04	428	267	0.42	21583	34.33
335	92	0.15	5147	8.19	382	169	0.27	11509	18.31	429	258	0.41	21841	34.74
336	117	0.19	5264	8.37	383	155	0.25	11664	18.55	430	266	0.42	22107	35.16
337	86	0.14	5350	8.51	384	154	0.24	11818	18.80	431	284	0.45	22391	35.62
338	93	0.15	5443	8.66	385	188	0.30	12006	19.10	432	306	0.49	22697	36.10
339	120	0.19	5563	8.85	386	187	0.30	12193	19.39	433	260	0.41	22957	36.52
340	98	0.16	5661	9.00	387	172	0.27	12365	19.67	434	303	0.48	23260	37.00
341	99	0.16	5760	9.16	388	164	0.26	12529	19.93	435	282	0.45	23542	37.45
342	103	0.16	5863	9.33	389	198	0.31	12727	20.24	436	313	0.50	23855	37.94

**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 %
437	289	0.46	24144	38.40	484	325	0.52	37989	60.43	531	218	0.35	50151	79.77
438	286	0.45	24430	38.86	485	307	0.49	38296	60.91	532	201	0.32	50352	80.09
439	270	0.43	24700	39.29	486	250	0.40	38546	61.31	533	194	0.31	50546	80.40
440	253	0.40	24953	39.69	487	333	0.53	38879	61.84	534	212	0.34	50758	80.74
441	284	0.45	25237	40.14	488	281	0.45	39160	62.29	535	191	0.30	50949	81.04
442	276	0.44	25513	40.58	489	275	0.44	39435	62.73	536	213	0.34	51162	81.38
443	289	0.46	25802	41.04	490	277	0.44	39712	63.17	537	212	0.34	51374	81.72
444	265	0.42	26067	41.46	491	296	0.47	40008	63.64	538	198	0.31	51572	82.03
445	279	0.44	26346	41.91	492	281	0.45	40289	64.09	539	176	0.28	51748	82.31
446	266	0.42	26612	42.33	493	270	0.43	40559	64.51	540	201	0.32	51949	82.63
447	271	0.43	26883	42.76	494	275	0.44	40834	64.95	541	192	0.31	52141	82.94
448	281	0.45	27164	43.21	495	329	0.52	41163	65.48	542	228	0.36	52369	83.30
449	280	0.45	27444	43.65	496	275	0.44	41438	65.91	543	198	0.31	52567	83.61
450	297	0.47	27741	44.13	497	256	0.41	41694	66.32	544	186	0.30	52753	83.91
451	301	0.48	28042	44.60	498	274	0.44	41968	66.76	545	170	0.27	52923	84.18
452	338	0.54	28380	45.14	499	296	0.47	42264	67.23	546	165	0.26	53088	84.44
453	269	0.43	28649	45.57	500	278	0.44	42542	67.67	547	179	0.28	53267	84.73
454	279	0.44	28928	46.01	501	287	0.46	42829	68.13	548	169	0.27	53436	85.00
455	293	0.47	29221	46.48	502	253	0.40	43082	68.53	549	178	0.28	53614	85.28
456	309	0.49	29530	46.97	503	288	0.46	43370	68.99	550	159	0.25	53773	85.53
457	306	0.49	29836	47.46	504	272	0.43	43642	69.42	551	170	0.27	53943	85.80
458	301	0.48	30137	47.94	505	274	0.44	43916	69.85	552	185	0.29	54128	86.10
459	301	0.48	30438	48.42	506	260	0.41	44176	70.27	553	158	0.25	54286	86.35
460	303	0.48	30741	48.90	507	256	0.41	44432	70.68	554	160	0.25	54446	86.60
461	268	0.43	31009	49.32	508	259	0.41	44691	71.09	555	176	0.28	54622	86.88
462	270	0.43	31279	49.75	509	276	0.44	44967	71.53	556	158	0.25	54780	87.13
463	281	0.45	31560	50.20	510	255	0.41	45222	71.93	557	147	0.23	54927	87.37
464	288	0.46	31848	50.66	511	267	0.42	45489	72.36	558	156	0.25	55083	87.62
465	299	0.48	32147	51.13	512	250	0.40	45739	72.75	559	144	0.23	55227	87.85
466	305	0.49	32452	51.62	513	237	0.38	45976	73.13	560	142	0.23	55369	88.07
467	291	0.46	32743	52.08	514	235	0.37	46211	73.50	561	140	0.22	55509	88.29
468	297	0.47	33040	52.55	515	275	0.44	46486	73.94	562	155	0.25	55664	88.54
469	328	0.52	33368	53.08	516	247	0.39	46733	74.34	563	142	0.23	55806	88.77
470	341	0.54	33709	53.62	517	258	0.41	46991	74.75	564	151	0.24	55957	89.01
471	340	0.54	34049	54.16	518	232	0.37	47223	75.11	565	127	0.20	56084	89.21
472	284	0.45	34333	54.61	519	233	0.37	47456	75.49	566	135	0.21	56219	89.42
473	311	0.49	34644	55.11	520	229	0.36	47685	75.85	567	169	0.27	56388	89.69
474	303	0.48	34947	55.59	521	236	0.38	47921	76.22	568	142	0.23	56530	89.92
475	310	0.49	35257	56.08	522	237	0.38	48158	76.60	569	141	0.22	56671	90.14
476	318	0.51	35575	56.59	523	223	0.35	48381	76.96	570	126	0.20	56797	90.34
477	299	0.48	35874	57.06	524	231	0.37	48612	77.32	571	121	0.19	56918	90.54
478	288	0.46	36162	57.52	525	237	0.38	48849	77.70	572	109	0.17	57027	90.71
479	313	0.50	36475	58.02	526	250	0.40	49099	78.10	573	101	0.16	57128	90.87
480	271	0.43	36746	58.45	527	210	0.33	49309	78.43	574	95	0.15	57223	91.02
481	300	0.48	37046	58.93	528	242	0.38	49551	78.82	575	128	0.20	57351	91.22
482	311	0.49	37357	59.42	529	208	0.33	49759	79.15	576	103	0.16	57454	91.39
483	307	0.49	37664	59.91	530	174	0.28	49933	79.43	577	121	0.19	57575	91.58



**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 %
578	108	0.17	57683	91.75	625	55	0.09	60976	96.99	673	2	0.00	62364	99.20
579	128	0.20	57811	91.96	626	58	0.09	61034	97.08	674	28	0.04	62392	99.24
580	92	0.15	57903	92.10	627	79	0.13	61113	97.21	675	6	0.01	62398	99.25
581	122	0.19	58025	92.30	628	13	0.02	61126	97.23	676	12	0.02	62410	99.27
582	88	0.14	58113	92.44	629	18	0.03	61144	97.26	677	6	0.01	62416	99.28
583	85	0.14	58198	92.57	630	31	0.05	61175	97.31	678	8	0.01	62424	99.29
584	87	0.14	58285	92.71	631	49	0.08	61224	97.38	679	5	0.01	62429	99.30
585	96	0.15	58381	92.86	632	39	0.06	61263	97.45	680	10	0.02	62439	99.32
586	97	0.15	58478	93.02	633	13	0.02	61276	97.47	681	16	0.03	62455	99.34
587	83	0.13	58561	93.15	634	17	0.03	61293	97.49	682	19	0.03	62474	99.37
588	92	0.15	58653	93.30	635	3	0.00	61296	97.50	683	12	0.02	62486	99.39
589	77	0.12	58730	93.42	636	12	0.02	61308	97.52	684	3	0.00	62489	99.40
590	93	0.15	58823	93.57	637	101	0.16	61409	97.68	685	4	0.01	62493	99.40
591	77	0.12	58900	93.69	638	18	0.03	61427	97.71	686	3	0.00	62496	99.41
592	57	0.09	58957	93.78	639	7	0.01	61434	97.72	687	3	0.00	62499	99.41
593	92	0.15	59049	93.93	640	5	0.01	61439	97.73	688	8	0.01	62507	99.43
594	117	0.19	59166	94.11	641	11	0.02	61450	97.74	689	6	0.01	62513	99.44
595	85	0.14	59251	94.25	642	16	0.03	61466	97.77	690	7	0.01	62520	99.45
596	79	0.13	59330	94.37	643	146	0.23	61612	98.00	691	2	0.00	62522	99.45
597	101	0.16	59431	94.53	644	6	0.01	61618	98.01	693	8	0.01	62530	99.46
598	80	0.13	59511	94.66	645	36	0.06	61654	98.07	695	5	0.01	62535	99.47
599	63	0.10	59574	94.76	646	30	0.05	61684	98.12	697	47	0.07	62582	99.55
600	49	0.08	59623	94.84	647	145	0.23	61829	98.35	699	2	0.00	62584	99.55
601	72	0.11	59695	94.95	648	49	0.08	61878	98.43	700	284	0.45	62868	100.00
602	82	0.13	59777	95.08	649	4	0.01	61882	98.43					
603	56	0.09	59833	95.17	650	8	0.01	61890	98.44					
604	66	0.10	59899	95.28	651	37	0.06	61927	98.50					
605	42	0.07	59941	95.34	652	42	0.07	61969	98.57					
606	53	0.08	59994	95.43	653	14	0.02	61983	98.59					
607	65	0.10	60059	95.53	654	6	0.01	61989	98.60					
608	37	0.06	60096	95.59	655	9	0.01	61998	98.62					
609	33	0.05	60129	95.64	656	4	0.01	62002	98.62					
610	53	0.08	60182	95.73	657	5	0.01	62007	98.63					
611	41	0.07	60223	95.79	658	6	0.01	62013	98.64					
612	108	0.17	60331	95.96	659	5	0.01	62018	98.65					
613	24	0.04	60355	96.00	660	12	0.02	62030	98.67					
614	39	0.06	60394	96.06	661	3	0.00	62033	98.67					
615	47	0.07	60441	96.14	662	26	0.04	62059	98.71					
616	120	0.19	60561	96.33	663	9	0.01	62068	98.73					
617	33	0.05	60594	96.38	665	6	0.01	62074	98.74					
618	46	0.07	60640	96.46	666	13	0.02	62087	98.76					
619	20	0.03	60660	96.49	667	21	0.03	62108	98.79					
620	21	0.03	60681	96.52	668	232	0.37	62340	99.16					
621	81	0.13	60762	96.65	669	14	0.02	62354	99.18					
622	85	0.14	60847	96.79	670	4	0.01	62358	99.19					
623	47	0.07	60894	96.86	671	3	0.00	62361	99.19					
624	27	0.04	60921	96.90	672	1	0.00	62362	99.20					

**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	239	0.38	239	0.38	325	2	0.00	313	0.50	373	8	0.01	507	0.81
187	1	0.00	240	0.39	326	4	0.01	317	0.51	374	10	0.02	517	0.83
197	1	0.00	241	0.39	327	4	0.01	321	0.51	375	2	0.00	519	0.83
211	1	0.00	242	0.39	328	1	0.00	322	0.52	376	9	0.01	528	0.85
212	1	0.00	243	0.39	329	2	0.00	324	0.52	377	2	0.00	530	0.85
213	1	0.00	244	0.39	331	3	0.00	327	0.52	378	10	0.02	540	0.87
231	1	0.00	245	0.39	332	1	0.00	328	0.53	379	8	0.01	548	0.88
238	1	0.00	246	0.39	333	3	0.00	331	0.53	380	10	0.02	558	0.90
242	1	0.00	247	0.40	334	3	0.00	334	0.54	381	10	0.02	568	0.91
245	1	0.00	248	0.40	335	3	0.00	337	0.54	382	9	0.01	577	0.93
254	1	0.00	249	0.40	336	6	0.01	343	0.55	383	7	0.01	584	0.94
266	1	0.00	250	0.40	337	3	0.00	346	0.56	384	7	0.01	591	0.95
267	1	0.00	251	0.40	338	2	0.00	348	0.56	385	11	0.02	602	0.97
272	1	0.00	252	0.40	339	5	0.01	353	0.57	386	8	0.01	610	0.98
273	1	0.00	253	0.41	340	5	0.01	358	0.57	387	7	0.01	617	0.99
279	1	0.00	254	0.41	341	1	0.00	359	0.58	388	7	0.01	624	1.00
282	1	0.00	255	0.41	342	4	0.01	363	0.58	389	13	0.02	637	1.02
284	1	0.00	256	0.41	343	1	0.00	364	0.58	390	10	0.02	647	1.04
287	1	0.00	257	0.41	344	2	0.00	366	0.59	391	11	0.02	658	1.06
288	2	0.00	259	0.42	345	3	0.00	369	0.59	392	5	0.01	663	1.06
290	2	0.00	261	0.42	346	2	0.00	371	0.60	393	11	0.02	674	1.08
291	1	0.00	262	0.42	347	3	0.00	374	0.60	394	9	0.01	683	1.10
292	1	0.00	263	0.42	348	7	0.01	381	0.61	395	7	0.01	690	1.11
294	1	0.00	264	0.42	349	2	0.00	383	0.61	396	6	0.01	696	1.12
297	2	0.00	266	0.43	350	1	0.00	384	0.62	397	16	0.03	712	1.14
299	3	0.00	269	0.43	351	3	0.00	387	0.62	398	10	0.02	722	1.16
300	2	0.00	271	0.43	352	4	0.01	391	0.63	399	11	0.02	733	1.18
301	2	0.00	273	0.44	353	7	0.01	398	0.64	400	10	0.02	743	1.19
302	1	0.00	274	0.44	354	10	0.02	408	0.65	401	14	0.02	757	1.21
305	1	0.00	275	0.44	355	1	0.00	409	0.66	402	14	0.02	771	1.24
306	1	0.00	276	0.44	356	4	0.01	413	0.66	403	14	0.02	785	1.26
307	1	0.00	277	0.44	357	2	0.00	415	0.67	404	12	0.02	797	1.28
308	3	0.00	280	0.45	358	5	0.01	420	0.67	405	12	0.02	809	1.30
309	1	0.00	281	0.45	359	7	0.01	427	0.69	406	14	0.02	823	1.32
310	3	0.00	284	0.46	360	3	0.00	430	0.69	407	21	0.03	844	1.35
311	1	0.00	285	0.46	361	4	0.01	434	0.70	408	12	0.02	856	1.37
312	1	0.00	286	0.46	362	5	0.01	439	0.70	409	9	0.01	865	1.39
313	3	0.00	289	0.46	363	9	0.01	448	0.72	410	16	0.03	881	1.41
314	3	0.00	292	0.47	364	6	0.01	454	0.73	411	10	0.02	891	1.43
315	1	0.00	293	0.47	365	5	0.01	459	0.74	412	14	0.02	905	1.45
317	1	0.00	294	0.47	366	8	0.01	467	0.75	413	7	0.01	912	1.46
319	3	0.00	297	0.48	367	4	0.01	471	0.76	414	13	0.02	925	1.48
320	1	0.00	298	0.48	368	8	0.01	479	0.77	415	17	0.03	942	1.51
321	2	0.00	300	0.48	369	4	0.01	483	0.77	416	12	0.02	954	1.53
322	4	0.01	304	0.49	370	7	0.01	490	0.79	417	12	0.02	966	1.55
323	5	0.01	309	0.50	371	5	0.01	495	0.79	418	17	0.03	983	1.58
324	2	0.00	311	0.50	372	4	0.01	499	0.80	419	13	0.02	996	1.60





**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 %
702	38	0.06	61742	99.06	750	3	0.00	62299	99.95
703	29	0.05	61771	99.10	751	2	0.00	62301	99.95
704	38	0.06	61809	99.16	752	2	0.00	62303	99.96
705	24	0.04	61833	99.20	753	1	0.00	62304	99.96
706	22	0.04	61855	99.24	755	2	0.00	62306	99.96
707	28	0.04	61883	99.28	756	1	0.00	62307	99.96
708	25	0.04	61908	99.32	757	2	0.00	62309	99.96
709	30	0.05	61938	99.37	761	2	0.00	62311	99.97
710	21	0.03	61959	99.40	762	1	0.00	62312	99.97
711	18	0.03	61977	99.43	763	1	0.00	62313	99.97
712	12	0.02	61989	99.45	764	1	0.00	62314	99.97
713	18	0.03	62007	99.48	766	1	0.00	62315	99.97
714	13	0.02	62020	99.50	771	1	0.00	62316	99.98
715	22	0.04	62042	99.54	773	1	0.00	62317	99.98
716	15	0.02	62057	99.56	778	1	0.00	62318	99.98
717	16	0.03	62073	99.59	780	1	0.00	62319	99.98
718	16	0.03	62089	99.61	783	1	0.00	62320	99.98
719	10	0.02	62099	99.63	790	1	0.00	62321	99.98
720	12	0.02	62111	99.65	792	1	0.00	62322	99.99
721	12	0.02	62123	99.67	793	1	0.00	62323	99.99
722	16	0.03	62139	99.69	794	1	0.00	62324	99.99
723	7	0.01	62146	99.70	800	1	0.00	62325	99.99
724	10	0.02	62156	99.72	801	1	0.00	62326	99.99
725	8	0.01	62164	99.73	808	1	0.00	62327	99.99
726	9	0.01	62173	99.75	828	1	0.00	62328	100.00
727	14	0.02	62187	99.77	830	1	0.00	62329	100.00
728	5	0.01	62192	99.78	839	1	0.00	62330	100.00
729	8	0.01	62200	99.79	871	1	0.00	62331	100.00
730	6	0.01	62206	99.80					
731	7	0.01	62213	99.81					
732	12	0.02	62225	99.83					
733	10	0.02	62235	99.85					
734	9	0.01	62244	99.86					
735	5	0.01	62249	99.87					
736	3	0.00	62252	99.87					
737	4	0.01	62256	99.88					
738	5	0.01	62261	99.89					
739	5	0.01	62266	99.90					
740	3	0.00	62269	99.90					
741	2	0.00	62271	99.90					
742	3	0.00	62274	99.91					
743	4	0.01	62278	99.91					
745	4	0.01	62282	99.92					
746	4	0.01	62286	99.93					
747	1	0.00	62287	99.93					
748	6	0.01	62293	99.94					
749	3	0.00	62296	99.94					

**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 %
443	1	0.80	1	0.80	541	2	1.60	76	60.80
456	1	0.80	2	1.60	542	1	0.80	77	61.60
459	1	0.80	3	2.40	543	2	1.60	79	63.20
460	1	0.80	4	3.20	545	3	2.40	82	65.60
461	1	0.80	5	4.00	547	2	1.60	84	67.20
474	1	0.80	6	4.80	550	1	0.80	85	68.00
475	1	0.80	7	5.60	551	1	0.80	86	68.80
476	1	0.80	8	6.40	552	1	0.80	87	69.60
482	1	0.80	9	7.20	554	2	1.60	89	71.20
483	1	0.80	10	8.00	555	2	1.60	91	72.80
484	1	0.80	11	8.80	557	2	1.60	93	74.40
485	1	0.80	12	9.60	558	3	2.40	96	76.80
487	2	1.60	14	11.20	559	2	1.60	98	78.40
490	1	0.80	15	12.00	560	2	1.60	100	80.00
491	3	2.40	18	14.40	562	1	0.80	101	80.80
492	1	0.80	19	15.20	563	1	0.80	102	81.60
497	1	0.80	20	16.00	565	1	0.80	103	82.40
499	1	0.80	21	16.80	566	1	0.80	104	83.20
500	2	1.60	23	18.40	567	2	1.60	106	84.80
501	2	1.60	25	20.00	568	2	1.60	108	86.40
502	2	1.60	27	21.60	569	2	1.60	110	88.00
503	2	1.60	29	23.20	571	3	2.40	113	90.40
509	1	0.80	30	24.00	572	2	1.60	115	92.00
510	1	0.80	31	24.80	573	3	2.40	118	94.40
513	1	0.80	32	25.60	574	1	0.80	119	95.20
514	2	1.60	34	27.20	584	2	1.60	121	96.80
516	3	2.40	37	29.60	589	1	0.80	122	97.60
517	1	0.80	38	30.40	590	1	0.80	123	98.40
519	2	1.60	40	32.00	592	1	0.80	124	99.20
520	2	1.60	42	33.60	599	1	0.80	125	100.00
521	1	0.80	43	34.40					
522	2	1.60	45	36.00					
524	2	1.60	47	37.60					
525	2	1.60	49	39.20					
526	2	1.60	51	40.80					
527	1	0.80	52	41.60					
528	1	0.80	53	42.40					
529	1	0.80	54	43.20					
530	3	2.40	57	45.60					
532	2	1.60	59	47.20					
533	1	0.80	60	48.00					
534	5	4.00	65	52.00					
535	2	1.60	67	53.60					
536	2	1.60	69	55.20					
537	2	1.60	71	56.80					
539	1	0.80	72	57.60					
540	2	1.60	74	59.20					

**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	8	0.01	8	0.01	306	4	0.01	96	0.15	353	9	0.01	436	0.70
204	1	0.00	9	0.01	307	5	0.01	101	0.16	354	15	0.02	451	0.72
206	1	0.00	10	0.02	308	4	0.01	105	0.17	355	15	0.02	466	0.75
212	1	0.00	11	0.02	309	2	0.00	107	0.17	356	16	0.03	482	0.77
214	1	0.00	12	0.02	310	2	0.00	109	0.17	357	17	0.03	499	0.80
219	1	0.00	13	0.02	311	3	0.00	112	0.18	358	13	0.02	512	0.82
231	1	0.00	14	0.02	312	5	0.01	117	0.19	359	22	0.04	534	0.86
241	1	0.00	15	0.02	313	1	0.00	118	0.19	360	19	0.03	553	0.89
246	1	0.00	16	0.03	314	4	0.01	122	0.20	361	24	0.04	577	0.93
248	3	0.00	19	0.03	315	1	0.00	123	0.20	362	22	0.04	599	0.96
249	1	0.00	20	0.03	316	3	0.00	126	0.20	363	21	0.03	620	1.00
251	1	0.00	21	0.03	317	2	0.00	128	0.21	364	23	0.04	643	1.03
254	1	0.00	22	0.04	318	4	0.01	132	0.21	365	30	0.05	673	1.08
257	1	0.00	23	0.04	319	5	0.01	137	0.22	366	24	0.04	697	1.12
263	1	0.00	24	0.04	320	7	0.01	144	0.23	367	33	0.05	730	1.17
266	2	0.00	26	0.04	321	3	0.00	147	0.24	368	34	0.05	764	1.23
267	2	0.00	28	0.04	322	4	0.01	151	0.24	369	26	0.04	790	1.27
270	1	0.00	29	0.05	323	3	0.00	154	0.25	370	30	0.05	820	1.32
271	1	0.00	30	0.05	324	6	0.01	160	0.26	371	25	0.04	845	1.36
272	1	0.00	31	0.05	325	9	0.01	169	0.27	372	47	0.08	892	1.43
273	1	0.00	32	0.05	326	4	0.01	173	0.28	373	28	0.04	920	1.48
275	2	0.00	34	0.05	327	4	0.01	177	0.28	374	38	0.06	958	1.54
276	2	0.00	36	0.06	328	3	0.00	180	0.29	375	33	0.05	991	1.59
277	1	0.00	37	0.06	329	5	0.01	185	0.30	376	49	0.08	1040	1.67
278	1	0.00	38	0.06	330	4	0.01	189	0.30	377	33	0.05	1073	1.72
280	1	0.00	39	0.06	331	4	0.01	193	0.31	378	52	0.08	1125	1.81
282	2	0.00	41	0.07	332	4	0.01	197	0.32	379	39	0.06	1164	1.87
283	2	0.00	43	0.07	333	3	0.00	200	0.32	380	27	0.04	1191	1.91
285	1	0.00	44	0.07	334	12	0.02	212	0.34	381	51	0.08	1242	1.99
286	2	0.00	46	0.07	335	9	0.01	221	0.35	382	55	0.09	1297	2.08
287	2	0.00	48	0.08	336	18	0.03	239	0.38	383	47	0.08	1344	2.16
288	1	0.00	49	0.08	337	4	0.01	243	0.39	384	50	0.08	1394	2.24
289	3	0.00	52	0.08	338	8	0.01	251	0.40	385	66	0.11	1460	2.34
290	3	0.00	55	0.09	339	6	0.01	257	0.41	386	58	0.09	1518	2.44
291	3	0.00	58	0.09	340	10	0.02	267	0.43	387	67	0.11	1585	2.54
292	3	0.00	61	0.10	341	13	0.02	280	0.45	388	49	0.08	1634	2.62
293	1	0.00	62	0.10	342	10	0.02	290	0.47	389	56	0.09	1690	2.71
294	1	0.00	63	0.10	343	13	0.02	303	0.49	390	69	0.11	1759	2.82
295	5	0.01	68	0.11	344	16	0.03	319	0.51	391	78	0.13	1837	2.95
296	4	0.01	72	0.12	345	14	0.02	333	0.53	392	64	0.10	1901	3.05
299	1	0.00	73	0.12	346	7	0.01	340	0.55	393	66	0.11	1967	3.16
300	2	0.00	75	0.12	347	6	0.01	346	0.56	394	59	0.09	2026	3.25
301	2	0.00	77	0.12	348	20	0.03	366	0.59	395	73	0.12	2099	3.37
302	5	0.01	82	0.13	349	9	0.01	375	0.60	396	100	0.16	2199	3.53
303	3	0.00	85	0.14	350	15	0.02	390	0.63	397	97	0.16	2296	3.68
304	3	0.00	88	0.14	351	21	0.03	411	0.66	398	87	0.14	2383	3.82
305	4	0.01	92	0.15	352	16	0.03	427	0.69	399	96	0.15	2479	3.98





**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	306	0.49	52554	84.35	588	167	0.27	60472	97.05	635	9	0.01	61958	99.44
542	277	0.44	52831	84.79	589	62	0.10	60534	97.15	636	3	0.00	61961	99.44
543	312	0.50	53143	85.29	590	59	0.09	60593	97.25	637	4	0.01	61965	99.45
544	275	0.44	53418	85.73	591	58	0.09	60651	97.34	638	14	0.02	61979	99.47
545	293	0.47	53711	86.20	592	50	0.08	60701	97.42	639	47	0.08	62026	99.55
546	239	0.38	53950	86.59	593	47	0.08	60748	97.50	640	12	0.02	62038	99.57
547	251	0.40	54201	86.99	594	46	0.07	60794	97.57	641	4	0.01	62042	99.57
548	277	0.44	54478	87.43	595	49	0.08	60843	97.65	642	13	0.02	62055	99.59
549	255	0.41	54733	87.84	596	41	0.07	60884	97.71	643	15	0.02	62070	99.62
550	243	0.39	54976	88.23	597	48	0.08	60932	97.79	644	1	0.00	62071	99.62
551	245	0.39	55221	88.63	598	42	0.07	60974	97.86	645	7	0.01	62078	99.63
552	192	0.31	55413	88.93	599	50	0.08	61024	97.94	646	6	0.01	62084	99.64
553	216	0.35	55629	89.28	600	71	0.11	61095	98.05	647	5	0.01	62089	99.65
554	205	0.33	55834	89.61	601	46	0.07	61141	98.13	648	13	0.02	62102	99.67
555	206	0.33	56040	89.94	602	46	0.07	61187	98.20	649	6	0.01	62108	99.68
556	174	0.28	56214	90.22	603	37	0.06	61224	98.26	650	6	0.01	62114	99.69
557	225	0.36	56439	90.58	604	53	0.09	61277	98.35	651	4	0.01	62118	99.70
558	200	0.32	56639	90.90	605	20	0.03	61297	98.38	652	3	0.00	62121	99.70
559	174	0.28	56813	91.18	606	32	0.05	61329	98.43	653	1	0.00	62122	99.70
560	200	0.32	57013	91.50	607	25	0.04	61354	98.47	654	4	0.01	62126	99.71
561	143	0.23	57156	91.73	608	22	0.04	61376	98.50	657	4	0.01	62130	99.71
562	181	0.29	57337	92.02	609	51	0.08	61427	98.59	659	1	0.00	62131	99.72
563	147	0.24	57484	92.26	610	24	0.04	61451	98.62	660	3	0.00	62134	99.72
564	181	0.29	57665	92.55	611	27	0.04	61478	98.67	661	1	0.00	62135	99.72
565	151	0.24	57816	92.79	612	23	0.04	61501	98.70	663	29	0.05	62164	99.77
566	155	0.25	57971	93.04	613	37	0.06	61538	98.76	666	21	0.03	62185	99.80
567	148	0.24	58119	93.28	614	10	0.02	61548	98.78	667	11	0.02	62196	99.82
568	192	0.31	58311	93.59	615	31	0.05	61579	98.83	668	1	0.00	62197	99.82
569	145	0.23	58456	93.82	616	30	0.05	61609	98.88	670	21	0.03	62218	99.86
570	145	0.23	58601	94.05	617	26	0.04	61635	98.92	671	6	0.01	62224	99.87
571	127	0.20	58728	94.25	618	47	0.08	61682	99.00	674	4	0.01	62228	99.87
572	133	0.21	58861	94.47	619	13	0.02	61695	99.02	675	9	0.01	62237	99.89
573	98	0.16	58959	94.63	620	20	0.03	61715	99.05	678	5	0.01	62242	99.89
574	149	0.24	59108	94.86	621	46	0.07	61761	99.12	680	1	0.00	62243	99.90
575	85	0.14	59193	95.00	622	23	0.04	61784	99.16	681	1	0.00	62244	99.90
576	100	0.16	59293	95.16	623	23	0.04	61807	99.20	684	3	0.00	62247	99.90
577	112	0.18	59405	95.34	624	41	0.07	61848	99.26	688	2	0.00	62249	99.91
578	115	0.18	59520	95.53	625	16	0.03	61864	99.29	691	1	0.00	62250	99.91
579	171	0.27	59691	95.80	626	17	0.03	61881	99.31	695	2	0.00	62252	99.91
580	126	0.20	59817	96.00	627	7	0.01	61888	99.33	698	3	0.00	62255	99.91
581	64	0.10	59881	96.10	628	10	0.02	61898	99.34	704	6	0.01	62261	99.92
582	72	0.12	59953	96.22	629	16	0.03	61914	99.37	709	4	0.01	62265	99.93
583	85	0.14	60038	96.36	630	13	0.02	61927	99.39	711	17	0.03	62282	99.96
584	68	0.11	60106	96.47	631	3	0.00	61930	99.39	713	1	0.00	62283	99.96
585	60	0.10	60166	96.56	632	6	0.01	61936	99.40	716	10	0.02	62293	99.98
586	70	0.11	60236	96.67	633	9	0.01	61945	99.42	727	1	0.00	62294	99.98
587	69	0.11	60305	96.79	634	4	0.01	61949	99.42	730	14	0.02	62308	100.00

**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 %
398	1	0.82	1	0.82	515	2	1.64	68	55.74
406	1	0.82	2	1.64	516	2	1.64	70	57.38
409	1	0.82	3	2.46	517	1	0.82	71	58.20
411	1	0.82	4	3.28	520	1	0.82	72	59.02
413	1	0.82	5	4.10	521	2	1.64	74	60.66
421	1	0.82	6	4.92	522	1	0.82	75	61.48
425	1	0.82	7	5.74	523	1	0.82	76	62.30
437	1	0.82	8	6.56	524	1	0.82	77	63.11
440	1	0.82	9	7.38	525	1	0.82	78	63.93
442	1	0.82	10	8.20	526	2	1.64	80	65.57
443	1	0.82	11	9.02	528	2	1.64	82	67.21
446	1	0.82	12	9.84	529	2	1.64	84	68.85
449	1	0.82	13	10.66	530	1	0.82	85	69.67
460	1	0.82	14	11.48	531	1	0.82	86	70.49
461	2	1.64	16	13.11	533	3	2.46	89	72.95
463	1	0.82	17	13.93	535	1	0.82	90	73.77
465	1	0.82	18	14.75	536	1	0.82	91	74.59
466	1	0.82	19	15.57	537	1	0.82	92	75.41
467	1	0.82	20	16.39	539	2	1.64	94	77.05
468	1	0.82	21	17.21	540	1	0.82	95	77.87
469	1	0.82	22	18.03	541	1	0.82	96	78.69
472	1	0.82	23	18.85	542	1	0.82	97	79.51
473	1	0.82	24	19.67	543	2	1.64	99	81.15
474	1	0.82	25	20.49	545	1	0.82	100	81.97
480	1	0.82	26	21.31	546	1	0.82	101	82.79
481	1	0.82	27	22.13	548	4	3.28	105	86.07
483	3	2.46	30	24.59	549	1	0.82	106	86.89
487	1	0.82	31	25.41	550	1	0.82	107	87.70
488	2	1.64	33	27.05	553	1	0.82	108	88.52
489	1	0.82	34	27.87	559	2	1.64	110	90.16
491	2	1.64	36	29.51	561	1	0.82	111	90.98
492	1	0.82	37	30.33	562	2	1.64	113	92.62
493	2	1.64	39	31.97	564	1	0.82	114	93.44
495	1	0.82	40	32.79	571	1	0.82	115	94.26
498	2	1.64	42	34.43	572	1	0.82	116	95.08
499	1	0.82	43	35.25	575	1	0.82	117	95.90
500	1	0.82	44	36.07	576	1	0.82	118	96.72
501	2	1.64	46	37.70	579	1	0.82	119	97.54
502	3	2.46	49	40.16	580	1	0.82	120	98.36
504	3	2.46	52	42.62	581	1	0.82	121	99.18
505	3	2.46	55	45.08	582	1	0.82	122	100.00
506	1	0.82	56	45.90					
507	4	3.28	60	49.18					
508	1	0.82	61	50.00					
511	1	0.82	62	50.82					
512	3	2.46	65	53.28					
514	1	0.82	66	54.10					

**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	85	0.14	85	0.14	233	5	0.01	225	0.36	281	10	0.02	610	0.98
181	1	0.00	86	0.14	234	5	0.01	230	0.37	282	10	0.02	620	0.99
183	1	0.00	87	0.14	236	4	0.01	234	0.37	283	16	0.03	636	1.02
184	2	0.00	89	0.14	237	6	0.01	240	0.38	284	12	0.02	648	1.04
185	4	0.01	93	0.15	238	6	0.01	246	0.39	285	16	0.03	664	1.06
186	2	0.00	95	0.15	239	4	0.01	250	0.40	286	15	0.02	679	1.09
187	2	0.00	97	0.16	240	4	0.01	254	0.41	287	13	0.02	692	1.11
188	1	0.00	98	0.16	241	7	0.01	261	0.42	288	28	0.04	720	1.15
190	2	0.00	100	0.16	242	7	0.01	268	0.43	289	26	0.04	746	1.19
191	1	0.00	101	0.16	243	8	0.01	276	0.44	290	17	0.03	763	1.22
195	2	0.00	103	0.16	244	2	0.00	278	0.44	291	13	0.02	776	1.24
196	1	0.00	104	0.17	245	9	0.01	287	0.46	292	12	0.02	788	1.26
197	3	0.00	107	0.17	246	6	0.01	293	0.47	293	13	0.02	801	1.28
198	6	0.01	113	0.18	247	7	0.01	300	0.48	294	18	0.03	819	1.31
199	1	0.00	114	0.18	248	5	0.01	305	0.49	295	22	0.04	841	1.35
200	2	0.00	116	0.19	249	6	0.01	311	0.50	296	18	0.03	859	1.37
201	3	0.00	119	0.19	250	7	0.01	318	0.51	297	25	0.04	884	1.41
202	2	0.00	121	0.19	251	6	0.01	324	0.52	298	23	0.04	907	1.45
203	2	0.00	123	0.20	252	5	0.01	329	0.53	299	19	0.03	926	1.48
204	4	0.01	127	0.20	253	4	0.01	333	0.53	300	20	0.03	946	1.51
205	2	0.00	129	0.21	254	7	0.01	340	0.54	301	15	0.02	961	1.54
206	6	0.01	135	0.22	255	6	0.01	346	0.55	302	21	0.03	982	1.57
207	4	0.01	139	0.22	256	6	0.01	352	0.56	303	28	0.04	1010	1.62
208	2	0.00	141	0.23	257	6	0.01	358	0.57	304	24	0.04	1034	1.65
209	7	0.01	148	0.24	258	6	0.01	364	0.58	305	19	0.03	1053	1.68
210	4	0.01	152	0.24	259	8	0.01	372	0.60	306	23	0.04	1076	1.72
212	4	0.01	156	0.25	260	10	0.02	382	0.61	307	27	0.04	1103	1.76
213	2	0.00	158	0.25	261	13	0.02	395	0.63	308	31	0.05	1134	1.81
214	2	0.00	160	0.26	262	9	0.01	404	0.65	309	23	0.04	1157	1.85
215	3	0.00	163	0.26	263	7	0.01	411	0.66	310	29	0.05	1186	1.90
216	2	0.00	165	0.26	264	9	0.01	420	0.67	311	20	0.03	1206	1.93
217	5	0.01	170	0.27	265	8	0.01	428	0.68	312	18	0.03	1224	1.96
218	2	0.00	172	0.28	266	11	0.02	439	0.70	313	28	0.04	1252	2.00
219	2	0.00	174	0.28	267	7	0.01	446	0.71	314	22	0.04	1274	2.04
220	2	0.00	176	0.28	268	11	0.02	457	0.73	315	27	0.04	1301	2.08
221	4	0.01	180	0.29	269	12	0.02	469	0.75	316	28	0.04	1329	2.13
222	5	0.01	185	0.30	270	12	0.02	481	0.77	317	26	0.04	1355	2.17
223	6	0.01	191	0.31	271	16	0.03	497	0.80	318	27	0.04	1382	2.21
224	3	0.00	194	0.31	272	13	0.02	510	0.82	319	35	0.06	1417	2.27
225	3	0.00	197	0.32	273	7	0.01	517	0.83	320	33	0.05	1450	2.32
226	4	0.01	201	0.32	274	10	0.02	527	0.84	321	34	0.05	1484	2.37
227	2	0.00	203	0.32	275	15	0.02	542	0.87	322	36	0.06	1520	2.43
228	2	0.00	205	0.33	276	10	0.02	552	0.88	323	23	0.04	1543	2.47
229	2	0.00	207	0.33	277	16	0.03	568	0.91	324	39	0.06	1582	2.53
230	4	0.01	211	0.34	278	9	0.01	577	0.92	325	39	0.06	1621	2.59
231	5	0.01	216	0.35	279	7	0.01	584	0.93	326	30	0.05	1651	2.64
232	4	0.01	220	0.35	280	16	0.03	600	0.96	327	38	0.06	1689	2.70

**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 %
328	48	0.08	1737	2.78	375	89	0.14	4582	7.33	422	194	0.31	10766	17.22
329	34	0.05	1771	2.83	376	76	0.12	4658	7.45	423	201	0.32	10967	17.54
330	32	0.05	1803	2.88	377	110	0.18	4768	7.63	424	185	0.30	11152	17.84
331	32	0.05	1835	2.94	378	101	0.16	4869	7.79	425	183	0.29	11335	18.13
332	40	0.06	1875	3.00	379	101	0.16	4970	7.95	426	223	0.36	11558	18.49
333	37	0.06	1912	3.06	380	75	0.12	5045	8.07	427	196	0.31	11754	18.80
334	48	0.08	1960	3.14	381	87	0.14	5132	8.21	428	194	0.31	11948	19.11
335	35	0.06	1995	3.19	382	100	0.16	5232	8.37	429	199	0.32	12147	19.43
336	45	0.07	2040	3.26	383	98	0.16	5330	8.53	430	216	0.35	12363	19.78
337	44	0.07	2084	3.33	384	108	0.17	5438	8.70	431	215	0.34	12578	20.12
338	49	0.08	2133	3.41	385	110	0.18	5548	8.88	432	230	0.37	12808	20.49
339	46	0.07	2179	3.49	386	100	0.16	5648	9.04	433	187	0.30	12995	20.79
340	52	0.08	2231	3.57	387	114	0.18	5762	9.22	434	227	0.36	13222	21.15
341	56	0.09	2287	3.66	388	106	0.17	5868	9.39	435	206	0.33	13428	21.48
342	50	0.08	2337	3.74	389	88	0.14	5956	9.53	436	239	0.38	13667	21.86
343	53	0.08	2390	3.82	390	113	0.18	6069	9.71	437	230	0.37	13897	22.23
344	47	0.08	2437	3.90	391	123	0.20	6192	9.91	438	218	0.35	14115	22.58
345	52	0.08	2489	3.98	392	118	0.19	6310	10.09	439	208	0.33	14323	22.91
346	47	0.08	2536	4.06	393	109	0.17	6419	10.27	440	215	0.34	14538	23.26
347	52	0.08	2588	4.14	394	111	0.18	6530	10.45	441	249	0.40	14787	23.66
348	56	0.09	2644	4.23	395	127	0.20	6657	10.65	442	224	0.36	15011	24.01
349	68	0.11	2712	4.34	396	127	0.20	6784	10.85	443	258	0.41	15269	24.43
350	58	0.09	2770	4.43	397	119	0.19	6903	11.04	444	238	0.38	15507	24.81
351	64	0.10	2834	4.53	398	129	0.21	7032	11.25	445	241	0.39	15748	25.19
352	72	0.12	2906	4.65	399	116	0.19	7148	11.43	446	230	0.37	15978	25.56
353	62	0.10	2968	4.75	400	135	0.22	7283	11.65	447	232	0.37	16210	25.93
354	51	0.08	3019	4.83	401	114	0.18	7397	11.83	448	276	0.44	16486	26.37
355	71	0.11	3090	4.94	402	121	0.19	7518	12.03	449	255	0.41	16741	26.78
356	84	0.13	3174	5.08	403	139	0.22	7657	12.25	450	245	0.39	16986	27.17
357	62	0.10	3236	5.18	404	121	0.19	7778	12.44	451	252	0.40	17238	27.58
358	44	0.07	3280	5.25	405	131	0.21	7909	12.65	452	266	0.43	17504	28.00
359	65	0.10	3345	5.35	406	129	0.21	8038	12.86	453	247	0.40	17751	28.40
360	64	0.10	3409	5.45	407	152	0.24	8190	13.10	454	264	0.42	18015	28.82
361	68	0.11	3477	5.56	408	157	0.25	8347	13.35	455	267	0.43	18282	29.25
362	67	0.11	3544	5.67	409	142	0.23	8489	13.58	456	311	0.50	18593	29.74
363	62	0.10	3606	5.77	410	161	0.26	8650	13.84	457	279	0.45	18872	30.19
364	77	0.12	3683	5.89	411	162	0.26	8812	14.10	458	274	0.44	19146	30.63
365	86	0.14	3769	6.03	412	175	0.28	8987	14.38	459	295	0.47	19441	31.10
366	81	0.13	3850	6.16	413	177	0.28	9164	14.66	460	286	0.46	19727	31.56
367	81	0.13	3931	6.29	414	191	0.31	9355	14.97	461	286	0.46	20013	32.02
368	93	0.15	4024	6.44	415	157	0.25	9512	15.22	462	301	0.48	20314	32.50
369	84	0.13	4108	6.57	416	179	0.29	9691	15.50	463	273	0.44	20587	32.93
370	77	0.12	4185	6.69	417	174	0.28	9865	15.78	464	301	0.48	20888	33.41
371	71	0.11	4256	6.81	418	174	0.28	10039	16.06	465	286	0.46	21174	33.87
372	64	0.10	4320	6.91	419	171	0.27	10210	16.33	466	299	0.48	21473	34.35
373	95	0.15	4415	7.06	420	168	0.27	10378	16.60	467	310	0.50	21783	34.85
374	78	0.12	4493	7.19	421	194	0.31	10572	16.91	468	280	0.45	22063	35.29

**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 %
469	316	0.51	22379	35.80	516	322	0.52	38155	61.04	563	264	0.42	52105	83.35
470	320	0.51	22699	36.31	517	374	0.60	38529	61.64	564	225	0.36	52330	83.71
471	346	0.55	23045	36.87	518	316	0.51	38845	62.14	565	202	0.32	52532	84.04
472	285	0.46	23330	37.32	519	353	0.56	39198	62.71	566	235	0.38	52767	84.41
473	298	0.48	23628	37.80	520	345	0.55	39543	63.26	567	258	0.41	53025	84.83
474	309	0.49	23937	38.29	521	329	0.53	39872	63.78	568	191	0.31	53216	85.13
475	322	0.52	24259	38.81	522	392	0.63	40264	64.41	569	232	0.37	53448	85.50
476	325	0.52	24584	39.33	523	366	0.59	40630	65.00	570	215	0.34	53663	85.85
477	310	0.50	24894	39.82	524	331	0.53	40961	65.53	571	196	0.31	53859	86.16
478	323	0.52	25217	40.34	525	314	0.50	41275	66.03	572	176	0.28	54035	86.44
479	312	0.50	25529	40.84	526	340	0.54	41615	66.57	573	208	0.33	54243	86.77
480	308	0.49	25837	41.33	527	333	0.53	41948	67.10	574	194	0.31	54437	87.08
481	357	0.57	26194	41.90	528	346	0.55	42294	67.66	575	189	0.30	54626	87.39
482	302	0.48	26496	42.39	529	307	0.49	42601	68.15	576	181	0.29	54807	87.68
483	336	0.54	26832	42.92	530	298	0.48	42899	68.63	577	172	0.28	54979	87.95
484	362	0.58	27194	43.50	531	307	0.49	43206	69.12	578	158	0.25	55137	88.20
485	349	0.56	27543	44.06	532	314	0.50	43520	69.62	579	162	0.26	55299	88.46
486	330	0.53	27873	44.59	533	305	0.49	43825	70.11	580	154	0.25	55453	88.71
487	363	0.58	28236	45.17	534	304	0.49	44129	70.59	581	168	0.27	55621	88.98
488	359	0.57	28595	45.74	535	309	0.49	44438	71.09	582	165	0.26	55786	89.24
489	358	0.57	28953	46.32	536	303	0.48	44741	71.57	583	153	0.24	55939	89.49
490	321	0.51	29274	46.83	537	323	0.52	45064	72.09	584	163	0.26	56102	89.75
491	321	0.51	29595	47.34	538	276	0.44	45340	72.53	585	157	0.25	56259	90.00
492	325	0.52	29920	47.86	539	308	0.49	45648	73.02	586	163	0.26	56422	90.26
493	342	0.55	30262	48.41	540	271	0.43	45919	73.46	587	141	0.23	56563	90.48
494	343	0.55	30605	48.96	541	315	0.50	46234	73.96	588	147	0.24	56710	90.72
495	339	0.54	30944	49.50	542	295	0.47	46529	74.43	589	128	0.20	56838	90.92
496	325	0.52	31269	50.02	543	284	0.45	46813	74.89	590	143	0.23	56981	91.15
497	370	0.59	31639	50.61	544	314	0.50	47127	75.39	591	136	0.22	57117	91.37
498	331	0.53	31970	51.14	545	263	0.42	47390	75.81	592	124	0.20	57241	91.57
499	368	0.59	32338	51.73	546	294	0.47	47684	76.28	593	151	0.24	57392	91.81
500	328	0.52	32666	52.26	547	273	0.44	47957	76.72	594	143	0.23	57535	92.04
501	337	0.54	33003	52.80	548	283	0.45	48240	77.17	595	118	0.19	57653	92.23
502	342	0.55	33345	53.34	549	289	0.46	48529	77.63	596	134	0.21	57787	92.44
503	329	0.53	33674	53.87	550	274	0.44	48803	78.07	597	127	0.20	57914	92.65
504	362	0.58	34036	54.45	551	246	0.39	49049	78.46	598	117	0.19	58031	92.83
505	320	0.51	34356	54.96	552	286	0.46	49335	78.92	599	97	0.16	58128	92.99
506	338	0.54	34694	55.50	553	275	0.44	49610	79.36	600	116	0.19	58244	93.17
507	345	0.55	35039	56.05	554	280	0.45	49890	79.81	601	92	0.15	58336	93.32
508	357	0.57	35396	56.62	555	266	0.43	50156	80.24	602	108	0.17	58444	93.49
509	373	0.60	35769	57.22	556	249	0.40	50405	80.63	603	123	0.20	58567	93.69
510	346	0.55	36115	57.77	557	255	0.41	50660	81.04	604	109	0.17	58676	93.87
511	314	0.50	36429	58.28	558	220	0.35	50880	81.39	605	103	0.16	58779	94.03
512	348	0.56	36777	58.83	559	204	0.33	51084	81.72	606	98	0.16	58877	94.19
513	342	0.55	37119	59.38	560	254	0.41	51338	82.13	607	93	0.15	58970	94.34
514	356	0.57	37475	59.95	561	251	0.40	51589	82.53	608	88	0.14	59058	94.48
515	358	0.57	37833	60.52	562	252	0.40	51841	82.93	609	88	0.14	59146	94.62

**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 %
610	86	0.14	59232	94.75	657	20	0.03	61595	98.53	706	11	0.02	62205	99.51
611	90	0.14	59322	94.90	658	23	0.04	61618	98.57	707	1	0.00	62206	99.51
612	81	0.13	59403	95.03	659	17	0.03	61635	98.60	709	13	0.02	62219	99.53
613	79	0.13	59482	95.15	660	45	0.07	61680	98.67	710	15	0.02	62234	99.56
614	98	0.16	59580	95.31	661	11	0.02	61691	98.69	711	29	0.05	62263	99.60
615	83	0.13	59663	95.44	662	12	0.02	61703	98.71	712	3	0.00	62266	99.61
616	80	0.13	59743	95.57	663	45	0.07	61748	98.78	713	1	0.00	62267	99.61
617	80	0.13	59823	95.70	664	12	0.02	61760	98.80	715	1	0.00	62268	99.61
618	67	0.11	59890	95.81	665	13	0.02	61773	98.82	716	9	0.01	62277	99.63
619	96	0.15	59986	95.96	666	20	0.03	61793	98.85	717	12	0.02	62289	99.64
620	75	0.12	60061	96.08	667	8	0.01	61801	98.86	718	2	0.00	62291	99.65
621	75	0.12	60136	96.20	668	21	0.03	61822	98.90	720	8	0.01	62299	99.66
622	72	0.12	60208	96.32	669	21	0.03	61843	98.93	721	1	0.00	62300	99.66
623	65	0.10	60273	96.42	670	7	0.01	61850	98.94	722	1	0.00	62301	99.66
624	68	0.11	60341	96.53	671	20	0.03	61870	98.97	724	2	0.00	62303	99.67
625	51	0.08	60392	96.61	672	24	0.04	61894	99.01	727	2	0.00	62305	99.67
626	63	0.10	60455	96.71	673	12	0.02	61906	99.03	729	2	0.00	62307	99.67
627	52	0.08	60507	96.79	674	6	0.01	61912	99.04	730	23	0.04	62330	99.71
628	56	0.09	60563	96.88	675	9	0.01	61921	99.06	731	7	0.01	62337	99.72
629	45	0.07	60608	96.96	676	14	0.02	61935	99.08	736	2	0.00	62339	99.72
630	57	0.09	60665	97.05	677	8	0.01	61943	99.09	737	8	0.01	62347	99.74
631	56	0.09	60721	97.14	678	8	0.01	61951	99.10	738	2	0.00	62349	99.74
632	45	0.07	60766	97.21	679	11	0.02	61962	99.12	739	23	0.04	62372	99.78
633	45	0.07	60811	97.28	680	7	0.01	61969	99.13	743	1	0.00	62373	99.78
634	43	0.07	60854	97.35	681	7	0.01	61976	99.14	750	2	0.00	62375	99.78
635	38	0.06	60892	97.41	682	13	0.02	61989	99.16	755	4	0.01	62379	99.79
636	44	0.07	60936	97.48	683	16	0.03	62005	99.19	756	5	0.01	62384	99.80
637	48	0.08	60984	97.56	684	4	0.01	62009	99.20	759	21	0.03	62405	99.83
638	28	0.04	61012	97.60	685	5	0.01	62014	99.20	769	41	0.07	62446	99.90
639	49	0.08	61061	97.68	686	7	0.01	62021	99.22	771	12	0.02	62458	99.92
640	41	0.07	61102	97.75	687	12	0.02	62033	99.24	778	2	0.00	62460	99.92
641	37	0.06	61139	97.81	688	3	0.00	62036	99.24	780	51	0.08	62511	100.00
642	34	0.05	61173	97.86	689	8	0.01	62044	99.25					
643	40	0.06	61213	97.92	690	16	0.03	62060	99.28					
644	28	0.04	61241	97.97	691	21	0.03	62081	99.31					
645	37	0.06	61278	98.03	692	6	0.01	62087	99.32					
646	32	0.05	61310	98.08	693	3	0.00	62090	99.33					
647	22	0.04	61332	98.11	694	13	0.02	62103	99.35					
648	39	0.06	61371	98.18	695	33	0.05	62136	99.40					
649	41	0.07	61412	98.24	696	14	0.02	62150	99.42					
650	34	0.05	61446	98.30	699	3	0.00	62153	99.43					
651	21	0.03	61467	98.33	700	23	0.04	62176	99.46					
652	21	0.03	61488	98.36	701	2	0.00	62178	99.47					
653	29	0.05	61517	98.41	702	2	0.00	62180	99.47					
654	16	0.03	61533	98.44	703	2	0.00	62182	99.47					
655	24	0.04	61557	98.47	704	5	0.01	62187	99.48					
656	18	0.03	61575	98.50	705	7	0.01	62194	99.49					

**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	291	0.47	291	0.47	362	2	0.00	381	0.62	409	10	0.02	635	1.03
224	1	0.00	292	0.47	363	7	0.01	388	0.63	410	8	0.01	643	1.04
243	1	0.00	293	0.47	364	5	0.01	393	0.64	411	16	0.03	659	1.07
274	1	0.00	294	0.48	365	4	0.01	397	0.64	412	8	0.01	667	1.08
286	1	0.00	295	0.48	366	3	0.00	400	0.65	413	8	0.01	675	1.09
288	1	0.00	296	0.48	367	2	0.00	402	0.65	414	14	0.02	689	1.12
292	1	0.00	297	0.48	368	4	0.01	406	0.66	415	10	0.02	699	1.13
293	2	0.00	299	0.48	369	5	0.01	411	0.67	416	8	0.01	707	1.15
295	1	0.00	300	0.49	370	3	0.00	414	0.67	417	5	0.01	712	1.15
300	1	0.00	301	0.49	371	1	0.00	415	0.67	418	7	0.01	719	1.16
303	1	0.00	302	0.49	372	5	0.01	420	0.68	419	11	0.02	730	1.18
305	1	0.00	303	0.49	373	1	0.00	421	0.68	420	9	0.01	739	1.20
306	1	0.00	304	0.49	374	4	0.01	425	0.69	421	9	0.01	748	1.21
308	2	0.00	306	0.50	375	1	0.00	426	0.69	422	8	0.01	756	1.22
309	1	0.00	307	0.50	376	5	0.01	431	0.70	423	14	0.02	770	1.25
310	1	0.00	308	0.50	377	2	0.00	433	0.70	424	12	0.02	782	1.27
313	3	0.00	311	0.50	378	1	0.00	434	0.70	425	12	0.02	794	1.29
315	1	0.00	312	0.51	379	4	0.01	438	0.71	426	19	0.03	813	1.32
323	1	0.00	313	0.51	380	5	0.01	443	0.72	427	12	0.02	825	1.34
328	3	0.00	316	0.51	381	11	0.02	454	0.74	428	13	0.02	838	1.36
329	3	0.00	319	0.52	382	6	0.01	460	0.75	429	13	0.02	851	1.38
331	3	0.00	322	0.52	383	5	0.01	465	0.75	430	20	0.03	871	1.41
332	4	0.01	326	0.53	384	7	0.01	472	0.76	431	12	0.02	883	1.43
333	2	0.00	328	0.53	385	3	0.00	475	0.77	432	13	0.02	896	1.45
334	3	0.00	331	0.54	386	8	0.01	483	0.78	433	13	0.02	909	1.47
336	2	0.00	333	0.54	387	4	0.01	487	0.79	434	14	0.02	923	1.50
337	1	0.00	334	0.54	388	8	0.01	495	0.80	435	16	0.03	939	1.52
341	3	0.00	337	0.55	389	2	0.00	497	0.81	436	20	0.03	959	1.55
342	2	0.00	339	0.55	390	2	0.00	499	0.81	437	13	0.02	972	1.57
343	2	0.00	341	0.55	391	9	0.01	508	0.82	438	26	0.04	998	1.62
344	6	0.01	347	0.56	392	4	0.01	512	0.83	439	19	0.03	1017	1.65
345	2	0.00	349	0.57	393	5	0.01	517	0.84	440	15	0.02	1032	1.67
346	2	0.00	351	0.57	394	3	0.00	520	0.84	441	17	0.03	1049	1.70
347	1	0.00	352	0.57	395	8	0.01	528	0.86	442	9	0.01	1058	1.71
348	1	0.00	353	0.57	396	5	0.01	533	0.86	443	18	0.03	1076	1.74
349	2	0.00	355	0.58	397	7	0.01	540	0.87	444	15	0.02	1091	1.77
350	2	0.00	357	0.58	398	10	0.02	550	0.89	445	22	0.04	1113	1.80
352	1	0.00	358	0.58	399	3	0.00	553	0.90	446	19	0.03	1132	1.83
353	2	0.00	360	0.58	400	7	0.01	560	0.91	447	16	0.03	1148	1.86
354	3	0.00	363	0.59	401	7	0.01	567	0.92	448	23	0.04	1171	1.90
355	3	0.00	366	0.59	402	10	0.02	577	0.93	449	23	0.04	1194	1.93
356	1	0.00	367	0.59	403	5	0.01	582	0.94	450	27	0.04	1221	1.98
357	1	0.00	368	0.60	404	9	0.01	591	0.96	451	23	0.04	1244	2.02
358	2	0.00	370	0.60	405	10	0.02	601	0.97	452	26	0.04	1270	2.06
359	2	0.00	372	0.60	406	11	0.02	612	0.99	453	20	0.03	1290	2.09
360	6	0.01	378	0.61	407	5	0.01	617	1.00	454	30	0.05	1320	2.14
361	1	0.00	379	0.61	408	8	0.01	625	1.01	455	34	0.06	1354	2.19

**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 %
456	32	0.05	1386	2.25	503	67	0.11	3722	6.03	550	183	0.30	9553	15.48
457	33	0.05	1419	2.30	504	67	0.11	3789	6.14	551	176	0.29	9729	15.76
458	23	0.04	1442	2.34	505	90	0.15	3879	6.28	552	178	0.29	9907	16.05
459	22	0.04	1464	2.37	506	73	0.12	3952	6.40	553	190	0.31	10097	16.36
460	33	0.05	1497	2.43	507	82	0.13	4034	6.54	554	190	0.31	10287	16.67
461	31	0.05	1528	2.48	508	74	0.12	4108	6.66	555	194	0.31	10481	16.98
462	31	0.05	1559	2.53	509	90	0.15	4198	6.80	556	216	0.35	10697	17.33
463	21	0.03	1580	2.56	510	85	0.14	4283	6.94	557	199	0.32	10896	17.65
464	35	0.06	1615	2.62	511	97	0.16	4380	7.10	558	204	0.33	11100	17.98
465	31	0.05	1646	2.67	512	60	0.10	4440	7.19	559	200	0.32	11300	18.31
466	37	0.06	1683	2.73	513	72	0.12	4512	7.31	560	218	0.35	11518	18.66
467	44	0.07	1727	2.80	514	91	0.15	4603	7.46	561	227	0.37	11745	19.03
468	26	0.04	1753	2.84	515	100	0.16	4703	7.62	562	224	0.36	11969	19.39
469	36	0.06	1789	2.90	516	97	0.16	4800	7.78	563	246	0.40	12215	19.79
470	44	0.07	1833	2.97	517	108	0.17	4908	7.95	564	231	0.37	12446	20.16
471	26	0.04	1859	3.01	518	100	0.16	5008	8.11	565	244	0.40	12690	20.56
472	47	0.08	1906	3.09	519	102	0.17	5110	8.28	566	263	0.43	12953	20.99
473	45	0.07	1951	3.16	520	100	0.16	5210	8.44	567	261	0.42	13214	21.41
474	43	0.07	1994	3.23	521	106	0.17	5316	8.61	568	243	0.39	13457	21.80
475	47	0.08	2041	3.31	522	117	0.19	5433	8.80	569	251	0.41	13708	22.21
476	45	0.07	2086	3.38	523	111	0.18	5544	8.98	570	250	0.41	13958	22.61
477	59	0.10	2145	3.48	524	112	0.18	5656	9.16	571	259	0.42	14217	23.03
478	41	0.07	2186	3.54	525	112	0.18	5768	9.34	572	233	0.38	14450	23.41
479	70	0.11	2256	3.65	526	136	0.22	5904	9.57	573	268	0.43	14718	23.84
480	44	0.07	2300	3.73	527	102	0.17	6006	9.73	574	253	0.41	14971	24.25
481	52	0.08	2352	3.81	528	122	0.20	6128	9.93	575	291	0.47	15262	24.73
482	57	0.09	2409	3.90	529	138	0.22	6266	10.15	576	286	0.46	15548	25.19
483	66	0.11	2475	4.01	530	125	0.20	6391	10.35	577	308	0.50	15856	25.69
484	74	0.12	2549	4.13	531	118	0.19	6509	10.55	578	295	0.48	16151	26.17
485	50	0.08	2599	4.21	532	127	0.21	6636	10.75	579	292	0.47	16443	26.64
486	38	0.06	2637	4.27	533	126	0.20	6762	10.96	580	316	0.51	16759	27.15
487	53	0.09	2690	4.36	534	132	0.21	6894	11.17	581	291	0.47	17050	27.62
488	44	0.07	2734	4.43	535	142	0.23	7036	11.40	582	322	0.52	17372	28.14
489	68	0.11	2802	4.54	536	156	0.25	7192	11.65	583	285	0.46	17657	28.61
490	65	0.11	2867	4.64	537	143	0.23	7335	11.88	584	297	0.48	17954	29.09
491	53	0.09	2920	4.73	538	134	0.22	7469	12.10	585	278	0.45	18232	29.54
492	59	0.10	2979	4.83	539	140	0.23	7609	12.33	586	343	0.56	18575	30.09
493	64	0.10	3043	4.93	540	160	0.26	7769	12.59	587	342	0.55	18917	30.65
494	51	0.08	3094	5.01	541	158	0.26	7927	12.84	588	349	0.57	19266	31.21
495	73	0.12	3167	5.13	542	154	0.25	8081	13.09	589	335	0.54	19601	31.76
496	81	0.13	3248	5.26	543	184	0.30	8265	13.39	590	322	0.52	19923	32.28
497	65	0.11	3313	5.37	544	171	0.28	8436	13.67	591	351	0.57	20274	32.85
498	64	0.10	3377	5.47	545	174	0.28	8610	13.95	592	387	0.63	20661	33.47
499	58	0.09	3435	5.57	546	191	0.31	8801	14.26	593	373	0.60	21034	34.08
500	77	0.12	3512	5.69	547	187	0.30	8988	14.56	594	338	0.55	21372	34.63
501	55	0.09	3567	5.78	548	171	0.28	9159	14.84	595	357	0.58	21729	35.20
502	88	0.14	3655	5.92	549	211	0.34	9370	15.18	596	393	0.64	22122	35.84





**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 %
738	33	0.05	61163	99.09	786	3	0.00	61689	99.94
739	24	0.04	61187	99.13	787	2	0.00	61691	99.95
740	27	0.04	61214	99.17	788	3	0.00	61694	99.95
741	27	0.04	61241	99.22	789	2	0.00	61696	99.95
742	31	0.05	61272	99.27	790	1	0.00	61697	99.96
743	20	0.03	61292	99.30	791	3	0.00	61700	99.96
744	24	0.04	61316	99.34	792	3	0.00	61703	99.97
745	17	0.03	61333	99.37	793	2	0.00	61705	99.97
746	21	0.03	61354	99.40	795	1	0.00	61706	99.97
747	15	0.02	61369	99.42	799	2	0.00	61708	99.97
748	18	0.03	61387	99.45	800	1	0.00	61709	99.98
749	19	0.03	61406	99.48	801	1	0.00	61710	99.98
750	15	0.02	61421	99.51	803	1	0.00	61711	99.98
751	7	0.01	61428	99.52	805	1	0.00	61712	99.98
752	19	0.03	61447	99.55	806	1	0.00	61713	99.98
753	12	0.02	61459	99.57	811	1	0.00	61714	99.98
754	16	0.03	61475	99.60	812	1	0.00	61715	99.99
755	15	0.02	61490	99.62	813	1	0.00	61716	99.99
756	15	0.02	61505	99.65	817	2	0.00	61718	99.99
757	18	0.03	61523	99.67	819	2	0.00	61720	99.99
758	10	0.02	61533	99.69	823	1	0.00	61721	100.00
759	7	0.01	61540	99.70	828	1	0.00	61722	100.00
760	7	0.01	61547	99.71	834	1	0.00	61723	100.00
761	6	0.01	61553	99.72	836	1	0.00	61724	100.00
762	8	0.01	61561	99.74					
763	12	0.02	61573	99.76					
764	13	0.02	61586	99.78					
765	6	0.01	61592	99.79					
766	10	0.02	61602	99.80					
767	10	0.02	61612	99.82					
768	7	0.01	61619	99.83					
769	8	0.01	61627	99.84					
770	2	0.00	61629	99.85					
771	6	0.01	61635	99.86					
772	1	0.00	61636	99.86					
773	6	0.01	61642	99.87					
774	3	0.00	61645	99.87					
775	8	0.01	61653	99.88					
776	3	0.00	61656	99.89					
777	5	0.01	61661	99.90					
778	6	0.01	61667	99.91					
779	5	0.01	61672	99.92					
780	2	0.00	61674	99.92					
781	3	0.00	61677	99.92					
782	2	0.00	61679	99.93					
783	4	0.01	61683	99.93					
784	3	0.00	61686	99.94					

**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	17	0.03	17	0.03	318	3	0.00	92	0.15	367	17	0.03	400	0.65
229	1	0.00	18	0.03	319	2	0.00	94	0.15	368	10	0.02	410	0.66
231	1	0.00	19	0.03	320	4	0.01	98	0.16	369	15	0.02	425	0.69
232	1	0.00	20	0.03	322	2	0.00	100	0.16	370	11	0.02	436	0.71
238	2	0.00	22	0.04	323	6	0.01	106	0.17	371	14	0.02	450	0.73
239	1	0.00	23	0.04	324	2	0.00	108	0.18	372	19	0.03	469	0.76
240	1	0.00	24	0.04	325	3	0.00	111	0.18	373	16	0.03	485	0.79
242	1	0.00	25	0.04	326	2	0.00	113	0.18	374	21	0.03	506	0.82
249	1	0.00	26	0.04	327	1	0.00	114	0.18	375	19	0.03	525	0.85
256	1	0.00	27	0.04	328	3	0.00	117	0.19	376	13	0.02	538	0.87
260	2	0.00	29	0.05	329	4	0.01	121	0.20	377	25	0.04	563	0.91
261	1	0.00	30	0.05	330	3	0.00	124	0.20	378	21	0.03	584	0.95
263	1	0.00	31	0.05	331	5	0.01	129	0.21	379	27	0.04	611	0.99
267	1	0.00	32	0.05	332	3	0.00	132	0.21	380	14	0.02	625	1.01
270	1	0.00	33	0.05	333	6	0.01	138	0.22	381	34	0.06	659	1.07
274	2	0.00	35	0.06	334	7	0.01	145	0.23	382	23	0.04	682	1.11
275	1	0.00	36	0.06	335	5	0.01	150	0.24	383	26	0.04	708	1.15
276	1	0.00	37	0.06	336	2	0.00	152	0.25	384	27	0.04	735	1.19
280	1	0.00	38	0.06	337	5	0.01	157	0.25	385	20	0.03	755	1.22
281	1	0.00	39	0.06	338	3	0.00	160	0.26	386	20	0.03	775	1.26
282	1	0.00	40	0.06	339	11	0.02	171	0.28	387	29	0.05	804	1.30
283	1	0.00	41	0.07	340	8	0.01	179	0.29	388	28	0.05	832	1.35
288	1	0.00	42	0.07	341	4	0.01	183	0.30	389	37	0.06	869	1.41
289	3	0.00	45	0.07	342	2	0.00	185	0.30	390	40	0.06	909	1.47
294	2	0.00	47	0.08	343	5	0.01	190	0.31	391	46	0.07	955	1.55
295	3	0.00	50	0.08	344	9	0.01	199	0.32	392	41	0.07	996	1.61
296	2	0.00	52	0.08	345	7	0.01	206	0.33	393	46	0.07	1042	1.69
297	3	0.00	55	0.09	347	4	0.01	210	0.34	394	48	0.08	1090	1.77
299	2	0.00	57	0.09	348	11	0.02	221	0.36	395	44	0.07	1134	1.84
300	2	0.00	59	0.10	349	4	0.01	225	0.36	396	35	0.06	1169	1.89
301	1	0.00	60	0.10	350	5	0.01	230	0.37	397	44	0.07	1213	1.97
302	1	0.00	61	0.10	351	8	0.01	238	0.39	398	43	0.07	1256	2.04
303	2	0.00	63	0.10	352	6	0.01	244	0.40	399	54	0.09	1310	2.12
304	1	0.00	64	0.10	353	11	0.02	255	0.41	400	50	0.08	1360	2.20
305	2	0.00	66	0.11	354	9	0.01	264	0.43	401	68	0.11	1428	2.31
306	1	0.00	67	0.11	355	12	0.02	276	0.45	402	56	0.09	1484	2.40
307	2	0.00	69	0.11	356	9	0.01	285	0.46	403	57	0.09	1541	2.50
308	3	0.00	72	0.12	357	11	0.02	296	0.48	404	67	0.11	1608	2.61
309	2	0.00	74	0.12	358	5	0.01	301	0.49	405	67	0.11	1675	2.71
310	1	0.00	75	0.12	359	5	0.01	306	0.50	406	66	0.11	1741	2.82
311	1	0.00	76	0.12	360	10	0.02	316	0.51	407	63	0.10	1804	2.92
312	3	0.00	79	0.13	361	11	0.02	327	0.53	408	73	0.12	1877	3.04
313	1	0.00	80	0.13	362	11	0.02	338	0.55	409	57	0.09	1934	3.13
314	2	0.00	82	0.13	363	8	0.01	346	0.56	410	75	0.12	2009	3.26
315	3	0.00	85	0.14	364	12	0.02	358	0.58	411	80	0.13	2089	3.39
316	1	0.00	86	0.14	365	13	0.02	371	0.60	412	82	0.13	2171	3.52
317	3	0.00	89	0.14	366	12	0.02	383	0.62	413	83	0.13	2254	3.65

**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 %
414	97	0.16	2351	3.81	461	279	0.45	10692	17.33	508	464	0.75	29451	47.73
415	67	0.11	2418	3.92	462	298	0.48	10990	17.81	509	521	0.84	29972	48.57
416	72	0.12	2490	4.04	463	282	0.46	11272	18.27	510	482	0.78	30454	49.35
417	99	0.16	2589	4.20	464	312	0.51	11584	18.77	511	503	0.82	30957	50.17
418	88	0.14	2677	4.34	465	316	0.51	11900	19.28	512	511	0.83	31468	51.00
419	105	0.17	2782	4.51	466	273	0.44	12173	19.73	513	518	0.84	31986	51.84
420	97	0.16	2879	4.67	467	299	0.48	12472	20.21	514	462	0.75	32448	52.58
421	100	0.16	2979	4.83	468	327	0.53	12799	20.74	515	487	0.79	32935	53.37
422	104	0.17	3083	5.00	469	311	0.50	13110	21.25	516	539	0.87	33474	54.25
423	104	0.17	3187	5.16	470	352	0.57	13462	21.82	517	536	0.87	34010	55.12
424	94	0.15	3281	5.32	471	337	0.55	13799	22.36	518	487	0.79	34497	55.91
425	122	0.20	3403	5.51	472	338	0.55	14137	22.91	519	483	0.78	34980	56.69
426	120	0.19	3523	5.71	473	360	0.58	14497	23.49	520	492	0.80	35472	57.49
427	131	0.21	3654	5.92	474	348	0.56	14845	24.06	521	488	0.79	35960	58.28
428	143	0.23	3797	6.15	475	340	0.55	15185	24.61	522	536	0.87	36496	59.14
429	147	0.24	3944	6.39	476	334	0.54	15519	25.15	523	492	0.80	36988	59.94
430	142	0.23	4086	6.62	477	370	0.60	15889	25.75	524	473	0.77	37461	60.71
431	181	0.29	4267	6.92	478	407	0.66	16296	26.41	525	478	0.77	37939	61.48
432	156	0.25	4423	7.17	479	358	0.58	16654	26.99	526	438	0.71	38377	62.19
433	157	0.25	4580	7.42	480	354	0.57	17008	27.56	527	458	0.74	38835	62.94
434	165	0.27	4745	7.69	481	418	0.68	17426	28.24	528	479	0.78	39314	63.71
435	181	0.29	4926	7.98	482	458	0.74	17884	28.98	529	451	0.73	39765	64.44
436	161	0.26	5087	8.24	483	396	0.64	18280	29.62	530	452	0.73	40217	65.18
437	184	0.30	5271	8.54	484	423	0.69	18703	30.31	531	441	0.71	40658	65.89
438	181	0.29	5452	8.84	485	385	0.62	19088	30.93	532	427	0.69	41085	66.58
439	181	0.29	5633	9.13	486	391	0.63	19479	31.57	533	456	0.74	41541	67.32
440	186	0.30	5819	9.43	487	452	0.73	19931	32.30	534	444	0.72	41985	68.04
441	168	0.27	5987	9.70	488	420	0.68	20351	32.98	535	444	0.72	42429	68.76
442	187	0.30	6174	10.01	489	407	0.66	20758	33.64	536	440	0.71	42869	69.47
443	184	0.30	6358	10.30	490	461	0.75	21219	34.39	537	424	0.69	43293	70.16
444	188	0.30	6546	10.61	491	412	0.67	21631	35.05	538	447	0.72	43740	70.88
445	202	0.33	6748	10.94	492	462	0.75	22093	35.80	539	442	0.72	44182	71.60
446	221	0.36	6969	11.29	493	422	0.68	22515	36.49	540	403	0.65	44585	72.25
447	215	0.35	7184	11.64	494	432	0.70	22947	37.19	541	413	0.67	44998	72.92
448	201	0.33	7385	11.97	495	435	0.70	23382	37.89	542	394	0.64	45392	73.56
449	234	0.38	7619	12.35	496	459	0.74	23841	38.64	543	400	0.65	45792	74.21
450	215	0.35	7834	12.70	497	500	0.81	24341	39.45	544	380	0.62	46172	74.83
451	274	0.44	8108	13.14	498	486	0.79	24827	40.23	545	429	0.70	46601	75.52
452	238	0.39	8346	13.53	499	420	0.68	25247	40.91	546	342	0.55	46943	76.08
453	257	0.42	8603	13.94	500	484	0.78	25731	41.70	547	396	0.64	47339	76.72
454	230	0.37	8833	14.31	501	436	0.71	26167	42.41	548	343	0.56	47682	77.27
455	255	0.41	9088	14.73	502	433	0.70	26600	43.11	549	365	0.59	48047	77.86
456	259	0.42	9347	15.15	503	502	0.81	27102	43.92	550	362	0.59	48409	78.45
457	247	0.40	9594	15.55	504	484	0.78	27586	44.71	551	337	0.55	48746	79.00
458	279	0.45	9873	16.00	505	442	0.72	28028	45.42	552	313	0.51	49059	79.50
459	273	0.44	10146	16.44	506	488	0.79	28516	46.21	553	346	0.56	49405	80.07
460	267	0.43	10413	16.88	507	471	0.76	28987	46.98	554	324	0.53	49729	80.59



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

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

SS	Freq	%	Cum Freq	Cum %
704	9	0.01	61502	99.67
706	13	0.02	61515	99.69
707	59	0.10	61574	99.79
712	1	0.00	61575	99.79
713	5	0.01	61580	99.80
714	4	0.01	61584	99.80
716	1	0.00	61585	99.80
717	8	0.01	61593	99.82
719	7	0.01	61600	99.83
721	9	0.01	61609	99.84
722	9	0.01	61618	99.86
724	7	0.01	61625	99.87
728	2	0.00	61627	99.87
732	12	0.02	61639	99.89
740	11	0.02	61650	99.91
780	56	0.09	61706	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	244	0.39	244	0.39	272	3	0.00	417	0.67	319	17	0.03	828	1.34
221	3	0.00	247	0.40	273	4	0.01	421	0.68	320	13	0.02	841	1.36
222	4	0.01	251	0.41	274	4	0.01	425	0.69	321	18	0.03	859	1.39
223	5	0.01	256	0.41	275	6	0.01	431	0.70	322	17	0.03	876	1.42
224	2	0.00	258	0.42	276	4	0.01	435	0.70	323	12	0.02	888	1.44
225	2	0.00	260	0.42	277	8	0.01	443	0.72	324	13	0.02	901	1.46
226	4	0.01	264	0.43	278	5	0.01	448	0.72	325	13	0.02	914	1.48
227	1	0.00	265	0.43	279	7	0.01	455	0.74	326	17	0.03	931	1.51
228	2	0.00	267	0.43	280	5	0.01	460	0.74	327	13	0.02	944	1.53
229	3	0.00	270	0.44	281	10	0.02	470	0.76	328	18	0.03	962	1.56
230	1	0.00	271	0.44	282	12	0.02	482	0.78	329	15	0.02	977	1.58
231	4	0.01	275	0.44	283	6	0.01	488	0.79	330	17	0.03	994	1.61
234	2	0.00	277	0.45	284	7	0.01	495	0.80	331	22	0.04	1016	1.64
235	1	0.00	278	0.45	285	3	0.00	498	0.81	332	18	0.03	1034	1.67
238	1	0.00	279	0.45	286	13	0.02	511	0.83	333	25	0.04	1059	1.71
239	2	0.00	281	0.45	287	6	0.01	517	0.84	334	19	0.03	1078	1.74
240	2	0.00	283	0.46	288	9	0.01	526	0.85	335	11	0.02	1089	1.76
242	3	0.00	286	0.46	289	7	0.01	533	0.86	336	19	0.03	1108	1.79
243	5	0.01	291	0.47	290	7	0.01	540	0.87	337	21	0.03	1129	1.83
244	3	0.00	294	0.48	291	11	0.02	551	0.89	338	23	0.04	1152	1.86
245	7	0.01	301	0.49	292	10	0.02	561	0.91	339	29	0.05	1181	1.91
246	4	0.01	305	0.49	293	4	0.01	565	0.91	340	36	0.06	1217	1.97
247	1	0.00	306	0.50	294	12	0.02	577	0.93	341	26	0.04	1243	2.01
248	3	0.00	309	0.50	295	8	0.01	585	0.95	342	24	0.04	1267	2.05
249	2	0.00	311	0.50	296	7	0.01	592	0.96	343	22	0.04	1289	2.09
250	7	0.01	318	0.51	297	8	0.01	600	0.97	344	34	0.06	1323	2.14
251	5	0.01	323	0.52	298	12	0.02	612	0.99	345	25	0.04	1348	2.18
252	4	0.01	327	0.53	299	10	0.02	622	1.01	346	35	0.06	1383	2.24
253	2	0.00	329	0.53	300	6	0.01	628	1.02	347	21	0.03	1404	2.27
254	5	0.01	334	0.54	301	14	0.02	642	1.04	348	37	0.06	1441	2.33
255	2	0.00	336	0.54	302	11	0.02	653	1.06	349	36	0.06	1477	2.39
256	2	0.00	338	0.55	303	12	0.02	665	1.08	350	27	0.04	1504	2.43
257	6	0.01	344	0.56	304	9	0.01	674	1.09	351	23	0.04	1527	2.47
258	7	0.01	351	0.57	305	7	0.01	681	1.10	352	27	0.04	1554	2.51
259	1	0.00	352	0.57	306	10	0.02	691	1.12	353	34	0.06	1588	2.57
260	5	0.01	357	0.58	307	9	0.01	700	1.13	354	26	0.04	1614	2.61
261	5	0.01	362	0.59	308	16	0.03	716	1.16	355	37	0.06	1651	2.67
262	6	0.01	368	0.60	309	12	0.02	728	1.18	356	36	0.06	1687	2.73
263	5	0.01	373	0.60	310	8	0.01	736	1.19	357	32	0.05	1719	2.78
264	4	0.01	377	0.61	311	8	0.01	744	1.20	358	23	0.04	1742	2.82
265	5	0.01	382	0.62	312	8	0.01	752	1.22	359	36	0.06	1778	2.88
266	3	0.00	385	0.62	313	16	0.03	768	1.24	360	40	0.06	1818	2.94
267	7	0.01	392	0.63	314	5	0.01	773	1.25	361	41	0.07	1859	3.01
268	6	0.01	398	0.64	315	8	0.01	781	1.26	362	40	0.06	1899	3.07
269	4	0.01	402	0.65	316	11	0.02	792	1.28	363	31	0.05	1930	3.12
270	7	0.01	409	0.66	317	10	0.02	802	1.30	364	49	0.08	1979	3.20
271	5	0.01	414	0.67	318	9	0.01	811	1.31	365	52	0.08	2031	3.29







**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 %
648	67	0.11	59136	95.68	695	20	0.03	61143	98.93	743	5	0.01	61610	99.69
649	77	0.12	59213	95.81	696	13	0.02	61156	98.95	745	2	0.00	61612	99.69
650	64	0.10	59277	95.91	697	14	0.02	61170	98.98	746	2	0.00	61614	99.69
651	82	0.13	59359	96.05	698	11	0.02	61181	98.99	747	6	0.01	61620	99.70
652	78	0.13	59437	96.17	699	20	0.03	61201	99.03	748	16	0.03	61636	99.73
653	56	0.09	59493	96.26	700	25	0.04	61226	99.07	749	3	0.00	61639	99.73
654	56	0.09	59549	96.35	701	13	0.02	61239	99.09	751	2	0.00	61641	99.74
655	68	0.11	59617	96.46	702	14	0.02	61253	99.11	752	1	0.00	61642	99.74
656	64	0.10	59681	96.57	703	16	0.03	61269	99.14	753	3	0.00	61645	99.74
657	66	0.11	59747	96.67	704	18	0.03	61287	99.17	754	11	0.02	61656	99.76
658	55	0.09	59802	96.76	705	20	0.03	61307	99.20	755	5	0.01	61661	99.77
659	59	0.10	59861	96.86	706	9	0.01	61316	99.21	756	6	0.01	61667	99.78
660	58	0.09	59919	96.95	707	16	0.03	61332	99.24	757	11	0.02	61678	99.80
661	55	0.09	59974	97.04	708	17	0.03	61349	99.27	759	2	0.00	61680	99.80
662	51	0.08	60025	97.12	709	21	0.03	61370	99.30	761	4	0.01	61684	99.81
663	53	0.09	60078	97.21	710	12	0.02	61382	99.32	762	2	0.00	61686	99.81
664	45	0.07	60123	97.28	711	10	0.02	61392	99.33	763	5	0.01	61691	99.82
665	45	0.07	60168	97.35	712	2	0.00	61394	99.34	764	1	0.00	61692	99.82
666	55	0.09	60223	97.44	713	6	0.01	61400	99.35	766	4	0.01	61696	99.83
667	39	0.06	60262	97.51	714	12	0.02	61412	99.37	767	4	0.01	61700	99.83
668	48	0.08	60310	97.58	715	7	0.01	61419	99.38	770	1	0.00	61701	99.83
669	48	0.08	60358	97.66	716	10	0.02	61429	99.39	771	2	0.00	61703	99.84
670	43	0.07	60401	97.73	717	13	0.02	61442	99.42	774	1	0.00	61704	99.84
671	40	0.06	60441	97.80	718	6	0.01	61448	99.43	775	3	0.00	61707	99.84
672	34	0.06	60475	97.85	719	7	0.01	61455	99.44	777	1	0.00	61708	99.85
673	32	0.05	60507	97.90	720	14	0.02	61469	99.46	783	1	0.00	61709	99.85
674	40	0.06	60547	97.97	721	8	0.01	61477	99.47	785	6	0.01	61715	99.86
675	35	0.06	60582	98.02	722	5	0.01	61482	99.48	786	1	0.00	61716	99.86
676	32	0.05	60614	98.08	723	1	0.00	61483	99.48	798	15	0.02	61731	99.88
677	32	0.05	60646	98.13	724	11	0.02	61494	99.50	799	5	0.01	61736	99.89
678	33	0.05	60679	98.18	725	13	0.02	61507	99.52	800	67	0.11	61803	100.00
679	43	0.07	60722	98.25	726	12	0.02	61519	99.54					
680	44	0.07	60766	98.32	727	7	0.01	61526	99.55					
681	39	0.06	60805	98.39	728	6	0.01	61532	99.56					
682	31	0.05	60836	98.44	729	7	0.01	61539	99.57					
683	29	0.05	60865	98.48	730	8	0.01	61547	99.59					
684	25	0.04	60890	98.52	731	7	0.01	61554	99.60					
685	30	0.05	60920	98.57	732	4	0.01	61558	99.60					
686	24	0.04	60944	98.61	733	7	0.01	61565	99.61					
687	24	0.04	60968	98.65	734	4	0.01	61569	99.62					
688	18	0.03	60986	98.68	735	3	0.00	61572	99.63					
689	26	0.04	61012	98.72	736	8	0.01	61580	99.64					
690	17	0.03	61029	98.75	737	5	0.01	61585	99.65					
691	22	0.04	61051	98.78	738	1	0.00	61586	99.65					
692	28	0.05	61079	98.83	740	4	0.01	61590	99.66					
693	21	0.03	61100	98.86	741	14	0.02	61604	99.68					
694	23	0.04	61123	98.90	742	1	0.00	61605	99.68					





**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	206	0.33	56611	91.62	629	24	0.04	61196	99.05	681	1	0.00	61761	99.96
583	198	0.32	56809	91.94	630	38	0.06	61234	99.11	682	2	0.00	61763	99.96
584	166	0.27	56975	92.21	631	37	0.06	61271	99.17	685	1	0.00	61764	99.96
585	181	0.29	57156	92.51	632	35	0.06	61306	99.22	686	4	0.01	61768	99.97
586	156	0.25	57312	92.76	633	22	0.04	61328	99.26	687	3	0.00	61771	99.98
587	195	0.32	57507	93.07	634	27	0.04	61355	99.30	688	1	0.00	61772	99.98
588	156	0.25	57663	93.33	635	21	0.03	61376	99.34	690	2	0.00	61774	99.98
589	164	0.27	57827	93.59	636	28	0.05	61404	99.38	691	1	0.00	61775	99.98
590	165	0.27	57992	93.86	637	21	0.03	61425	99.42	695	1	0.00	61776	99.98
591	135	0.22	58127	94.08	638	17	0.03	61442	99.44	697	2	0.00	61778	99.99
592	142	0.23	58269	94.31	639	21	0.03	61463	99.48	698	1	0.00	61779	99.99
593	133	0.22	58402	94.52	640	13	0.02	61476	99.50	701	1	0.00	61780	99.99
594	127	0.21	58529	94.73	641	14	0.02	61490	99.52	707	1	0.00	61781	99.99
595	141	0.23	58670	94.96	642	13	0.02	61503	99.54	712	1	0.00	61782	99.99
596	137	0.22	58807	95.18	643	13	0.02	61516	99.56	713	1	0.00	61783	100.00
597	127	0.21	58934	95.38	644	13	0.02	61529	99.58	717	1	0.00	61784	100.00
598	112	0.18	59046	95.57	645	15	0.02	61544	99.61	719	1	0.00	61785	100.00
599	105	0.17	59151	95.74	646	20	0.03	61564	99.64	753	1	0.00	61786	100.00
600	133	0.22	59284	95.95	647	11	0.02	61575	99.66					
601	102	0.17	59386	96.12	648	6	0.01	61581	99.67					
602	110	0.18	59496	96.29	649	14	0.02	61595	99.69					
603	94	0.15	59590	96.45	650	14	0.02	61609	99.71					
604	106	0.17	59696	96.62	651	11	0.02	61620	99.73					
605	88	0.14	59784	96.76	652	10	0.02	61630	99.75					
606	117	0.19	59901	96.95	653	7	0.01	61637	99.76					
607	84	0.14	59985	97.09	654	14	0.02	61651	99.78					
608	90	0.15	60075	97.23	655	10	0.02	61661	99.80					
609	88	0.14	60163	97.37	656	8	0.01	61669	99.81					
610	61	0.10	60224	97.47	657	11	0.02	61680	99.83					
611	66	0.11	60290	97.58	658	7	0.01	61687	99.84					
612	82	0.13	60372	97.71	660	6	0.01	61693	99.85					
613	70	0.11	60442	97.82	661	6	0.01	61699	99.86					
614	73	0.12	60515	97.94	662	11	0.02	61710	99.88					
615	64	0.10	60579	98.05	663	5	0.01	61715	99.89					
616	62	0.10	60641	98.15	664	2	0.00	61717	99.89					
617	54	0.09	60695	98.23	665	7	0.01	61724	99.90					
618	61	0.10	60756	98.33	666	8	0.01	61732	99.91					
619	50	0.08	60806	98.41	667	4	0.01	61736	99.92					
620	60	0.10	60866	98.51	668	5	0.01	61741	99.93					
621	50	0.08	60916	98.59	669	1	0.00	61742	99.93					
622	38	0.06	60954	98.65	670	5	0.01	61747	99.94					
623	48	0.08	61002	98.73	671	3	0.00	61750	99.94					
624	29	0.05	61031	98.78	673	2	0.00	61752	99.94					
625	37	0.06	61068	98.84	674	3	0.00	61755	99.95					
626	43	0.07	61111	98.91	675	1	0.00	61756	99.95					
627	42	0.07	61153	98.98	678	1	0.00	61757	99.95					
628	19	0.03	61172	99.01	679	3	0.00	61760	99.96					

**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	240	0.40	240	0.40	377	3	0.00	307	0.51	427	8	0.01	484	0.80
261	1	0.00	241	0.40	378	5	0.01	312	0.52	428	9	0.01	493	0.82
269	1	0.00	242	0.40	379	1	0.00	313	0.52	429	9	0.01	502	0.83
274	1	0.00	243	0.40	380	3	0.00	316	0.52	430	9	0.01	511	0.85
277	1	0.00	244	0.40	381	3	0.00	319	0.53	431	7	0.01	518	0.86
279	1	0.00	245	0.41	382	1	0.00	320	0.53	432	5	0.01	523	0.87
281	1	0.00	246	0.41	384	1	0.00	321	0.53	433	13	0.02	536	0.89
282	1	0.00	247	0.41	385	1	0.00	322	0.53	434	6	0.01	542	0.90
288	1	0.00	248	0.41	386	1	0.00	323	0.54	435	5	0.01	547	0.91
289	1	0.00	249	0.41	387	3	0.00	326	0.54	436	9	0.01	556	0.92
293	1	0.00	250	0.41	388	3	0.00	329	0.55	437	17	0.03	573	0.95
307	1	0.00	251	0.42	389	3	0.00	332	0.55	438	5	0.01	578	0.96
309	1	0.00	252	0.42	390	1	0.00	333	0.55	439	6	0.01	584	0.97
312	1	0.00	253	0.42	391	2	0.00	335	0.56	440	12	0.02	596	0.99
313	1	0.00	254	0.42	392	4	0.01	339	0.56	441	9	0.01	605	1.00
317	1	0.00	255	0.42	393	2	0.00	341	0.56	442	11	0.02	616	1.02
321	1	0.00	256	0.42	394	2	0.00	343	0.57	443	14	0.02	630	1.04
322	1	0.00	257	0.43	396	3	0.00	346	0.57	444	14	0.02	644	1.07
324	1	0.00	258	0.43	397	3	0.00	349	0.58	445	18	0.03	662	1.10
327	1	0.00	259	0.43	398	5	0.01	354	0.59	446	16	0.03	678	1.12
332	1	0.00	260	0.43	399	1	0.00	355	0.59	447	20	0.03	698	1.16
338	1	0.00	261	0.43	400	4	0.01	359	0.59	448	15	0.02	713	1.18
339	2	0.00	263	0.44	401	1	0.00	360	0.60	449	9	0.01	722	1.20
341	2	0.00	265	0.44	402	3	0.00	363	0.60	450	15	0.02	737	1.22
342	2	0.00	267	0.44	403	2	0.00	365	0.60	451	18	0.03	755	1.25
343	2	0.00	269	0.45	404	5	0.01	370	0.61	452	15	0.02	770	1.28
346	1	0.00	270	0.45	405	3	0.00	373	0.62	453	12	0.02	782	1.30
347	1	0.00	271	0.45	407	1	0.00	374	0.62	454	17	0.03	799	1.32
348	1	0.00	272	0.45	408	7	0.01	381	0.63	455	21	0.03	820	1.36
351	1	0.00	273	0.45	409	2	0.00	383	0.63	456	19	0.03	839	1.39
353	1	0.00	274	0.45	410	6	0.01	389	0.64	457	16	0.03	855	1.42
354	1	0.00	275	0.46	411	2	0.00	391	0.65	458	24	0.04	879	1.46
358	2	0.00	277	0.46	412	3	0.00	394	0.65	459	21	0.03	900	1.49
360	2	0.00	279	0.46	413	5	0.01	399	0.66	460	20	0.03	920	1.52
361	2	0.00	281	0.47	414	4	0.01	403	0.67	461	26	0.04	946	1.57
362	1	0.00	282	0.47	415	8	0.01	411	0.68	462	18	0.03	964	1.60
363	2	0.00	284	0.47	416	7	0.01	418	0.69	463	19	0.03	983	1.63
365	1	0.00	285	0.47	417	7	0.01	425	0.70	464	26	0.04	1009	1.67
366	2	0.00	287	0.48	418	4	0.01	429	0.71	465	28	0.05	1037	1.72
367	3	0.00	290	0.48	419	4	0.01	433	0.72	466	24	0.04	1061	1.76
368	1	0.00	291	0.48	420	4	0.01	437	0.72	467	27	0.04	1088	1.80
369	1	0.00	292	0.48	421	5	0.01	442	0.73	468	19	0.03	1107	1.83
370	3	0.00	295	0.49	422	5	0.01	447	0.74	469	18	0.03	1125	1.86
371	2	0.00	297	0.49	423	3	0.00	450	0.75	470	26	0.04	1151	1.91
372	2	0.00	299	0.50	424	7	0.01	457	0.76	471	28	0.05	1179	1.95
374	1	0.00	300	0.50	425	11	0.02	468	0.78	472	20	0.03	1199	1.99
376	4	0.01	304	0.50	426	8	0.01	476	0.79	473	23	0.04	1222	2.02







**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 %
756	27	0.04	59994	99.40	806	1	0.00	60332	99.96
757	19	0.03	60013	99.43	808	2	0.00	60334	99.96
758	23	0.04	60036	99.46	809	2	0.00	60336	99.96
759	12	0.02	60048	99.48	810	2	0.00	60338	99.97
760	20	0.03	60068	99.52	812	2	0.00	60340	99.97
761	11	0.02	60079	99.54	815	1	0.00	60341	99.97
762	13	0.02	60092	99.56	816	1	0.00	60342	99.97
763	23	0.04	60115	99.60	821	1	0.00	60343	99.97
764	14	0.02	60129	99.62	822	1	0.00	60344	99.98
765	6	0.01	60135	99.63	825	1	0.00	60345	99.98
766	12	0.02	60147	99.65	826	1	0.00	60346	99.98
767	3	0.00	60150	99.65	827	3	0.00	60349	99.98
768	4	0.01	60154	99.66	831	3	0.00	60352	99.99
769	9	0.01	60163	99.68	833	1	0.00	60353	99.99
770	14	0.02	60177	99.70	836	2	0.00	60355	99.99
771	8	0.01	60185	99.71	842	1	0.00	60356	100.00
772	8	0.01	60193	99.72	850	1	0.00	60357	100.00
773	5	0.01	60198	99.73	852	1	0.00	60358	100.00
774	4	0.01	60202	99.74	857	1	0.00	60359	100.00
775	10	0.02	60212	99.76					
776	8	0.01	60220	99.77					
777	12	0.02	60232	99.79					
778	6	0.01	60238	99.80					
779	11	0.02	60249	99.82					
780	3	0.00	60252	99.82					
781	2	0.00	60254	99.83					
782	4	0.01	60258	99.83					
783	3	0.00	60261	99.84					
784	3	0.00	60264	99.84					
785	5	0.01	60269	99.85					
786	7	0.01	60276	99.86					
787	2	0.00	60278	99.87					
788	5	0.01	60283	99.87					
789	6	0.01	60289	99.88					
790	6	0.01	60295	99.89					
791	3	0.00	60298	99.90					
792	2	0.00	60300	99.90					
793	6	0.01	60306	99.91					
795	3	0.00	60309	99.92					
796	1	0.00	60310	99.92					
798	4	0.01	60314	99.93					
799	3	0.00	60317	99.93					
800	2	0.00	60319	99.93					
801	4	0.01	60323	99.94					
802	1	0.00	60324	99.94					
803	5	0.01	60329	99.95					
805	2	0.00	60331	99.95					







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

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

SS	Freq	%	Cum Freq	Cum %
693	5	0.01	59933	99.30
694	8	0.01	59941	99.31
695	6	0.01	59947	99.32
696	5	0.01	59952	99.33
697	10	0.02	59962	99.34
698	7	0.01	59969	99.36
699	7	0.01	59976	99.37
700	25	0.04	60001	99.41
701	26	0.04	60027	99.45
702	3	0.00	60030	99.46
703	13	0.02	60043	99.48
704	12	0.02	60055	99.50
705	8	0.01	60063	99.51
706	2	0.00	60065	99.51
707	29	0.05	60094	99.56
708	10	0.02	60104	99.58
709	7	0.01	60111	99.59
710	3	0.00	60114	99.60
711	16	0.03	60130	99.62
712	1	0.00	60131	99.62
713	1	0.00	60132	99.63
714	6	0.01	60138	99.64
715	2	0.00	60140	99.64
716	3	0.00	60143	99.64
717	8	0.01	60151	99.66
718	1	0.00	60152	99.66
719	4	0.01	60156	99.67
720	6	0.01	60162	99.68
721	8	0.01	60170	99.69
722	4	0.01	60174	99.70
724	4	0.01	60178	99.70
725	5	0.01	60183	99.71
727	4	0.01	60187	99.72
731	2	0.00	60189	99.72
737	19	0.03	60208	99.75
738	8	0.01	60216	99.76
740	1	0.00	60217	99.77
741	11	0.02	60228	99.78
746	6	0.01	60234	99.79
747	3	0.00	60237	99.80
749	29	0.05	60266	99.85
750	11	0.02	60277	99.87
751	5	0.01	60282	99.87
755	5	0.01	60287	99.88
758	14	0.02	60301	99.91
782	12	0.02	60313	99.93
840	45	0.07	60358	100.00

**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	270	0.45	270	0.45	289	3	0.00	460	0.76	336	12	0.02	847	1.40
241	4	0.01	274	0.45	290	6	0.01	466	0.77	337	7	0.01	854	1.41
242	4	0.01	278	0.46	291	3	0.00	469	0.78	338	11	0.02	865	1.43
243	4	0.01	282	0.47	292	9	0.01	478	0.79	339	6	0.01	871	1.44
244	4	0.01	286	0.47	293	6	0.01	484	0.80	340	18	0.03	889	1.47
245	2	0.00	288	0.48	294	1	0.00	485	0.80	341	20	0.03	909	1.50
246	5	0.01	293	0.48	295	4	0.01	489	0.81	342	18	0.03	927	1.53
247	5	0.01	298	0.49	296	6	0.01	495	0.82	343	11	0.02	938	1.55
248	5	0.01	303	0.50	297	3	0.00	498	0.82	344	13	0.02	951	1.57
249	1	0.00	304	0.50	298	8	0.01	506	0.84	345	11	0.02	962	1.59
250	3	0.00	307	0.51	299	10	0.02	516	0.85	346	18	0.03	980	1.62
252	1	0.00	308	0.51	300	7	0.01	523	0.87	347	19	0.03	999	1.65
253	4	0.01	312	0.52	301	11	0.02	534	0.88	348	20	0.03	1019	1.69
254	2	0.00	314	0.52	302	7	0.01	541	0.90	349	12	0.02	1031	1.71
255	1	0.00	315	0.52	303	2	0.00	543	0.90	350	10	0.02	1041	1.72
256	1	0.00	316	0.52	304	6	0.01	549	0.91	351	20	0.03	1061	1.76
257	6	0.01	322	0.53	305	7	0.01	556	0.92	352	25	0.04	1086	1.80
258	4	0.01	326	0.54	306	10	0.02	566	0.94	353	22	0.04	1108	1.83
260	3	0.00	329	0.54	307	7	0.01	573	0.95	354	20	0.03	1128	1.87
261	3	0.00	332	0.55	308	5	0.01	578	0.96	355	27	0.04	1155	1.91
262	5	0.01	337	0.56	309	11	0.02	589	0.97	356	19	0.03	1174	1.94
263	3	0.00	340	0.56	310	3	0.00	592	0.98	357	14	0.02	1188	1.97
264	6	0.01	346	0.57	311	11	0.02	603	1.00	358	12	0.02	1200	1.99
265	2	0.00	348	0.58	312	10	0.02	613	1.01	359	15	0.02	1215	2.01
266	6	0.01	354	0.59	313	14	0.02	627	1.04	360	24	0.04	1239	2.05
267	1	0.00	355	0.59	314	13	0.02	640	1.06	361	20	0.03	1259	2.08
268	5	0.01	360	0.60	315	11	0.02	651	1.08	362	26	0.04	1285	2.13
269	2	0.00	362	0.60	316	5	0.01	656	1.09	363	25	0.04	1310	2.17
270	7	0.01	369	0.61	317	12	0.02	668	1.11	364	20	0.03	1330	2.20
271	5	0.01	374	0.62	318	9	0.01	677	1.12	365	21	0.03	1351	2.24
272	5	0.01	379	0.63	319	8	0.01	685	1.13	366	24	0.04	1375	2.28
273	7	0.01	386	0.64	320	6	0.01	691	1.14	367	21	0.03	1396	2.31
274	8	0.01	394	0.65	321	10	0.02	701	1.16	368	30	0.05	1426	2.36
275	4	0.01	398	0.66	322	6	0.01	707	1.17	369	24	0.04	1450	2.40
276	2	0.00	400	0.66	323	5	0.01	712	1.18	370	29	0.05	1479	2.45
277	4	0.01	404	0.67	324	7	0.01	719	1.19	371	32	0.05	1511	2.50
278	4	0.01	408	0.68	325	8	0.01	727	1.20	372	42	0.07	1553	2.57
279	5	0.01	413	0.68	326	9	0.01	736	1.22	373	31	0.05	1584	2.62
280	2	0.00	415	0.69	327	16	0.03	752	1.24	374	31	0.05	1615	2.67
281	4	0.01	419	0.69	328	8	0.01	760	1.26	375	30	0.05	1645	2.72
282	8	0.01	427	0.71	329	14	0.02	774	1.28	376	31	0.05	1676	2.77
283	4	0.01	431	0.71	330	7	0.01	781	1.29	377	30	0.05	1706	2.82
284	6	0.01	437	0.72	331	10	0.02	791	1.31	378	35	0.06	1741	2.88
285	5	0.01	442	0.73	332	8	0.01	799	1.32	379	36	0.06	1777	2.94
286	7	0.01	449	0.74	333	12	0.02	811	1.34	380	34	0.06	1811	3.00
287	4	0.01	453	0.75	334	10	0.02	821	1.36	381	36	0.06	1847	3.06
288	4	0.01	457	0.76	335	14	0.02	835	1.38	382	34	0.06	1881	3.11







**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 %
665	70	0.12	58563	96.93	712	10	0.02	60134	99.53	762	2	0.00	60383	99.95
666	83	0.14	58646	97.07	713	9	0.01	60143	99.55	763	2	0.00	60385	99.95
667	51	0.08	58697	97.16	714	17	0.03	60160	99.58	765	2	0.00	60387	99.95
668	65	0.11	58762	97.26	715	13	0.02	60173	99.60	766	1	0.00	60388	99.96
669	62	0.10	58824	97.37	716	9	0.01	60182	99.61	767	1	0.00	60389	99.96
670	74	0.12	58898	97.49	717	6	0.01	60188	99.62	769	1	0.00	60390	99.96
671	58	0.10	58956	97.59	718	8	0.01	60196	99.64	770	4	0.01	60394	99.97
672	44	0.07	59000	97.66	719	10	0.02	60206	99.65	771	2	0.00	60396	99.97
673	50	0.08	59050	97.74	720	7	0.01	60213	99.67	772	2	0.00	60398	99.97
674	45	0.07	59095	97.82	721	12	0.02	60225	99.69	774	3	0.00	60401	99.98
675	54	0.09	59149	97.90	722	12	0.02	60237	99.71	776	1	0.00	60402	99.98
676	44	0.07	59193	97.98	723	6	0.01	60243	99.72	783	1	0.00	60403	99.98
677	56	0.09	59249	98.07	724	8	0.01	60251	99.73	786	3	0.00	60406	99.99
678	41	0.07	59290	98.14	725	8	0.01	60259	99.74	793	1	0.00	60407	99.99
679	43	0.07	59333	98.21	726	3	0.00	60262	99.75	794	1	0.00	60408	99.99
680	40	0.07	59373	98.28	727	5	0.01	60267	99.76	815	2	0.00	60410	99.99
681	45	0.07	59418	98.35	728	10	0.02	60277	99.77	816	1	0.00	60411	99.99
682	39	0.06	59457	98.41	729	7	0.01	60284	99.78	819	1	0.00	60412	100.00
683	39	0.06	59496	98.48	730	1	0.00	60285	99.78	830	3	0.00	60415	100.00
684	27	0.04	59523	98.52	731	5	0.01	60290	99.79					
685	39	0.06	59562	98.59	732	3	0.00	60293	99.80					
686	30	0.05	59592	98.64	733	10	0.02	60303	99.81					
687	26	0.04	59618	98.68	734	6	0.01	60309	99.82					
688	36	0.06	59654	98.74	735	3	0.00	60312	99.83					
689	28	0.05	59682	98.79	736	2	0.00	60314	99.83					
690	34	0.06	59716	98.84	737	4	0.01	60318	99.84					
691	36	0.06	59752	98.90	738	2	0.00	60320	99.84					
692	22	0.04	59774	98.94	739	1	0.00	60321	99.84					
693	36	0.06	59810	99.00	740	4	0.01	60325	99.85					
694	25	0.04	59835	99.04	741	4	0.01	60329	99.86					
695	22	0.04	59857	99.08	742	3	0.00	60332	99.86					
696	12	0.02	59869	99.10	744	4	0.01	60336	99.87					
697	22	0.04	59891	99.13	745	2	0.00	60338	99.87					
698	18	0.03	59909	99.16	746	5	0.01	60343	99.88					
699	20	0.03	59929	99.20	747	3	0.00	60346	99.89					
700	21	0.03	59950	99.23	748	3	0.00	60349	99.89					
701	12	0.02	59962	99.25	749	2	0.00	60351	99.89					
702	20	0.03	59982	99.28	750	1	0.00	60352	99.90					
703	13	0.02	59995	99.30	751	3	0.00	60355	99.90					
704	18	0.03	60013	99.33	752	3	0.00	60358	99.91					
705	17	0.03	60030	99.36	753	4	0.01	60362	99.91					
706	18	0.03	60048	99.39	754	2	0.00	60364	99.92					
707	18	0.03	60066	99.42	755	1	0.00	60365	99.92					
708	20	0.03	60086	99.46	756	4	0.01	60369	99.92					
709	15	0.02	60101	99.48	757	1	0.00	60370	99.93					
710	12	0.02	60113	99.50	759	8	0.01	60378	99.94					
711	11	0.02	60124	99.52	761	3	0.00	60381	99.94					

**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	181	0.30	181	0.30	374	4	0.01	255	0.43	427	7	0.01	432	0.73
302	1	0.00	182	0.31	379	4	0.01	259	0.44	428	7	0.01	439	0.74
312	1	0.00	183	0.31	380	1	0.00	260	0.44	429	2	0.00	441	0.74
314	1	0.00	184	0.31	381	3	0.01	263	0.44	430	7	0.01	448	0.75
315	1	0.00	185	0.31	382	3	0.01	266	0.45	431	9	0.02	457	0.77
316	1	0.00	186	0.31	383	2	0.00	268	0.45	432	3	0.01	460	0.77
317	1	0.00	187	0.31	384	2	0.00	270	0.45	433	8	0.01	468	0.79
318	1	0.00	188	0.32	385	4	0.01	274	0.46	434	7	0.01	475	0.80
321	1	0.00	189	0.32	386	2	0.00	276	0.46	435	8	0.01	483	0.81
323	1	0.00	190	0.32	387	2	0.00	278	0.47	436	8	0.01	491	0.83
325	4	0.01	194	0.33	388	2	0.00	280	0.47	437	9	0.02	500	0.84
327	1	0.00	195	0.33	389	1	0.00	281	0.47	438	9	0.02	509	0.86
329	1	0.00	196	0.33	390	3	0.01	284	0.48	439	9	0.02	518	0.87
331	2	0.00	198	0.33	391	2	0.00	286	0.48	440	9	0.02	527	0.89
332	1	0.00	199	0.34	392	3	0.01	289	0.49	441	12	0.02	539	0.91
334	2	0.00	201	0.34	393	3	0.01	292	0.49	442	12	0.02	551	0.93
335	2	0.00	203	0.34	395	2	0.00	294	0.49	443	10	0.02	561	0.94
336	1	0.00	204	0.34	396	3	0.01	297	0.50	444	10	0.02	571	0.96
338	3	0.01	207	0.35	397	4	0.01	301	0.51	445	8	0.01	579	0.97
339	1	0.00	208	0.35	398	3	0.01	304	0.51	446	14	0.02	593	1.00
342	1	0.00	209	0.35	399	3	0.01	307	0.52	447	7	0.01	600	1.01
344	1	0.00	210	0.35	400	6	0.01	313	0.53	448	5	0.01	605	1.02
345	3	0.01	213	0.36	401	6	0.01	319	0.54	449	11	0.02	616	1.04
346	1	0.00	214	0.36	402	8	0.01	327	0.55	450	12	0.02	628	1.06
347	1	0.00	215	0.36	403	3	0.01	330	0.56	451	12	0.02	640	1.08
349	1	0.00	216	0.36	404	4	0.01	334	0.56	452	14	0.02	654	1.10
350	1	0.00	217	0.37	405	2	0.00	336	0.57	453	9	0.02	663	1.12
351	2	0.00	219	0.37	406	6	0.01	342	0.58	454	3	0.01	666	1.12
353	1	0.00	220	0.37	407	2	0.00	344	0.58	455	9	0.02	675	1.14
354	1	0.00	221	0.37	409	4	0.01	348	0.59	456	5	0.01	680	1.14
355	1	0.00	222	0.37	410	2	0.00	350	0.59	457	13	0.02	693	1.17
356	1	0.00	223	0.38	411	4	0.01	354	0.60	458	10	0.02	703	1.18
357	1	0.00	224	0.38	412	4	0.01	358	0.60	459	12	0.02	715	1.20
358	1	0.00	225	0.38	413	7	0.01	365	0.61	460	18	0.03	733	1.23
359	2	0.00	227	0.38	414	5	0.01	370	0.62	461	12	0.02	745	1.25
360	1	0.00	228	0.38	415	5	0.01	375	0.63	462	15	0.03	760	1.28
361	2	0.00	230	0.39	416	1	0.00	376	0.63	463	10	0.02	770	1.30
364	1	0.00	231	0.39	417	6	0.01	382	0.64	464	13	0.02	783	1.32
365	1	0.00	232	0.39	418	4	0.01	386	0.65	465	14	0.02	797	1.34
366	2	0.00	234	0.39	419	3	0.01	389	0.65	466	16	0.03	813	1.37
367	3	0.01	237	0.40	420	2	0.00	391	0.66	467	20	0.03	833	1.40
368	2	0.00	239	0.40	421	5	0.01	396	0.67	468	15	0.03	848	1.43
369	1	0.00	240	0.40	422	6	0.01	402	0.68	469	19	0.03	867	1.46
370	4	0.01	244	0.41	423	11	0.02	413	0.70	470	26	0.04	893	1.50
371	1	0.00	245	0.41	424	2	0.00	415	0.70	471	22	0.04	915	1.54
372	2	0.00	247	0.42	425	4	0.01	419	0.71	472	26	0.04	941	1.58
373	4	0.01	251	0.42	426	6	0.01	425	0.72	473	20	0.03	961	1.62

**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 %
474	16	0.03	977	1.64	521	55	0.09	2700	4.55	568	148	0.25	7284	12.26
475	20	0.03	997	1.68	522	59	0.10	2759	4.64	569	152	0.26	7436	12.52
476	16	0.03	1013	1.71	523	54	0.09	2813	4.74	570	141	0.24	7577	12.76
477	30	0.05	1043	1.76	524	56	0.09	2869	4.83	571	175	0.29	7752	13.05
478	24	0.04	1067	1.80	525	65	0.11	2934	4.94	572	167	0.28	7919	13.33
479	24	0.04	1091	1.84	526	69	0.12	3003	5.06	573	177	0.30	8096	13.63
480	25	0.04	1116	1.88	527	70	0.12	3073	5.17	574	142	0.24	8238	13.87
481	22	0.04	1138	1.92	528	71	0.12	3144	5.29	575	167	0.28	8405	14.15
482	31	0.05	1169	1.97	529	69	0.12	3213	5.41	576	138	0.23	8543	14.38
483	23	0.04	1192	2.01	530	64	0.11	3277	5.52	577	147	0.25	8690	14.63
484	22	0.04	1214	2.04	531	67	0.11	3344	5.63	578	158	0.27	8848	14.90
485	31	0.05	1245	2.10	532	67	0.11	3411	5.74	579	196	0.33	9044	15.23
486	19	0.03	1264	2.13	533	63	0.11	3474	5.85	580	190	0.32	9234	15.54
487	32	0.05	1296	2.18	534	75	0.13	3549	5.97	581	166	0.28	9400	15.82
488	27	0.05	1323	2.23	535	77	0.13	3626	6.10	582	206	0.35	9606	16.17
489	30	0.05	1353	2.28	536	72	0.12	3698	6.23	583	189	0.32	9795	16.49
490	28	0.05	1381	2.32	537	63	0.11	3761	6.33	584	193	0.32	9988	16.81
491	34	0.06	1415	2.38	538	91	0.15	3852	6.48	585	192	0.32	10180	17.14
492	27	0.05	1442	2.43	539	87	0.15	3939	6.63	586	187	0.31	10367	17.45
493	38	0.06	1480	2.49	540	84	0.14	4023	6.77	587	199	0.34	10566	17.79
494	32	0.05	1512	2.55	541	87	0.15	4110	6.92	588	220	0.37	10786	18.16
495	36	0.06	1548	2.61	542	74	0.12	4184	7.04	589	202	0.34	10988	18.50
496	38	0.06	1586	2.67	543	111	0.19	4295	7.23	590	228	0.38	11216	18.88
497	31	0.05	1617	2.72	544	96	0.16	4391	7.39	591	248	0.42	11464	19.30
498	35	0.06	1652	2.78	545	99	0.17	4490	7.56	592	207	0.35	11671	19.65
499	37	0.06	1689	2.84	546	80	0.13	4570	7.69	593	220	0.37	11891	20.02
500	36	0.06	1725	2.90	547	96	0.16	4666	7.85	594	228	0.38	12119	20.40
501	37	0.06	1762	2.97	548	102	0.17	4768	8.03	595	223	0.38	12342	20.78
502	49	0.08	1811	3.05	549	105	0.18	4873	8.20	596	241	0.41	12583	21.18
503	36	0.06	1847	3.11	550	107	0.18	4980	8.38	597	251	0.42	12834	21.61
504	29	0.05	1876	3.16	551	110	0.19	5090	8.57	598	252	0.42	13086	22.03
505	41	0.07	1917	3.23	552	104	0.18	5194	8.74	599	298	0.50	13384	22.53
506	46	0.08	1963	3.30	553	97	0.16	5291	8.91	600	241	0.41	13625	22.94
507	51	0.09	2014	3.39	554	117	0.20	5408	9.10	601	272	0.46	13897	23.39
508	39	0.07	2053	3.46	555	120	0.20	5528	9.31	602	260	0.44	14157	23.83
509	45	0.08	2098	3.53	556	119	0.20	5647	9.51	603	297	0.50	14454	24.33
510	46	0.08	2144	3.61	557	118	0.20	5765	9.71	604	269	0.45	14723	24.79
511	44	0.07	2188	3.68	558	129	0.22	5894	9.92	605	288	0.48	15011	25.27
512	48	0.08	2236	3.76	559	111	0.19	6005	10.11	606	247	0.42	15258	25.69
513	46	0.08	2282	3.84	560	122	0.21	6127	10.31	607	292	0.49	15550	26.18
514	44	0.07	2326	3.92	561	139	0.23	6266	10.55	608	276	0.46	15826	26.64
515	50	0.08	2376	4.00	562	134	0.23	6400	10.77	609	271	0.46	16097	27.10
516	47	0.08	2423	4.08	563	146	0.25	6546	11.02	610	311	0.52	16408	27.62
517	60	0.10	2483	4.18	564	128	0.22	6674	11.24	611	312	0.53	16720	28.15
518	61	0.10	2544	4.28	565	154	0.26	6828	11.49	612	314	0.53	17034	28.68
519	50	0.08	2594	4.37	566	164	0.28	6992	11.77	613	329	0.55	17363	29.23
520	51	0.09	2645	4.45	567	144	0.24	7136	12.01	614	278	0.47	17641	29.70



**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 %
756	47	0.08	58425	98.36	803	3	0.01	59301	99.83
757	43	0.07	58468	98.43	804	5	0.01	59306	99.84
758	36	0.06	58504	98.49	805	7	0.01	59313	99.85
759	44	0.07	58548	98.56	806	3	0.01	59316	99.86
760	38	0.06	58586	98.63	807	6	0.01	59322	99.87
761	34	0.06	58620	98.68	808	6	0.01	59328	99.88
762	40	0.07	58660	98.75	809	2	0.00	59330	99.88
763	31	0.05	58691	98.80	810	6	0.01	59336	99.89
764	32	0.05	58723	98.86	811	7	0.01	59343	99.90
765	41	0.07	58764	98.93	812	5	0.01	59348	99.91
766	24	0.04	58788	98.97	813	3	0.01	59351	99.91
767	31	0.05	58819	99.02	814	1	0.00	59352	99.92
768	26	0.04	58845	99.06	815	1	0.00	59353	99.92
769	28	0.05	58873	99.11	816	2	0.00	59355	99.92
770	29	0.05	58902	99.16	817	2	0.00	59357	99.92
771	20	0.03	58922	99.19	818	1	0.00	59358	99.93
772	25	0.04	58947	99.23	819	3	0.01	59361	99.93
773	32	0.05	58979	99.29	820	2	0.00	59363	99.93
774	23	0.04	59002	99.33	821	1	0.00	59364	99.94
775	18	0.03	59020	99.36	823	4	0.01	59368	99.94
776	13	0.02	59033	99.38	825	3	0.01	59371	99.95
777	20	0.03	59053	99.41	826	4	0.01	59375	99.95
778	19	0.03	59072	99.44	827	1	0.00	59376	99.96
779	18	0.03	59090	99.47	828	1	0.00	59377	99.96
780	13	0.02	59103	99.50	829	2	0.00	59379	99.96
781	9	0.02	59112	99.51	830	2	0.00	59381	99.96
782	18	0.03	59130	99.54	832	2	0.00	59383	99.97
783	3	0.01	59133	99.55	834	1	0.00	59384	99.97
784	10	0.02	59143	99.56	835	1	0.00	59385	99.97
785	13	0.02	59156	99.59	838	1	0.00	59386	99.97
786	16	0.03	59172	99.61	839	1	0.00	59387	99.97
787	9	0.02	59181	99.63	842	1	0.00	59388	99.98
788	5	0.01	59186	99.64	844	1	0.00	59389	99.98
789	4	0.01	59190	99.64	846	2	0.00	59391	99.98
790	12	0.02	59202	99.66	850	1	0.00	59392	99.98
791	10	0.02	59212	99.68	851	1	0.00	59393	99.98
792	7	0.01	59219	99.69	860	1	0.00	59394	99.99
793	8	0.01	59227	99.71	862	1	0.00	59395	99.99
794	12	0.02	59239	99.73	875	1	0.00	59396	99.99
795	9	0.02	59248	99.74	882	1	0.00	59397	99.99
796	8	0.01	59256	99.75	887	1	0.00	59398	99.99
797	6	0.01	59262	99.76	890	1	0.00	59399	99.99
798	8	0.01	59270	99.78	893	1	0.00	59400	100.00
799	2	0.00	59272	99.78	907	1	0.00	59401	100.00
800	9	0.02	59281	99.80	938	1	0.00	59402	100.00
801	8	0.01	59289	99.81					
802	9	0.02	59298	99.82					

**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	34	0.06	34	0.06	332	1	0.00	118	0.20	379	18	0.03	442	0.74
242	2	0.00	36	0.06	333	4	0.01	122	0.21	380	18	0.03	460	0.77
247	2	0.00	38	0.06	334	3	0.01	125	0.21	381	12	0.02	472	0.79
249	2	0.00	40	0.07	335	3	0.01	128	0.22	382	20	0.03	492	0.83
256	1	0.00	41	0.07	336	7	0.01	135	0.23	383	18	0.03	510	0.86
259	1	0.00	42	0.07	337	5	0.01	140	0.24	384	19	0.03	529	0.89
264	1	0.00	43	0.07	338	4	0.01	144	0.24	385	17	0.03	546	0.92
265	1	0.00	44	0.07	339	6	0.01	150	0.25	386	24	0.04	570	0.96
267	1	0.00	45	0.08	340	1	0.00	151	0.25	387	19	0.03	589	0.99
269	1	0.00	46	0.08	341	2	0.00	153	0.26	388	16	0.03	605	1.02
273	3	0.01	49	0.08	342	2	0.00	155	0.26	389	15	0.03	620	1.04
279	1	0.00	50	0.08	343	5	0.01	160	0.27	390	28	0.05	648	1.09
280	2	0.00	52	0.09	344	2	0.00	162	0.27	391	22	0.04	670	1.13
282	2	0.00	54	0.09	345	5	0.01	167	0.28	392	24	0.04	694	1.17
283	1	0.00	55	0.09	346	5	0.01	172	0.29	393	13	0.02	707	1.19
285	1	0.00	56	0.09	347	1	0.00	173	0.29	394	16	0.03	723	1.22
286	1	0.00	57	0.10	348	4	0.01	177	0.30	395	32	0.05	755	1.27
289	1	0.00	58	0.10	349	6	0.01	183	0.31	396	24	0.04	779	1.31
291	1	0.00	59	0.10	350	6	0.01	189	0.32	397	18	0.03	797	1.34
293	1	0.00	60	0.10	351	10	0.02	199	0.33	398	22	0.04	819	1.38
294	3	0.01	63	0.11	352	5	0.01	204	0.34	399	14	0.02	833	1.40
295	1	0.00	64	0.11	353	5	0.01	209	0.35	400	28	0.05	861	1.45
297	3	0.01	67	0.11	354	8	0.01	217	0.37	401	20	0.03	881	1.48
298	2	0.00	69	0.12	355	9	0.02	226	0.38	402	35	0.06	916	1.54
299	1	0.00	70	0.12	356	6	0.01	232	0.39	403	27	0.05	943	1.59
301	2	0.00	72	0.12	357	5	0.01	237	0.40	404	27	0.05	970	1.63
302	3	0.01	75	0.13	358	5	0.01	242	0.41	405	27	0.05	997	1.68
304	1	0.00	76	0.13	359	10	0.02	252	0.42	406	16	0.03	1013	1.70
306	2	0.00	78	0.13	360	7	0.01	259	0.44	407	25	0.04	1038	1.75
308	3	0.01	81	0.14	361	6	0.01	265	0.45	408	32	0.05	1070	1.80
310	1	0.00	82	0.14	362	4	0.01	269	0.45	409	40	0.07	1110	1.87
311	3	0.01	85	0.14	363	6	0.01	275	0.46	410	22	0.04	1132	1.91
314	2	0.00	87	0.15	364	11	0.02	286	0.48	411	34	0.06	1166	1.96
315	3	0.01	90	0.15	365	6	0.01	292	0.49	412	29	0.05	1195	2.01
317	3	0.01	93	0.16	366	14	0.02	306	0.52	413	39	0.07	1234	2.08
318	1	0.00	94	0.16	367	8	0.01	314	0.53	414	28	0.05	1262	2.12
319	2	0.00	96	0.16	368	7	0.01	321	0.54	415	48	0.08	1310	2.20
320	2	0.00	98	0.16	369	7	0.01	328	0.55	416	39	0.07	1349	2.27
321	2	0.00	100	0.17	370	13	0.02	341	0.57	417	35	0.06	1384	2.33
322	3	0.01	103	0.17	371	8	0.01	349	0.59	418	36	0.06	1420	2.39
323	1	0.00	104	0.18	372	12	0.02	361	0.61	419	41	0.07	1461	2.46
324	2	0.00	106	0.18	373	10	0.02	371	0.62	420	48	0.08	1509	2.54
325	1	0.00	107	0.18	374	10	0.02	381	0.64	421	39	0.07	1548	2.61
326	2	0.00	109	0.18	375	11	0.02	392	0.66	422	42	0.07	1590	2.68
329	3	0.01	112	0.19	376	9	0.02	401	0.67	423	56	0.09	1646	2.77
330	2	0.00	114	0.19	377	8	0.01	409	0.69	424	52	0.09	1698	2.86
331	3	0.01	117	0.20	378	15	0.03	424	0.71	425	58	0.10	1756	2.96







**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 %
708	21	0.04	58670	98.75	755	8	0.01	59262	99.74	890	13	0.02	59414	100.00
709	19	0.03	58689	98.78	756	9	0.02	59271	99.76					
710	21	0.04	58710	98.82	757	3	0.01	59274	99.76					
711	23	0.04	58733	98.85	758	13	0.02	59287	99.79					
712	19	0.03	58752	98.89	759	3	0.01	59290	99.79					
713	19	0.03	58771	98.92	760	2	0.00	59292	99.79					
714	16	0.03	58787	98.94	761	2	0.00	59294	99.80					
715	19	0.03	58806	98.98	762	1	0.00	59295	99.80					
716	24	0.04	58830	99.02	763	1	0.00	59296	99.80					
717	18	0.03	58848	99.05	764	1	0.00	59297	99.80					
718	24	0.04	58872	99.09	765	7	0.01	59304	99.81					
719	26	0.04	58898	99.13	766	3	0.01	59307	99.82					
720	18	0.03	58916	99.16	769	3	0.01	59310	99.82					
721	15	0.03	58931	99.19	770	4	0.01	59314	99.83					
722	13	0.02	58944	99.21	771	1	0.00	59315	99.83					
723	12	0.02	58956	99.23	773	2	0.00	59317	99.84					
724	17	0.03	58973	99.26	774	1	0.00	59318	99.84					
725	8	0.01	58981	99.27	775	6	0.01	59324	99.85					
726	16	0.03	58997	99.30	776	3	0.01	59327	99.85					
727	13	0.02	59010	99.32	777	1	0.00	59328	99.86					
728	22	0.04	59032	99.36	778	5	0.01	59333	99.86					
729	9	0.02	59041	99.37	780	4	0.01	59337	99.87					
730	9	0.02	59050	99.39	782	1	0.00	59338	99.87					
731	12	0.02	59062	99.41	786	7	0.01	59345	99.88					
732	20	0.03	59082	99.44	787	1	0.00	59346	99.89					
733	12	0.02	59094	99.46	788	1	0.00	59347	99.89					
734	7	0.01	59101	99.47	789	2	0.00	59349	99.89					
735	14	0.02	59115	99.50	791	4	0.01	59353	99.90					
736	12	0.02	59127	99.52	793	1	0.00	59354	99.90					
737	3	0.01	59130	99.52	796	4	0.01	59358	99.91					
738	4	0.01	59134	99.53	797	1	0.00	59359	99.91					
739	3	0.01	59137	99.53	801	1	0.00	59360	99.91					
740	6	0.01	59143	99.54	802	2	0.00	59362	99.91					
741	8	0.01	59151	99.56	803	1	0.00	59363	99.91					
742	7	0.01	59158	99.57	805	3	0.01	59366	99.92					
743	12	0.02	59170	99.59	812	2	0.00	59368	99.92					
744	8	0.01	59178	99.60	818	1	0.00	59369	99.92					
745	6	0.01	59184	99.61	819	2	0.00	59371	99.93					
746	8	0.01	59192	99.63	823	1	0.00	59372	99.93					
747	6	0.01	59198	99.64	826	15	0.03	59387	99.95					
748	13	0.02	59211	99.66	827	3	0.01	59390	99.96					
749	18	0.03	59229	99.69	830	4	0.01	59394	99.97					
750	8	0.01	59237	99.70	835	1	0.00	59395	99.97					
751	4	0.01	59241	99.71	843	2	0.00	59397	99.97					
752	4	0.01	59245	99.72	847	1	0.00	59398	99.97					
753	4	0.01	59249	99.72	849	1	0.00	59399	99.97					
754	5	0.01	59254	99.73	854	2	0.00	59401	99.98					

**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	432	0.73	432	0.73	327	7	0.01	624	1.05	374	7	0.01	1098	1.85
281	1	0.00	433	0.73	328	4	0.01	628	1.06	375	15	0.03	1113	1.87
282	1	0.00	434	0.73	329	8	0.01	636	1.07	376	12	0.02	1125	1.89
283	3	0.01	437	0.73	330	10	0.02	646	1.09	377	12	0.02	1137	1.91
284	1	0.00	438	0.74	331	7	0.01	653	1.10	378	25	0.04	1162	1.95
285	1	0.00	439	0.74	332	10	0.02	663	1.11	379	14	0.02	1176	1.98
286	1	0.00	440	0.74	333	7	0.01	670	1.13	380	20	0.03	1196	2.01
287	4	0.01	444	0.75	334	5	0.01	675	1.13	381	21	0.04	1217	2.05
288	2	0.00	446	0.75	335	8	0.01	683	1.15	382	30	0.05	1247	2.10
289	2	0.00	448	0.75	336	8	0.01	691	1.16	383	24	0.04	1271	2.14
290	3	0.01	451	0.76	337	10	0.02	701	1.18	384	27	0.05	1298	2.18
291	3	0.01	454	0.76	338	5	0.01	706	1.19	385	24	0.04	1322	2.22
292	3	0.01	457	0.77	339	8	0.01	714	1.20	386	19	0.03	1341	2.25
293	1	0.00	458	0.77	340	3	0.01	717	1.21	387	12	0.02	1353	2.27
294	3	0.01	461	0.78	341	6	0.01	723	1.22	388	23	0.04	1376	2.31
295	5	0.01	466	0.78	342	3	0.01	726	1.22	389	15	0.03	1391	2.34
296	4	0.01	470	0.79	343	6	0.01	732	1.23	390	35	0.06	1426	2.40
297	5	0.01	475	0.80	344	10	0.02	742	1.25	391	13	0.02	1439	2.42
298	1	0.00	476	0.80	345	13	0.02	755	1.27	392	26	0.04	1465	2.46
299	3	0.01	479	0.81	346	12	0.02	767	1.29	393	14	0.02	1479	2.49
300	4	0.01	483	0.81	347	9	0.02	776	1.30	394	28	0.05	1507	2.53
301	4	0.01	487	0.82	348	12	0.02	788	1.32	395	25	0.04	1532	2.58
302	4	0.01	491	0.83	349	12	0.02	800	1.35	396	32	0.05	1564	2.63
303	5	0.01	496	0.83	350	10	0.02	810	1.36	397	20	0.03	1584	2.66
304	5	0.01	501	0.84	351	8	0.01	818	1.38	398	21	0.04	1605	2.70
305	2	0.00	503	0.85	352	9	0.02	827	1.39	399	31	0.05	1636	2.75
306	3	0.01	506	0.85	353	7	0.01	834	1.40	400	34	0.06	1670	2.81
307	4	0.01	510	0.86	354	11	0.02	845	1.42	401	37	0.06	1707	2.87
308	2	0.00	512	0.86	355	17	0.03	862	1.45	402	30	0.05	1737	2.92
309	7	0.01	519	0.87	356	10	0.02	872	1.47	403	37	0.06	1774	2.98
310	6	0.01	525	0.88	357	9	0.02	881	1.48	404	28	0.05	1802	3.03
311	2	0.00	527	0.89	358	11	0.02	892	1.50	405	22	0.04	1824	3.07
312	3	0.01	530	0.89	359	8	0.01	900	1.51	406	38	0.06	1862	3.13
313	6	0.01	536	0.90	360	12	0.02	912	1.53	407	25	0.04	1887	3.17
314	7	0.01	543	0.91	361	7	0.01	919	1.55	408	32	0.05	1919	3.23
315	6	0.01	549	0.92	362	8	0.01	927	1.56	409	28	0.05	1947	3.27
316	4	0.01	553	0.93	363	14	0.02	941	1.58	410	37	0.06	1984	3.34
317	4	0.01	557	0.94	364	9	0.02	950	1.60	411	37	0.06	2021	3.40
318	6	0.01	563	0.95	365	11	0.02	961	1.62	412	32	0.05	2053	3.45
319	6	0.01	569	0.96	366	8	0.01	969	1.63	413	39	0.07	2092	3.52
320	5	0.01	574	0.97	367	13	0.02	982	1.65	414	51	0.09	2143	3.60
321	9	0.02	583	0.98	368	15	0.03	997	1.68	415	53	0.09	2196	3.69
322	11	0.02	594	1.00	369	20	0.03	1017	1.71	416	49	0.08	2245	3.77
323	2	0.00	596	1.00	370	18	0.03	1035	1.74	417	38	0.06	2283	3.84
324	7	0.01	603	1.01	371	18	0.03	1053	1.77	418	38	0.06	2321	3.90
325	7	0.01	610	1.03	372	19	0.03	1072	1.80	419	54	0.09	2375	3.99
326	7	0.01	617	1.04	373	19	0.03	1091	1.83	420	54	0.09	2429	4.08





**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 %
703	37	0.06	58547	98.44	750	5	0.01	59307	99.71	804	1	0.00	59445	99.95
704	48	0.08	58595	98.52	751	6	0.01	59313	99.72	806	1	0.00	59446	99.95
705	23	0.04	58618	98.56	752	8	0.01	59321	99.74	809	1	0.00	59447	99.95
706	39	0.07	58657	98.62	753	7	0.01	59328	99.75	811	1	0.00	59448	99.95
707	35	0.06	58692	98.68	754	7	0.01	59335	99.76	814	2	0.00	59450	99.95
708	22	0.04	58714	98.72	755	6	0.01	59341	99.77	817	1	0.00	59451	99.96
709	33	0.06	58747	98.77	756	4	0.01	59345	99.78	819	5	0.01	59456	99.96
710	28	0.05	58775	98.82	757	3	0.01	59348	99.78	820	1	0.00	59457	99.97
711	20	0.03	58795	98.85	758	4	0.01	59352	99.79	821	4	0.01	59461	99.97
712	18	0.03	58813	98.88	759	8	0.01	59360	99.80	823	3	0.01	59464	99.98
713	17	0.03	58830	98.91	760	2	0.00	59362	99.81	825	1	0.00	59465	99.98
714	23	0.04	58853	98.95	761	7	0.01	59369	99.82	826	1	0.00	59466	99.98
715	27	0.05	58880	99.00	762	3	0.01	59372	99.82	833	1	0.00	59467	99.98
716	29	0.05	58909	99.05	763	4	0.01	59376	99.83	835	1	0.00	59468	99.98
717	20	0.03	58929	99.08	764	5	0.01	59381	99.84	847	1	0.00	59469	99.99
718	20	0.03	58949	99.11	765	3	0.01	59384	99.84	851	1	0.00	59470	99.99
719	24	0.04	58973	99.15	766	1	0.00	59385	99.85	860	7	0.01	59477	100.00
720	18	0.03	58991	99.18	767	1	0.00	59386	99.85					
721	23	0.04	59014	99.22	768	1	0.00	59387	99.85					
722	20	0.03	59034	99.26	769	2	0.00	59389	99.85					
723	13	0.02	59047	99.28	770	1	0.00	59390	99.85					
724	17	0.03	59064	99.31	771	2	0.00	59392	99.86					
725	18	0.03	59082	99.34	772	2	0.00	59394	99.86					
726	13	0.02	59095	99.36	773	4	0.01	59398	99.87					
727	12	0.02	59107	99.38	774	3	0.01	59401	99.87					
728	13	0.02	59120	99.40	775	4	0.01	59405	99.88					
729	12	0.02	59132	99.42	776	1	0.00	59406	99.88					
730	16	0.03	59148	99.45	777	2	0.00	59408	99.88					
731	9	0.02	59157	99.46	778	6	0.01	59414	99.89					
732	13	0.02	59170	99.48	779	2	0.00	59416	99.90					
733	7	0.01	59177	99.50	780	5	0.01	59421	99.91					
734	11	0.02	59188	99.51	781	2	0.00	59423	99.91					
735	6	0.01	59194	99.52	783	1	0.00	59424	99.91					
736	4	0.01	59198	99.53	785	1	0.00	59425	99.91					
737	8	0.01	59206	99.54	786	2	0.00	59427	99.92					
738	10	0.02	59216	99.56	787	1	0.00	59428	99.92					
739	2	0.00	59218	99.56	789	3	0.01	59431	99.92					
740	13	0.02	59231	99.59	790	1	0.00	59432	99.92					
741	11	0.02	59242	99.60	791	1	0.00	59433	99.93					
742	4	0.01	59246	99.61	792	1	0.00	59434	99.93					
743	6	0.01	59252	99.62	793	1	0.00	59435	99.93					
744	9	0.02	59261	99.64	794	1	0.00	59436	99.93					
745	12	0.02	59273	99.66	795	2	0.00	59438	99.93					
746	6	0.01	59279	99.67	797	2	0.00	59440	99.94					
747	9	0.02	59288	99.68	798	2	0.00	59442	99.94					
748	7	0.01	59295	99.69	801	1	0.00	59443	99.94					
749	7	0.01	59302	99.71	803	1	0.00	59444	99.94					









**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 %
800	7	0.01	57872	99.73	878	2	0.00	58021	99.99
801	7	0.01	57879	99.75	881	1	0.00	58022	99.99
802	7	0.01	57886	99.76	893	1	0.00	58023	99.99
803	6	0.01	57892	99.77	898	2	0.00	58025	100.00
804	8	0.01	57900	99.78	976	1	0.00	58026	100.00
805	8	0.01	57908	99.80					
806	5	0.01	57913	99.81					
807	7	0.01	57920	99.82					
808	6	0.01	57926	99.83					
809	8	0.01	57934	99.84					
810	5	0.01	57939	99.85					
811	5	0.01	57944	99.86					
812	4	0.01	57948	99.87					
813	2	0.00	57950	99.87					
814	4	0.01	57954	99.88					
815	2	0.00	57956	99.88					
816	1	0.00	57957	99.88					
817	1	0.00	57958	99.88					
818	4	0.01	57962	99.89					
819	1	0.00	57963	99.89					
820	7	0.01	57970	99.90					
822	4	0.01	57974	99.91					
824	2	0.00	57976	99.91					
825	5	0.01	57981	99.92					
826	2	0.00	57983	99.93					
827	4	0.01	57987	99.93					
829	1	0.00	57988	99.93					
830	1	0.00	57989	99.94					
831	2	0.00	57991	99.94					
832	3	0.01	57994	99.94					
833	1	0.00	57995	99.95					
835	3	0.01	57998	99.95					
836	1	0.00	57999	99.95					
838	2	0.00	58001	99.96					
840	1	0.00	58002	99.96					
843	1	0.00	58003	99.96					
844	1	0.00	58004	99.96					
845	3	0.01	58007	99.97					
846	1	0.00	58008	99.97					
847	2	0.00	58010	99.97					
848	1	0.00	58011	99.97					
850	1	0.00	58012	99.98					
851	1	0.00	58013	99.98					
853	3	0.01	58016	99.98					
854	1	0.00	58017	99.98					
860	1	0.00	58018	99.99					
862	1	0.00	58019	99.99					

**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	28	0.05	28	0.05	335	2	0.00	113	0.19	382	14	0.02	457	0.79
254	1	0.00	29	0.05	336	3	0.01	116	0.20	383	13	0.02	470	0.81
255	2	0.00	31	0.05	337	3	0.01	119	0.21	384	9	0.02	479	0.83
262	1	0.00	32	0.06	338	2	0.00	121	0.21	385	11	0.02	490	0.84
263	1	0.00	33	0.06	339	5	0.01	126	0.22	386	20	0.03	510	0.88
264	1	0.00	34	0.06	340	4	0.01	130	0.22	387	19	0.03	529	0.91
268	1	0.00	35	0.06	341	4	0.01	134	0.23	388	14	0.02	543	0.94
270	1	0.00	36	0.06	342	4	0.01	138	0.24	389	20	0.03	563	0.97
276	1	0.00	37	0.06	343	5	0.01	143	0.25	390	6	0.01	569	0.98
279	3	0.01	40	0.07	344	3	0.01	146	0.25	391	15	0.03	584	1.01
281	1	0.00	41	0.07	345	3	0.01	149	0.26	392	14	0.02	598	1.03
285	1	0.00	42	0.07	346	4	0.01	153	0.26	393	26	0.04	624	1.08
287	1	0.00	43	0.07	347	2	0.00	155	0.27	394	16	0.03	640	1.10
288	2	0.00	45	0.08	348	2	0.00	157	0.27	395	21	0.04	661	1.14
289	1	0.00	46	0.08	349	10	0.02	167	0.29	396	8	0.01	669	1.15
291	2	0.00	48	0.08	350	4	0.01	171	0.29	397	17	0.03	686	1.18
293	1	0.00	49	0.08	351	4	0.01	175	0.30	398	22	0.04	708	1.22
295	1	0.00	50	0.09	352	8	0.01	183	0.32	399	23	0.04	731	1.26
296	1	0.00	51	0.09	353	5	0.01	188	0.32	400	24	0.04	755	1.30
297	1	0.00	52	0.09	354	5	0.01	193	0.33	401	20	0.03	775	1.34
299	1	0.00	53	0.09	355	9	0.02	202	0.35	402	12	0.02	787	1.36
301	3	0.01	56	0.10	356	11	0.02	213	0.37	403	23	0.04	810	1.40
302	1	0.00	57	0.10	357	6	0.01	219	0.38	404	28	0.05	838	1.44
303	1	0.00	58	0.10	358	9	0.02	228	0.39	405	21	0.04	859	1.48
304	2	0.00	60	0.10	359	7	0.01	235	0.41	406	21	0.04	880	1.52
305	1	0.00	61	0.11	360	8	0.01	243	0.42	407	23	0.04	903	1.56
307	2	0.00	63	0.11	361	5	0.01	248	0.43	408	25	0.04	928	1.60
308	1	0.00	64	0.11	362	2	0.00	250	0.43	409	22	0.04	950	1.64
309	1	0.00	65	0.11	363	6	0.01	256	0.44	410	36	0.06	986	1.70
310	2	0.00	67	0.12	364	9	0.02	265	0.46	411	37	0.06	1023	1.76
312	2	0.00	69	0.12	365	13	0.02	278	0.48	412	19	0.03	1042	1.80
313	2	0.00	71	0.12	366	4	0.01	282	0.49	413	21	0.04	1063	1.83
314	2	0.00	73	0.13	367	10	0.02	292	0.50	414	27	0.05	1090	1.88
315	2	0.00	75	0.13	368	13	0.02	305	0.53	415	28	0.05	1118	1.93
316	4	0.01	79	0.14	369	11	0.02	316	0.54	416	32	0.06	1150	1.98
317	1	0.00	80	0.14	370	13	0.02	329	0.57	417	25	0.04	1175	2.03
319	3	0.01	83	0.14	371	8	0.01	337	0.58	418	31	0.05	1206	2.08
321	1	0.00	84	0.14	372	14	0.02	351	0.61	419	33	0.06	1239	2.14
325	2	0.00	86	0.15	373	7	0.01	358	0.62	420	31	0.05	1270	2.19
326	3	0.01	89	0.15	374	10	0.02	368	0.63	421	35	0.06	1305	2.25
328	5	0.01	94	0.16	375	4	0.01	372	0.64	422	34	0.06	1339	2.31
329	1	0.00	95	0.16	376	15	0.03	387	0.67	423	46	0.08	1385	2.39
330	3	0.01	98	0.17	377	8	0.01	395	0.68	424	43	0.07	1428	2.46
331	3	0.01	101	0.17	378	13	0.02	408	0.70	425	38	0.07	1466	2.53
332	4	0.01	105	0.18	379	9	0.02	417	0.72	426	35	0.06	1501	2.59
333	4	0.01	109	0.19	380	10	0.02	427	0.74	427	52	0.09	1553	2.68
334	2	0.00	111	0.19	381	16	0.03	443	0.76	428	47	0.08	1600	2.76

**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 %
429	45	0.08	1645	2.84	476	134	0.23	6193	10.67	523	285	0.49	16050	27.66
430	64	0.11	1709	2.95	477	141	0.24	6334	10.92	524	297	0.51	16347	28.18
431	52	0.09	1761	3.04	478	144	0.25	6478	11.17	525	299	0.52	16646	28.69
432	58	0.10	1819	3.14	479	145	0.25	6623	11.42	526	293	0.51	16939	29.20
433	64	0.11	1883	3.25	480	142	0.24	6765	11.66	527	284	0.49	17223	29.69
434	57	0.10	1940	3.34	481	149	0.26	6914	11.92	528	268	0.46	17491	30.15
435	53	0.09	1993	3.44	482	141	0.24	7055	12.16	529	309	0.53	17800	30.68
436	66	0.11	2059	3.55	483	171	0.29	7226	12.46	530	288	0.50	18088	31.18
437	64	0.11	2123	3.66	484	160	0.28	7386	12.73	531	304	0.52	18392	31.70
438	65	0.11	2188	3.77	485	137	0.24	7523	12.97	532	319	0.55	18711	32.25
439	62	0.11	2250	3.88	486	171	0.29	7694	13.26	533	306	0.53	19017	32.78
440	70	0.12	2320	4.00	487	192	0.33	7886	13.59	534	285	0.49	19302	33.27
441	68	0.12	2388	4.12	488	176	0.30	8062	13.90	535	306	0.53	19608	33.80
442	76	0.13	2464	4.25	489	158	0.27	8220	14.17	536	318	0.55	19926	34.35
443	71	0.12	2535	4.37	490	198	0.34	8418	14.51	537	332	0.57	20258	34.92
444	76	0.13	2611	4.50	491	191	0.33	8609	14.84	538	300	0.52	20558	35.44
445	79	0.14	2690	4.64	492	177	0.31	8786	15.14	539	334	0.58	20892	36.01
446	68	0.12	2758	4.75	493	179	0.31	8965	15.45	540	327	0.56	21219	36.57
447	70	0.12	2828	4.87	494	191	0.33	9156	15.78	541	323	0.56	21542	37.13
448	93	0.16	2921	5.03	495	210	0.36	9366	16.14	542	332	0.57	21874	37.70
449	87	0.15	3008	5.18	496	211	0.36	9577	16.51	543	343	0.59	22217	38.29
450	99	0.17	3107	5.36	497	193	0.33	9770	16.84	544	327	0.56	22544	38.86
451	93	0.16	3200	5.52	498	226	0.39	9996	17.23	545	363	0.63	22907	39.48
452	98	0.17	3298	5.68	499	186	0.32	10182	17.55	546	362	0.62	23269	40.11
453	100	0.17	3398	5.86	500	215	0.37	10397	17.92	547	329	0.57	23598	40.67
454	96	0.17	3494	6.02	501	213	0.37	10610	18.29	548	357	0.62	23955	41.29
455	100	0.17	3594	6.19	502	209	0.36	10819	18.65	549	343	0.59	24298	41.88
456	93	0.16	3687	6.36	503	221	0.38	11040	19.03	550	333	0.57	24631	42.46
457	112	0.19	3799	6.55	504	217	0.37	11257	19.40	551	295	0.51	24926	42.96
458	98	0.17	3897	6.72	505	231	0.40	11488	19.80	552	351	0.61	25277	43.57
459	93	0.16	3990	6.88	506	229	0.39	11717	20.20	553	331	0.57	25608	44.14
460	106	0.18	4096	7.06	507	228	0.39	11945	20.59	554	332	0.57	25940	44.71
461	103	0.18	4199	7.24	508	224	0.39	12169	20.98	555	343	0.59	26283	45.30
462	118	0.20	4317	7.44	509	236	0.41	12405	21.38	556	347	0.60	26630	45.90
463	110	0.19	4427	7.63	510	230	0.40	12635	21.78	557	332	0.57	26962	46.47
464	114	0.20	4541	7.83	511	249	0.43	12884	22.21	558	340	0.59	27302	47.06
465	141	0.24	4682	8.07	512	259	0.45	13143	22.65	559	371	0.64	27673	47.70
466	127	0.22	4809	8.29	513	237	0.41	13380	23.06	560	333	0.57	28006	48.27
467	133	0.23	4942	8.52	514	268	0.46	13648	23.52	561	348	0.60	28354	48.87
468	136	0.23	5078	8.75	515	225	0.39	13873	23.91	562	347	0.60	28701	49.47
469	140	0.24	5218	8.99	516	246	0.42	14119	24.34	563	341	0.59	29042	50.06
470	147	0.25	5365	9.25	517	269	0.46	14388	24.80	564	324	0.56	29366	50.62
471	147	0.25	5512	9.50	518	263	0.45	14651	25.25	565	336	0.58	29702	51.20
472	156	0.27	5668	9.77	519	303	0.52	14954	25.78	566	345	0.59	30047	51.79
473	129	0.22	5797	9.99	520	247	0.43	15201	26.20	567	345	0.59	30392	52.39
474	142	0.24	5939	10.24	521	278	0.48	15479	26.68	568	332	0.57	30724	52.96
475	120	0.21	6059	10.44	522	286	0.49	15765	27.17	569	349	0.60	31073	53.56

**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 %
570	328	0.57	31401	54.12	617	253	0.44	45390	78.24	664	137	0.24	53573	92.34
571	331	0.57	31732	54.70	618	207	0.36	45597	78.59	665	106	0.18	53679	92.52
572	360	0.62	32092	55.32	619	216	0.37	45813	78.97	666	115	0.20	53794	92.72
573	327	0.56	32419	55.88	620	234	0.40	46047	79.37	667	113	0.19	53907	92.92
574	329	0.57	32748	56.45	621	219	0.38	46266	79.75	668	111	0.19	54018	93.11
575	335	0.58	33083	57.02	622	230	0.40	46496	80.14	669	116	0.20	54134	93.31
576	331	0.57	33414	57.59	623	234	0.40	46730	80.55	670	88	0.15	54222	93.46
577	348	0.60	33762	58.19	624	247	0.43	46977	80.97	671	107	0.18	54329	93.64
578	341	0.59	34103	58.78	625	217	0.37	47194	81.35	672	71	0.12	54400	93.77
579	307	0.53	34410	59.31	626	232	0.40	47426	81.75	673	96	0.17	54496	93.93
580	323	0.56	34733	59.87	627	203	0.35	47629	82.10	674	77	0.13	54573	94.07
581	319	0.55	35052	60.42	628	204	0.35	47833	82.45	675	77	0.13	54650	94.20
582	312	0.54	35364	60.96	629	217	0.37	48050	82.82	676	77	0.13	54727	94.33
583	331	0.57	35695	61.53	630	223	0.38	48273	83.21	677	68	0.12	54795	94.45
584	316	0.54	36011	62.07	631	213	0.37	48486	83.57	678	77	0.13	54872	94.58
585	314	0.54	36325	62.61	632	206	0.36	48692	83.93	679	85	0.15	54957	94.73
586	309	0.53	36634	63.14	633	199	0.34	48891	84.27	680	83	0.14	55040	94.87
587	334	0.58	36968	63.72	634	174	0.30	49065	84.57	681	65	0.11	55105	94.98
588	308	0.53	37276	64.25	635	174	0.30	49239	84.87	682	88	0.15	55193	95.13
589	306	0.53	37582	64.78	636	160	0.28	49399	85.15	683	96	0.17	55289	95.30
590	320	0.55	37902	65.33	637	176	0.30	49575	85.45	684	61	0.11	55350	95.40
591	336	0.58	38238	65.91	638	202	0.35	49777	85.80	685	63	0.11	55413	95.51
592	282	0.49	38520	66.40	639	198	0.34	49975	86.14	686	87	0.15	55500	95.66
593	311	0.54	38831	66.93	640	174	0.30	50149	86.44	687	60	0.10	55560	95.77
594	313	0.54	39144	67.47	641	155	0.27	50304	86.71	688	58	0.10	55618	95.87
595	306	0.53	39450	68.00	642	180	0.31	50484	87.02	689	52	0.09	55670	95.96
596	322	0.56	39772	68.55	643	174	0.30	50658	87.32	690	54	0.09	55724	96.05
597	283	0.49	40055	69.04	644	164	0.28	50822	87.60	691	82	0.14	55806	96.19
598	288	0.50	40343	69.54	645	154	0.27	50976	87.87	692	62	0.11	55868	96.30
599	277	0.48	40620	70.02	646	180	0.31	51156	88.18	693	46	0.08	55914	96.38
600	286	0.49	40906	70.51	647	159	0.27	51315	88.45	694	55	0.09	55969	96.47
601	267	0.46	41173	70.97	648	152	0.26	51467	88.71	695	48	0.08	56017	96.55
602	274	0.47	41447	71.44	649	162	0.28	51629	88.99	696	74	0.13	56091	96.68
603	280	0.48	41727	71.92	650	149	0.26	51778	89.25	697	48	0.08	56139	96.76
604	246	0.42	41973	72.35	651	160	0.28	51938	89.52	698	59	0.10	56198	96.87
605	311	0.54	42284	72.88	652	112	0.19	52050	89.72	699	42	0.07	56240	96.94
606	282	0.49	42566	73.37	653	150	0.26	52200	89.98	700	48	0.08	56288	97.02
607	249	0.43	42815	73.80	654	139	0.24	52339	90.21	701	69	0.12	56357	97.14
608	258	0.44	43073	74.24	655	142	0.24	52481	90.46	702	30	0.05	56387	97.19
609	303	0.52	43376	74.77	656	135	0.23	52616	90.69	703	51	0.09	56438	97.28
610	253	0.44	43629	75.20	657	137	0.24	52753	90.93	704	50	0.09	56488	97.37
611	242	0.42	43871	75.62	658	122	0.21	52875	91.14	705	43	0.07	56531	97.44
612	242	0.42	44113	76.04	659	126	0.22	53001	91.36	706	28	0.05	56559	97.49
613	282	0.49	44395	76.52	660	103	0.18	53104	91.53	707	45	0.08	56604	97.57
614	258	0.44	44653	76.97	661	111	0.19	53215	91.72	708	33	0.06	56637	97.62
615	253	0.44	44906	77.40	662	102	0.18	53317	91.90	709	34	0.06	56671	97.68
616	231	0.40	45137	77.80	663	119	0.21	53436	92.11	710	26	0.04	56697	97.73

**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 %
711	28	0.05	56725	97.77	758	9	0.02	57605	99.29	812	1	0.00	57896	99.79
712	26	0.04	56751	97.82	759	6	0.01	57611	99.30	813	2	0.00	57898	99.80
713	46	0.08	56797	97.90	760	6	0.01	57617	99.31	814	2	0.00	57900	99.80
714	37	0.06	56834	97.96	761	32	0.06	57649	99.37	816	1	0.00	57901	99.80
715	18	0.03	56852	97.99	762	6	0.01	57655	99.38	818	6	0.01	57907	99.81
716	28	0.05	56880	98.04	763	10	0.02	57665	99.39	820	9	0.02	57916	99.83
717	42	0.07	56922	98.11	764	9	0.02	57674	99.41	823	2	0.00	57918	99.83
718	24	0.04	56946	98.16	765	5	0.01	57679	99.42	824	5	0.01	57923	99.84
719	34	0.06	56980	98.21	766	4	0.01	57683	99.43	825	4	0.01	57927	99.85
720	33	0.06	57013	98.27	767	8	0.01	57691	99.44	828	8	0.01	57935	99.86
721	23	0.04	57036	98.31	768	12	0.02	57703	99.46	829	2	0.00	57937	99.86
722	23	0.04	57059	98.35	769	10	0.02	57713	99.48	830	3	0.01	57940	99.87
723	21	0.04	57080	98.39	770	2	0.00	57715	99.48	835	3	0.01	57943	99.87
724	34	0.06	57114	98.45	771	4	0.01	57719	99.49	839	2	0.00	57945	99.88
725	13	0.02	57127	98.47	772	8	0.01	57727	99.50	844	2	0.00	57947	99.88
726	15	0.03	57142	98.49	773	7	0.01	57734	99.51	847	6	0.01	57953	99.89
727	22	0.04	57164	98.53	774	6	0.01	57740	99.52	848	1	0.00	57954	99.89
728	20	0.03	57184	98.57	775	4	0.01	57744	99.53	851	2	0.00	57956	99.90
729	12	0.02	57196	98.59	776	8	0.01	57752	99.54	855	6	0.01	57962	99.91
730	23	0.04	57219	98.63	777	7	0.01	57759	99.56	861	6	0.01	57968	99.92
731	10	0.02	57229	98.64	778	9	0.02	57768	99.57	867	1	0.00	57969	99.92
732	19	0.03	57248	98.68	779	7	0.01	57775	99.58	875	3	0.01	57972	99.92
733	16	0.03	57264	98.70	780	8	0.01	57783	99.60	884	7	0.01	57979	99.94
734	21	0.04	57285	98.74	781	4	0.01	57787	99.61	891	2	0.00	57981	99.94
735	14	0.02	57299	98.76	782	4	0.01	57791	99.61	910	35	0.06	58016	100.00
736	10	0.02	57309	98.78	783	7	0.01	57798	99.62					
737	21	0.04	57330	98.82	784	2	0.00	57800	99.63					
738	22	0.04	57352	98.86	785	5	0.01	57805	99.64					
739	11	0.02	57363	98.87	786	6	0.01	57811	99.65					
740	11	0.02	57374	98.89	787	2	0.00	57813	99.65					
741	9	0.02	57383	98.91	788	2	0.00	57815	99.65					
742	15	0.03	57398	98.93	789	3	0.01	57818	99.66					
743	12	0.02	57410	98.96	790	1	0.00	57819	99.66					
744	26	0.04	57436	99.00	791	3	0.01	57822	99.67					
745	11	0.02	57447	99.02	792	11	0.02	57833	99.68					
746	13	0.02	57460	99.04	793	5	0.01	57838	99.69					
747	15	0.03	57475	99.07	794	3	0.01	57841	99.70					
748	12	0.02	57487	99.09	795	10	0.02	57851	99.72					
749	8	0.01	57495	99.10	796	1	0.00	57852	99.72					
750	14	0.02	57509	99.13	798	2	0.00	57854	99.72					
751	13	0.02	57522	99.15	799	9	0.02	57863	99.74					
752	18	0.03	57540	99.18	801	4	0.01	57867	99.74					
753	26	0.04	57566	99.22	802	1	0.00	57868	99.74					
754	8	0.01	57574	99.24	805	5	0.01	57873	99.75					
755	8	0.01	57582	99.25	806	7	0.01	57880	99.77					
756	7	0.01	57589	99.26	810	14	0.02	57894	99.79					
757	7	0.01	57596	99.28	811	1	0.00	57895	99.79					

**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	175	0.30	175	0.30	366	6	0.01	302	0.52	413	19	0.03	812	1.40
313	3	0.01	178	0.31	367	2	0.00	304	0.52	414	19	0.03	831	1.43
315	1	0.00	179	0.31	368	8	0.01	312	0.54	415	20	0.03	851	1.47
317	3	0.01	182	0.31	369	3	0.01	315	0.54	416	22	0.04	873	1.50
318	1	0.00	183	0.32	370	3	0.01	318	0.55	417	17	0.03	890	1.53
319	1	0.00	184	0.32	371	7	0.01	325	0.56	418	25	0.04	915	1.58
320	1	0.00	185	0.32	372	7	0.01	332	0.57	419	23	0.04	938	1.62
321	1	0.00	186	0.32	373	5	0.01	337	0.58	420	19	0.03	957	1.65
322	1	0.00	187	0.32	374	10	0.02	347	0.60	421	26	0.04	983	1.69
323	1	0.00	188	0.32	375	9	0.02	356	0.61	422	23	0.04	1006	1.73
325	2	0.00	190	0.33	376	3	0.01	359	0.62	423	36	0.06	1042	1.79
327	4	0.01	194	0.33	377	8	0.01	367	0.63	424	28	0.05	1070	1.84
328	2	0.00	196	0.34	378	5	0.01	372	0.64	425	37	0.06	1107	1.91
329	1	0.00	197	0.34	379	13	0.02	385	0.66	426	23	0.04	1130	1.95
330	3	0.01	200	0.34	380	4	0.01	389	0.67	427	36	0.06	1166	2.01
331	3	0.01	203	0.35	381	6	0.01	395	0.68	428	27	0.05	1193	2.05
332	1	0.00	204	0.35	382	8	0.01	403	0.69	429	27	0.05	1220	2.10
333	1	0.00	205	0.35	383	8	0.01	411	0.71	430	27	0.05	1247	2.15
334	1	0.00	206	0.35	384	6	0.01	417	0.72	431	48	0.08	1295	2.23
336	2	0.00	208	0.36	385	8	0.01	425	0.73	432	30	0.05	1325	2.28
337	1	0.00	209	0.36	386	12	0.02	437	0.75	433	36	0.06	1361	2.34
338	3	0.01	212	0.37	387	7	0.01	444	0.76	434	44	0.08	1405	2.42
339	3	0.01	215	0.37	388	11	0.02	455	0.78	435	44	0.08	1449	2.50
340	6	0.01	221	0.38	389	13	0.02	468	0.81	436	41	0.07	1490	2.57
342	2	0.00	223	0.38	390	12	0.02	480	0.83	437	50	0.09	1540	2.65
343	5	0.01	228	0.39	391	13	0.02	493	0.85	438	41	0.07	1581	2.72
344	1	0.00	229	0.39	392	9	0.02	502	0.86	439	39	0.07	1620	2.79
345	3	0.01	232	0.40	393	7	0.01	509	0.88	440	41	0.07	1661	2.86
346	3	0.01	235	0.40	394	16	0.03	525	0.90	441	47	0.08	1708	2.94
347	4	0.01	239	0.41	395	13	0.02	538	0.93	442	57	0.10	1765	3.04
348	3	0.01	242	0.42	396	11	0.02	549	0.95	443	38	0.07	1803	3.11
349	3	0.01	245	0.42	397	11	0.02	560	0.96	444	45	0.08	1848	3.18
350	2	0.00	247	0.43	398	11	0.02	571	0.98	445	53	0.09	1901	3.27
352	1	0.00	248	0.43	399	20	0.03	591	1.02	446	44	0.08	1945	3.35
353	3	0.01	251	0.43	400	11	0.02	602	1.04	447	53	0.09	1998	3.44
354	2	0.00	253	0.44	401	8	0.01	610	1.05	448	42	0.07	2040	3.51
355	2	0.00	255	0.44	402	10	0.02	620	1.07	449	56	0.10	2096	3.61
356	6	0.01	261	0.45	403	19	0.03	639	1.10	450	52	0.09	2148	3.70
357	1	0.00	262	0.45	404	20	0.03	659	1.13	451	60	0.10	2208	3.80
358	4	0.01	266	0.46	405	16	0.03	675	1.16	452	58	0.10	2266	3.90
359	4	0.01	270	0.46	406	16	0.03	691	1.19	453	74	0.13	2340	4.03
360	2	0.00	272	0.47	407	16	0.03	707	1.22	454	54	0.09	2394	4.12
361	2	0.00	274	0.47	408	22	0.04	729	1.26	455	73	0.13	2467	4.25
362	4	0.01	278	0.48	409	17	0.03	746	1.28	456	84	0.14	2551	4.39
363	4	0.01	282	0.49	410	19	0.03	765	1.32	457	86	0.15	2637	4.54
364	8	0.01	290	0.50	411	12	0.02	777	1.34	458	65	0.11	2702	4.65
365	6	0.01	296	0.51	412	16	0.03	793	1.37	459	75	0.13	2777	4.78

**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 %
460	73	0.13	2850	4.91	507	178	0.31	8706	14.99	554	315	0.54	20526	35.35
461	83	0.14	2933	5.05	508	188	0.32	8894	15.32	555	335	0.58	20861	35.93
462	88	0.15	3021	5.20	509	198	0.34	9092	15.66	556	302	0.52	21163	36.45
463	99	0.17	3120	5.37	510	207	0.36	9299	16.01	557	351	0.60	21514	37.05
464	92	0.16	3212	5.53	511	204	0.35	9503	16.37	558	311	0.54	21825	37.59
465	87	0.15	3299	5.68	512	209	0.36	9712	16.73	559	341	0.59	22166	38.17
466	75	0.13	3374	5.81	513	199	0.34	9911	17.07	560	351	0.60	22517	38.78
467	94	0.16	3468	5.97	514	196	0.34	10107	17.41	561	309	0.53	22826	39.31
468	84	0.14	3552	6.12	515	204	0.35	10311	17.76	562	324	0.56	23150	39.87
469	88	0.15	3640	6.27	516	202	0.35	10513	18.11	563	315	0.54	23465	40.41
470	90	0.15	3730	6.42	517	191	0.33	10704	18.43	564	358	0.62	23823	41.03
471	81	0.14	3811	6.56	518	204	0.35	10908	18.79	565	369	0.64	24192	41.66
472	113	0.19	3924	6.76	519	207	0.36	11115	19.14	566	354	0.61	24546	42.27
473	100	0.17	4024	6.93	520	211	0.36	11326	19.51	567	335	0.58	24881	42.85
474	100	0.17	4124	7.10	521	218	0.38	11544	19.88	568	344	0.59	25225	43.44
475	120	0.21	4244	7.31	522	227	0.39	11771	20.27	569	356	0.61	25581	44.06
476	97	0.17	4341	7.48	523	238	0.41	12009	20.68	570	348	0.60	25929	44.66
477	90	0.15	4431	7.63	524	220	0.38	12229	21.06	571	352	0.61	26281	45.26
478	105	0.18	4536	7.81	525	208	0.36	12437	21.42	572	332	0.57	26613	45.83
479	131	0.23	4667	8.04	526	237	0.41	12674	21.83	573	354	0.61	26967	46.44
480	113	0.19	4780	8.23	527	269	0.46	12943	22.29	574	379	0.65	27346	47.10
481	122	0.21	4902	8.44	528	244	0.42	13187	22.71	575	370	0.64	27716	47.73
482	133	0.23	5035	8.67	529	235	0.40	13422	23.12	576	359	0.62	28075	48.35
483	119	0.20	5154	8.88	530	258	0.44	13680	23.56	577	351	0.60	28426	48.96
484	117	0.20	5271	9.08	531	247	0.43	13927	23.99	578	349	0.60	28775	49.56
485	136	0.23	5407	9.31	532	244	0.42	14171	24.41	579	362	0.62	29137	50.18
486	130	0.22	5537	9.54	533	248	0.43	14419	24.83	580	338	0.58	29475	50.76
487	140	0.24	5677	9.78	534	309	0.53	14728	25.36	581	324	0.56	29799	51.32
488	125	0.22	5802	9.99	535	258	0.44	14986	25.81	582	346	0.60	30145	51.92
489	134	0.23	5936	10.22	536	252	0.43	15238	26.24	583	399	0.69	30544	52.60
490	142	0.24	6078	10.47	537	287	0.49	15525	26.74	584	335	0.58	30879	53.18
491	139	0.24	6217	10.71	538	293	0.50	15818	27.24	585	347	0.60	31226	53.78
492	139	0.24	6356	10.95	539	272	0.47	16090	27.71	586	354	0.61	31580	54.39
493	128	0.22	6484	11.17	540	285	0.49	16375	28.20	587	363	0.63	31943	55.01
494	155	0.27	6639	11.43	541	256	0.44	16631	28.64	588	390	0.67	32333	55.68
495	140	0.24	6779	11.67	542	296	0.51	16927	29.15	589	364	0.63	32697	56.31
496	163	0.28	6942	11.96	543	315	0.54	17242	29.69	590	354	0.61	33051	56.92
497	149	0.26	7091	12.21	544	271	0.47	17513	30.16	591	344	0.59	33395	57.51
498	162	0.28	7253	12.49	545	271	0.47	17784	30.63	592	353	0.61	33748	58.12
499	140	0.24	7393	12.73	546	325	0.56	18109	31.19	593	351	0.60	34099	58.73
500	159	0.27	7552	13.01	547	277	0.48	18386	31.66	594	388	0.67	34487	59.39
501	152	0.26	7704	13.27	548	316	0.54	18702	32.21	595	315	0.54	34802	59.94
502	179	0.31	7883	13.58	549	294	0.51	18996	32.72	596	364	0.63	35166	60.56
503	144	0.25	8027	13.82	550	296	0.51	19292	33.22	597	364	0.63	35530	61.19
504	166	0.29	8193	14.11	551	289	0.50	19581	33.72	598	351	0.60	35881	61.79
505	166	0.29	8359	14.40	552	307	0.53	19888	34.25	599	333	0.57	36214	62.37
506	169	0.29	8528	14.69	553	323	0.56	20211	34.81	600	345	0.59	36559	62.96

**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 %
601	334	0.58	36893	63.54	648	209	0.36	50510	86.99	695	64	0.11	56644	97.55
602	338	0.58	37231	64.12	649	217	0.37	50727	87.36	696	53	0.09	56697	97.64
603	341	0.59	37572	64.71	650	229	0.39	50956	87.76	697	57	0.10	56754	97.74
604	356	0.61	37928	65.32	651	232	0.40	51188	88.16	698	50	0.09	56804	97.83
605	341	0.59	38269	65.91	652	209	0.36	51397	88.52	699	51	0.09	56855	97.92
606	355	0.61	38624	66.52	653	201	0.35	51598	88.86	700	44	0.08	56899	97.99
607	350	0.60	38974	67.12	654	192	0.33	51790	89.19	701	57	0.10	56956	98.09
608	335	0.58	39309	67.70	655	212	0.37	52002	89.56	702	26	0.04	56982	98.13
609	347	0.60	39656	68.30	656	180	0.31	52182	89.87	703	44	0.08	57026	98.21
610	307	0.53	39963	68.82	657	146	0.25	52328	90.12	704	44	0.08	57070	98.29
611	363	0.63	40326	69.45	658	171	0.29	52499	90.41	705	34	0.06	57104	98.34
612	338	0.58	40664	70.03	659	190	0.33	52689	90.74	706	41	0.07	57145	98.42
613	346	0.60	41010	70.63	660	193	0.33	52882	91.07	707	33	0.06	57178	98.47
614	326	0.56	41336	71.19	661	155	0.27	53037	91.34	708	30	0.05	57208	98.52
615	329	0.57	41665	71.76	662	174	0.30	53211	91.64	709	45	0.08	57253	98.60
616	309	0.53	41974	72.29	663	165	0.28	53376	91.92	710	29	0.05	57282	98.65
617	343	0.59	42317	72.88	664	164	0.28	53540	92.21	711	34	0.06	57316	98.71
618	291	0.50	42608	73.38	665	156	0.27	53696	92.48	712	25	0.04	57341	98.75
619	318	0.55	42926	73.93	666	156	0.27	53852	92.74	713	23	0.04	57364	98.79
620	301	0.52	43227	74.45	667	128	0.22	53980	92.96	714	25	0.04	57389	98.84
621	297	0.51	43524	74.96	668	127	0.22	54107	93.18	715	35	0.06	57424	98.90
622	302	0.52	43826	75.48	669	134	0.23	54241	93.41	716	31	0.05	57455	98.95
623	284	0.49	44110	75.97	670	142	0.24	54383	93.66	717	24	0.04	57479	98.99
624	291	0.50	44401	76.47	671	110	0.19	54493	93.85	718	18	0.03	57497	99.02
625	294	0.51	44695	76.97	672	136	0.23	54629	94.08	719	22	0.04	57519	99.06
626	289	0.50	44984	77.47	673	128	0.22	54757	94.30	720	14	0.02	57533	99.08
627	281	0.48	45265	77.96	674	106	0.18	54863	94.49	721	22	0.04	57555	99.12
628	302	0.52	45567	78.48	675	101	0.17	54964	94.66	722	20	0.03	57575	99.16
629	303	0.52	45870	79.00	676	105	0.18	55069	94.84	723	7	0.01	57582	99.17
630	298	0.51	46168	79.51	677	92	0.16	55161	95.00	724	25	0.04	57607	99.21
631	261	0.45	46429	79.96	678	106	0.18	55267	95.18	725	11	0.02	57618	99.23
632	269	0.46	46698	80.42	679	90	0.15	55357	95.34	726	13	0.02	57631	99.25
633	266	0.46	46964	80.88	680	98	0.17	55455	95.51	727	19	0.03	57650	99.29
634	243	0.42	47207	81.30	681	93	0.16	55548	95.67	728	13	0.02	57663	99.31
635	259	0.45	47466	81.75	682	110	0.19	55658	95.85	729	14	0.02	57677	99.33
636	289	0.50	47755	82.24	683	97	0.17	55755	96.02	730	23	0.04	57700	99.37
637	254	0.44	48009	82.68	684	76	0.13	55831	96.15	731	12	0.02	57712	99.39
638	242	0.42	48251	83.10	685	96	0.17	55927	96.32	732	13	0.02	57725	99.41
639	237	0.41	48488	83.51	686	74	0.13	56001	96.45	733	14	0.02	57739	99.44
640	245	0.42	48733	83.93	687	74	0.13	56075	96.57	734	16	0.03	57755	99.47
641	251	0.43	48984	84.36	688	71	0.12	56146	96.70	735	14	0.02	57769	99.49
642	217	0.37	49201	84.73	689	77	0.13	56223	96.83	736	13	0.02	57782	99.51
643	265	0.46	49466	85.19	690	79	0.14	56302	96.96	737	9	0.02	57791	99.53
644	236	0.41	49702	85.60	691	84	0.14	56386	97.11	738	14	0.02	57805	99.55
645	223	0.38	49925	85.98	692	62	0.11	56448	97.22	739	5	0.01	57810	99.56
646	183	0.32	50108	86.30	693	67	0.12	56515	97.33	740	10	0.02	57820	99.58
647	193	0.33	50301	86.63	694	65	0.11	56580	97.44	741	10	0.02	57830	99.60



**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 %
742	12	0.02	57842	99.62	794	3	0.01	58012	99.91
743	7	0.01	57849	99.63	795	2	0.00	58014	99.91
744	9	0.02	57858	99.64	796	3	0.01	58017	99.92
745	11	0.02	57869	99.66	797	1	0.00	58018	99.92
746	4	0.01	57873	99.67	799	1	0.00	58019	99.92
747	9	0.02	57882	99.68	801	1	0.00	58020	99.92
748	4	0.01	57886	99.69	803	1	0.00	58021	99.92
749	6	0.01	57892	99.70	805	2	0.00	58023	99.93
750	8	0.01	57900	99.72	806	3	0.01	58026	99.93
751	4	0.01	57904	99.72	810	2	0.00	58028	99.94
752	7	0.01	57911	99.73	811	1	0.00	58029	99.94
753	3	0.01	57914	99.74	816	1	0.00	58030	99.94
754	8	0.01	57922	99.75	817	2	0.00	58032	99.94
755	7	0.01	57929	99.77	818	2	0.00	58034	99.95
757	1	0.00	57930	99.77	826	2	0.00	58036	99.95
758	6	0.01	57936	99.78	827	1	0.00	58037	99.95
759	4	0.01	57940	99.78	828	1	0.00	58038	99.95
760	2	0.00	57942	99.79	829	1	0.00	58039	99.96
761	7	0.01	57949	99.80	830	1	0.00	58040	99.96
762	3	0.01	57952	99.81	832	2	0.00	58042	99.96
763	2	0.00	57954	99.81	838	1	0.00	58043	99.96
764	4	0.01	57958	99.82	839	1	0.00	58044	99.96
765	3	0.01	57961	99.82	845	1	0.00	58045	99.97
766	3	0.01	57964	99.83	846	2	0.00	58047	99.97
767	3	0.01	57967	99.83	854	1	0.00	58048	99.97
769	4	0.01	57971	99.84	861	3	0.01	58051	99.98
770	1	0.00	57972	99.84	862	2	0.00	58053	99.98
772	1	0.00	57973	99.84	863	1	0.00	58054	99.98
773	1	0.00	57974	99.84	864	1	0.00	58055	99.98
774	5	0.01	57979	99.85	867	1	0.00	58056	99.98
775	3	0.01	57982	99.86	877	1	0.00	58057	99.99
776	1	0.00	57983	99.86	888	1	0.00	58058	99.99
777	2	0.00	57985	99.86	890	7	0.01	58065	100.00
778	2	0.00	57987	99.87					
779	1	0.00	57988	99.87					
780	2	0.00	57990	99.87					
781	1	0.00	57991	99.87					
782	3	0.01	57994	99.88					
783	1	0.00	57995	99.88					
785	3	0.01	57998	99.88					
786	1	0.00	57999	99.89					
787	2	0.00	58001	99.89					
789	1	0.00	58002	99.89					
790	1	0.00	58003	99.89					
791	3	0.01	58006	99.90					
792	2	0.00	58008	99.90					
793	1	0.00	58009	99.90					

**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	433	0.75	433	0.75	347	25	0.04	1146	1.98	394	87	0.15	3522	6.08
301	6	0.01	439	0.76	348	29	0.05	1175	2.03	395	86	0.15	3608	6.23
302	6	0.01	445	0.77	349	31	0.05	1206	2.08	396	90	0.16	3698	6.38
303	10	0.02	455	0.79	350	39	0.07	1245	2.15	397	85	0.15	3783	6.53
304	8	0.01	463	0.80	351	30	0.05	1275	2.20	398	89	0.15	3872	6.68
305	7	0.01	470	0.81	352	34	0.06	1309	2.26	399	72	0.12	3944	6.80
306	13	0.02	483	0.83	353	24	0.04	1333	2.30	400	95	0.16	4039	6.97
307	14	0.02	497	0.86	354	37	0.06	1370	2.36	401	101	0.17	4140	7.14
308	13	0.02	510	0.88	355	22	0.04	1392	2.40	402	96	0.17	4236	7.31
309	6	0.01	516	0.89	356	37	0.06	1429	2.47	403	92	0.16	4328	7.47
310	7	0.01	523	0.90	357	50	0.09	1479	2.55	404	97	0.17	4425	7.63
311	12	0.02	535	0.92	358	33	0.06	1512	2.61	405	111	0.19	4536	7.83
312	13	0.02	548	0.95	359	40	0.07	1552	2.68	406	117	0.20	4653	8.03
313	10	0.02	558	0.96	360	32	0.06	1584	2.73	407	116	0.20	4769	8.23
314	18	0.03	576	0.99	361	31	0.05	1615	2.79	408	127	0.22	4896	8.45
315	12	0.02	588	1.01	362	35	0.06	1650	2.85	409	111	0.19	5007	8.64
316	15	0.03	603	1.04	363	44	0.08	1694	2.92	410	110	0.19	5117	8.83
317	26	0.04	629	1.09	364	48	0.08	1742	3.01	411	124	0.21	5241	9.04
318	8	0.01	637	1.10	365	28	0.05	1770	3.05	412	130	0.22	5371	9.27
319	12	0.02	649	1.12	366	47	0.08	1817	3.14	413	120	0.21	5491	9.47
320	10	0.02	659	1.14	367	55	0.09	1872	3.23	414	123	0.21	5614	9.69
321	14	0.02	673	1.16	368	50	0.09	1922	3.32	415	135	0.23	5749	9.92
322	19	0.03	692	1.19	369	44	0.08	1966	3.39	416	119	0.21	5868	10.12
323	16	0.03	708	1.22	370	44	0.08	2010	3.47	417	125	0.22	5993	10.34
324	12	0.02	720	1.24	371	47	0.08	2057	3.55	418	135	0.23	6128	10.57
325	7	0.01	727	1.25	372	51	0.09	2108	3.64	419	140	0.24	6268	10.81
326	11	0.02	738	1.27	373	46	0.08	2154	3.72	420	154	0.27	6422	11.08
327	20	0.03	758	1.31	374	51	0.09	2205	3.80	421	123	0.21	6545	11.29
328	17	0.03	775	1.34	375	63	0.11	2268	3.91	422	135	0.23	6680	11.53
329	16	0.03	791	1.36	376	53	0.09	2321	4.00	423	157	0.27	6837	11.80
330	8	0.01	799	1.38	377	67	0.12	2388	4.12	424	140	0.24	6977	12.04
331	16	0.03	815	1.41	378	71	0.12	2459	4.24	425	144	0.25	7121	12.29
332	12	0.02	827	1.43	379	59	0.10	2518	4.34	426	153	0.26	7274	12.55
333	24	0.04	851	1.47	380	56	0.10	2574	4.44	427	152	0.26	7426	12.81
334	17	0.03	868	1.50	381	64	0.11	2638	4.55	428	151	0.26	7577	13.07
335	22	0.04	890	1.54	382	51	0.09	2689	4.64	429	156	0.27	7733	13.34
336	13	0.02	903	1.56	383	60	0.10	2749	4.74	430	161	0.28	7894	13.62
337	26	0.04	929	1.60	384	63	0.11	2812	4.85	431	179	0.31	8073	13.93
338	10	0.02	939	1.62	385	74	0.13	2886	4.98	432	151	0.26	8224	14.19
339	24	0.04	963	1.66	386	57	0.10	2943	5.08	433	167	0.29	8391	14.48
340	19	0.03	982	1.69	387	65	0.11	3008	5.19	434	174	0.30	8565	14.78
341	24	0.04	1006	1.74	388	62	0.11	3070	5.30	435	181	0.31	8746	15.09
342	22	0.04	1028	1.77	389	73	0.13	3143	5.42	436	187	0.32	8933	15.41
343	20	0.03	1048	1.81	390	70	0.12	3213	5.54	437	212	0.37	9145	15.78
344	17	0.03	1065	1.84	391	81	0.14	3294	5.68	438	183	0.32	9328	16.09
345	29	0.05	1094	1.89	392	54	0.09	3348	5.78	439	192	0.33	9520	16.43
346	27	0.05	1121	1.93	393	87	0.15	3435	5.93	440	185	0.32	9705	16.74



**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	166	0.29	53852	92.92	629	26	0.04	57621	99.42	680	1	0.00	57949	99.98
583	160	0.28	54012	93.19	630	20	0.03	57641	99.45	681	1	0.00	57950	99.99
584	181	0.31	54193	93.50	631	21	0.04	57662	99.49	683	1	0.00	57951	99.99
585	158	0.27	54351	93.78	632	16	0.03	57678	99.52	686	1	0.00	57952	99.99
586	154	0.27	54505	94.04	633	12	0.02	57690	99.54	694	1	0.00	57953	99.99
587	165	0.28	54670	94.33	634	17	0.03	57707	99.57	699	1	0.00	57954	99.99
588	156	0.27	54826	94.60	635	15	0.03	57722	99.59	701	1	0.00	57955	99.99
589	153	0.26	54979	94.86	636	15	0.03	57737	99.62	702	1	0.00	57956	100.00
590	144	0.25	55123	95.11	637	10	0.02	57747	99.64	712	1	0.00	57957	100.00
591	114	0.20	55237	95.31	638	13	0.02	57760	99.66	722	1	0.00	57958	100.00
592	123	0.21	55360	95.52	639	19	0.03	57779	99.69					
593	119	0.21	55479	95.72	640	12	0.02	57791	99.71					
594	113	0.19	55592	95.92	641	9	0.02	57800	99.73					
595	121	0.21	55713	96.13	642	13	0.02	57813	99.75					
596	111	0.19	55824	96.32	643	10	0.02	57823	99.77					
597	116	0.20	55940	96.52	644	9	0.02	57832	99.78					
598	106	0.18	56046	96.70	645	11	0.02	57843	99.80					
599	122	0.21	56168	96.91	646	7	0.01	57850	99.81					
600	89	0.15	56257	97.07	647	9	0.02	57859	99.83					
601	103	0.18	56360	97.24	648	6	0.01	57865	99.84					
602	83	0.14	56443	97.39	649	8	0.01	57873	99.85					
603	87	0.15	56530	97.54	650	9	0.02	57882	99.87					
604	76	0.13	56606	97.67	651	3	0.01	57885	99.87					
605	81	0.14	56687	97.81	652	6	0.01	57891	99.88					
606	69	0.12	56756	97.93	653	5	0.01	57896	99.89					
607	50	0.09	56806	98.01	654	2	0.00	57898	99.90					
608	61	0.11	56867	98.12	655	2	0.00	57900	99.90					
609	52	0.09	56919	98.21	656	5	0.01	57905	99.91					
610	55	0.09	56974	98.30	657	4	0.01	57909	99.92					
611	60	0.10	57034	98.41	658	2	0.00	57911	99.92					
612	52	0.09	57086	98.50	659	2	0.00	57913	99.92					
613	50	0.09	57136	98.58	660	4	0.01	57917	99.93					
614	47	0.08	57183	98.66	661	2	0.00	57919	99.93					
615	42	0.07	57225	98.74	662	2	0.00	57921	99.94					
616	47	0.08	57272	98.82	664	3	0.01	57924	99.94					
617	35	0.06	57307	98.88	665	2	0.00	57926	99.94					
618	35	0.06	57342	98.94	666	3	0.01	57929	99.95					
619	24	0.04	57366	98.98	667	1	0.00	57930	99.95					
620	34	0.06	57400	99.04	668	2	0.00	57932	99.96					
621	23	0.04	57423	99.08	669	2	0.00	57934	99.96					
622	33	0.06	57456	99.13	670	1	0.00	57935	99.96					
623	28	0.05	57484	99.18	671	2	0.00	57937	99.96					
624	25	0.04	57509	99.23	672	4	0.01	57941	99.97					
625	19	0.03	57528	99.26	673	3	0.01	57944	99.98					
626	32	0.06	57560	99.31	675	1	0.00	57945	99.98					
627	21	0.04	57581	99.35	676	2	0.00	57947	99.98					
628	14	0.02	57595	99.37	677	1	0.00	57948	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	133	0.23	133	0.23	487	2	0.00	226	0.38	536	25	0.04	797	1.35
394	1	0.00	134	0.23	488	3	0.01	229	0.39	537	28	0.05	825	1.40
396	1	0.00	135	0.23	491	3	0.01	232	0.39	538	27	0.05	852	1.45
406	1	0.00	136	0.23	492	3	0.01	235	0.40	539	27	0.05	879	1.49
409	1	0.00	137	0.23	493	5	0.01	240	0.41	540	27	0.05	906	1.54
410	1	0.00	138	0.23	494	6	0.01	246	0.42	541	38	0.06	944	1.60
413	1	0.00	139	0.24	495	6	0.01	252	0.43	542	37	0.06	981	1.67
414	2	0.00	141	0.24	496	5	0.01	257	0.44	543	46	0.08	1027	1.74
418	2	0.00	143	0.24	497	1	0.00	258	0.44	544	37	0.06	1064	1.81
419	1	0.00	144	0.24	498	4	0.01	262	0.44	545	42	0.07	1106	1.88
420	1	0.00	145	0.25	499	9	0.02	271	0.46	546	45	0.08	1151	1.95
427	1	0.00	146	0.25	500	5	0.01	276	0.47	547	34	0.06	1185	2.01
431	1	0.00	147	0.25	501	6	0.01	282	0.48	548	40	0.07	1225	2.08
435	6	0.01	153	0.26	502	4	0.01	286	0.49	549	33	0.06	1258	2.14
436	1	0.00	154	0.26	503	9	0.02	295	0.50	550	50	0.08	1308	2.22
437	1	0.00	155	0.26	504	8	0.01	303	0.51	551	56	0.10	1364	2.32
438	1	0.00	156	0.26	505	5	0.01	308	0.52	552	47	0.08	1411	2.40
440	2	0.00	158	0.27	506	11	0.02	319	0.54	553	51	0.09	1462	2.48
441	2	0.00	160	0.27	507	9	0.02	328	0.56	554	54	0.09	1516	2.57
443	2	0.00	162	0.28	508	7	0.01	335	0.57	555	48	0.08	1564	2.66
444	3	0.01	165	0.28	509	12	0.02	347	0.59	556	55	0.09	1619	2.75
446	1	0.00	166	0.28	510	13	0.02	360	0.61	557	62	0.11	1681	2.85
451	1	0.00	167	0.28	511	6	0.01	366	0.62	558	63	0.11	1744	2.96
458	1	0.00	168	0.29	512	10	0.02	376	0.64	559	62	0.11	1806	3.07
461	1	0.00	169	0.29	513	11	0.02	387	0.66	560	60	0.10	1866	3.17
462	2	0.00	171	0.29	514	14	0.02	401	0.68	561	77	0.13	1943	3.30
463	1	0.00	172	0.29	515	6	0.01	407	0.69	562	67	0.11	2010	3.41
464	1	0.00	173	0.29	516	7	0.01	414	0.70	563	81	0.14	2091	3.55
465	3	0.01	176	0.30	517	18	0.03	432	0.73	564	57	0.10	2148	3.65
466	2	0.00	178	0.30	518	16	0.03	448	0.76	565	65	0.11	2213	3.76
467	1	0.00	179	0.30	519	19	0.03	467	0.79	566	75	0.13	2288	3.89
468	3	0.01	182	0.31	520	8	0.01	475	0.81	567	79	0.13	2367	4.02
469	2	0.00	184	0.31	521	17	0.03	492	0.84	568	80	0.14	2447	4.16
471	1	0.00	185	0.31	522	7	0.01	499	0.85	569	76	0.13	2523	4.28
472	2	0.00	187	0.32	523	21	0.04	520	0.88	570	92	0.16	2615	4.44
475	3	0.01	190	0.32	524	16	0.03	536	0.91	571	81	0.14	2696	4.58
476	2	0.00	192	0.33	525	13	0.02	549	0.93	572	78	0.13	2774	4.71
477	1	0.00	193	0.33	526	16	0.03	565	0.96	573	91	0.15	2865	4.87
478	3	0.01	196	0.33	527	20	0.03	585	0.99	574	89	0.15	2954	5.02
479	4	0.01	200	0.34	528	18	0.03	603	1.02	575	91	0.15	3045	5.17
480	7	0.01	207	0.35	529	25	0.04	628	1.07	576	99	0.17	3144	5.34
481	2	0.00	209	0.35	530	18	0.03	646	1.10	577	102	0.17	3246	5.51
482	5	0.01	214	0.36	531	23	0.04	669	1.14	578	116	0.20	3362	5.71
483	1	0.00	215	0.37	532	18	0.03	687	1.17	579	115	0.20	3477	5.90
484	2	0.00	217	0.37	533	32	0.05	719	1.22	580	138	0.23	3615	6.14
485	5	0.01	222	0.38	534	34	0.06	753	1.28	581	116	0.20	3731	6.34
486	2	0.00	224	0.38	535	19	0.03	772	1.31	582	120	0.20	3851	6.54

**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 %
583	116	0.20	3967	6.74	630	359	0.61	15212	25.83	677	486	0.83	37446	63.59
584	112	0.19	4079	6.93	631	339	0.58	15551	26.41	678	513	0.87	37959	64.46
585	125	0.21	4204	7.14	632	396	0.67	15947	27.08	679	461	0.78	38420	65.24
586	133	0.23	4337	7.37	633	389	0.66	16336	27.74	680	516	0.88	38936	66.12
587	126	0.21	4463	7.58	634	403	0.68	16739	28.43	681	461	0.78	39397	66.90
588	151	0.26	4614	7.84	635	386	0.66	17125	29.08	682	439	0.75	39836	67.65
589	134	0.23	4748	8.06	636	375	0.64	17500	29.72	683	483	0.82	40319	68.47
590	157	0.27	4905	8.33	637	429	0.73	17929	30.45	684	453	0.77	40772	69.24
591	153	0.26	5058	8.59	638	413	0.70	18342	31.15	685	488	0.83	41260	70.07
592	164	0.28	5222	8.87	639	437	0.74	18779	31.89	686	449	0.76	41709	70.83
593	167	0.28	5389	9.15	640	424	0.72	19203	32.61	687	462	0.78	42171	71.61
594	179	0.30	5568	9.46	641	455	0.77	19658	33.38	688	470	0.80	42641	72.41
595	174	0.30	5742	9.75	642	451	0.77	20109	34.15	689	460	0.78	43101	73.19
596	189	0.32	5931	10.07	643	427	0.73	20536	34.87	690	422	0.72	43523	73.91
597	178	0.30	6109	10.37	644	424	0.72	20960	35.59	691	423	0.72	43946	74.63
598	178	0.30	6287	10.68	645	463	0.79	21423	36.38	692	422	0.72	44368	75.35
599	190	0.32	6477	11.00	646	479	0.81	21902	37.19	693	447	0.76	44815	76.10
600	209	0.35	6686	11.35	647	478	0.81	22380	38.01	694	434	0.74	45249	76.84
601	209	0.35	6895	11.71	648	510	0.87	22890	38.87	695	407	0.69	45656	77.53
602	225	0.38	7120	12.09	649	431	0.73	23321	39.60	696	419	0.71	46075	78.24
603	195	0.33	7315	12.42	650	463	0.79	23784	40.39	697	402	0.68	46477	78.93
604	190	0.32	7505	12.74	651	515	0.87	24299	41.26	698	378	0.64	46855	79.57
605	202	0.34	7707	13.09	652	509	0.86	24808	42.13	699	380	0.65	47235	80.21
606	237	0.40	7944	13.49	653	506	0.86	25314	42.99	700	389	0.66	47624	80.87
607	231	0.39	8175	13.88	654	534	0.91	25848	43.89	701	381	0.65	48005	81.52
608	257	0.44	8432	14.32	655	462	0.78	26310	44.68	702	360	0.61	48365	82.13
609	267	0.45	8699	14.77	656	487	0.83	26797	45.51	703	333	0.57	48698	82.70
610	250	0.42	8949	15.20	657	497	0.84	27294	46.35	704	355	0.60	49053	83.30
611	272	0.46	9221	15.66	658	541	0.92	27835	47.27	705	330	0.56	49383	83.86
612	293	0.50	9514	16.16	659	500	0.85	28335	48.12	706	354	0.60	49737	84.46
613	265	0.45	9779	16.61	660	508	0.86	28843	48.98	707	329	0.56	50066	85.02
614	271	0.46	10050	17.07	661	524	0.89	29367	49.87	708	364	0.62	50430	85.64
615	258	0.44	10308	17.51	662	453	0.77	29820	50.64	709	284	0.48	50714	86.12
616	311	0.53	10619	18.03	663	519	0.88	30339	51.52	710	273	0.46	50987	86.59
617	277	0.47	10896	18.50	664	511	0.87	30850	52.39	711	319	0.54	51306	87.13
618	283	0.48	11179	18.98	665	494	0.84	31344	53.23	712	332	0.56	51638	87.69
619	286	0.49	11465	19.47	666	518	0.88	31862	54.11	713	281	0.48	51919	88.17
620	309	0.52	11774	19.99	667	539	0.92	32401	55.02	714	300	0.51	52219	88.68
621	316	0.54	12090	20.53	668	520	0.88	32921	55.91	715	262	0.44	52481	89.12
622	299	0.51	12389	21.04	669	495	0.84	33416	56.75	716	260	0.44	52741	89.56
623	326	0.55	12715	21.59	670	504	0.86	33920	57.60	717	253	0.43	52994	89.99
624	326	0.55	13041	22.15	671	510	0.87	34430	58.47	718	253	0.43	53247	90.42
625	367	0.62	13408	22.77	672	504	0.86	34934	59.32	719	225	0.38	53472	90.81
626	352	0.60	13760	23.37	673	532	0.90	35466	60.23	720	238	0.40	53710	91.21
627	376	0.64	14136	24.01	674	495	0.84	35961	61.07	721	223	0.38	53933	91.59
628	367	0.62	14503	24.63	675	508	0.86	36469	61.93	722	226	0.38	54159	91.97
629	350	0.59	14853	25.22	676	491	0.83	36960	62.77	723	202	0.34	54361	92.32

**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 %
724	173	0.29	54534	92.61	771	23	0.04	58585	99.49	828	1	0.00	58873	99.98
725	202	0.34	54736	92.95	772	19	0.03	58604	99.52	832	2	0.00	58875	99.98
726	192	0.33	54928	93.28	773	20	0.03	58624	99.56	833	1	0.00	58876	99.98
727	171	0.29	55099	93.57	774	18	0.03	58642	99.59	834	2	0.00	58878	99.99
728	186	0.32	55285	93.88	775	17	0.03	58659	99.61	837	1	0.00	58879	99.99
729	164	0.28	55449	94.16	776	9	0.02	58668	99.63	840	1	0.00	58880	99.99
730	175	0.30	55624	94.46	777	15	0.03	58683	99.66	841	2	0.00	58882	99.99
731	147	0.25	55771	94.71	778	9	0.02	58692	99.67	843	1	0.00	58883	99.99
732	156	0.26	55927	94.98	779	15	0.03	58707	99.70	849	1	0.00	58884	100.00
733	136	0.23	56063	95.21	780	11	0.02	58718	99.71	866	2	0.00	58886	100.00
734	153	0.26	56216	95.47	781	7	0.01	58725	99.73					
735	122	0.21	56338	95.67	782	6	0.01	58731	99.74					
736	119	0.20	56457	95.88	783	8	0.01	58739	99.75					
737	124	0.21	56581	96.09	784	13	0.02	58752	99.77					
738	125	0.21	56706	96.30	785	5	0.01	58757	99.78					
739	118	0.20	56824	96.50	786	5	0.01	58762	99.79					
740	99	0.17	56923	96.67	787	10	0.02	58772	99.81					
741	97	0.16	57020	96.83	788	6	0.01	58778	99.82					
742	98	0.17	57118	97.00	789	11	0.02	58789	99.84					
743	85	0.14	57203	97.14	790	9	0.02	58798	99.85					
744	90	0.15	57293	97.29	791	5	0.01	58803	99.86					
745	94	0.16	57387	97.45	792	4	0.01	58807	99.87					
746	74	0.13	57461	97.58	793	7	0.01	58814	99.88					
747	73	0.12	57534	97.70	794	3	0.01	58817	99.88					
748	80	0.14	57614	97.84	795	7	0.01	58824	99.89					
749	63	0.11	57677	97.95	796	5	0.01	58829	99.90					
750	64	0.11	57741	98.06	797	2	0.00	58831	99.91					
751	53	0.09	57794	98.15	798	1	0.00	58832	99.91					
752	58	0.10	57852	98.24	799	1	0.00	58833	99.91					
753	62	0.11	57914	98.35	800	7	0.01	58840	99.92					
754	67	0.11	57981	98.46	801	5	0.01	58845	99.93					
755	46	0.08	58027	98.54	802	3	0.01	58848	99.94					
756	62	0.11	58089	98.65	804	2	0.00	58850	99.94					
757	55	0.09	58144	98.74	805	1	0.00	58851	99.94					
758	41	0.07	58185	98.81	806	3	0.01	58854	99.95					
759	37	0.06	58222	98.87	807	2	0.00	58856	99.95					
760	39	0.07	58261	98.94	808	2	0.00	58858	99.95					
761	36	0.06	58297	99.00	809	1	0.00	58859	99.95					
762	48	0.08	58345	99.08	810	2	0.00	58861	99.96					
763	31	0.05	58376	99.13	811	1	0.00	58862	99.96					
764	35	0.06	58411	99.19	813	2	0.00	58864	99.96					
765	37	0.06	58448	99.26	815	2	0.00	58866	99.97					
766	30	0.05	58478	99.31	817	1	0.00	58867	99.97					
767	32	0.05	58510	99.36	818	2	0.00	58869	99.97					
768	19	0.03	58529	99.39	820	1	0.00	58870	99.97					
769	12	0.02	58541	99.41	826	1	0.00	58871	99.97					
770	21	0.04	58562	99.45	827	1	0.00	58872	99.98					

**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	70	0.12	70	0.12	319	1	0.00	158	0.27	366	12	0.02	514	0.87
263	1	0.00	71	0.12	320	5	0.01	163	0.28	367	27	0.05	541	0.92
265	2	0.00	73	0.12	321	7	0.01	170	0.29	368	15	0.03	556	0.94
269	2	0.00	75	0.13	322	8	0.01	178	0.30	369	14	0.02	570	0.97
270	2	0.00	77	0.13	323	4	0.01	182	0.31	370	12	0.02	582	0.99
271	2	0.00	79	0.13	324	2	0.00	184	0.31	371	12	0.02	594	1.01
272	1	0.00	80	0.14	325	2	0.00	186	0.32	372	13	0.02	607	1.03
274	1	0.00	81	0.14	326	9	0.02	195	0.33	373	23	0.04	630	1.07
276	3	0.01	84	0.14	327	8	0.01	203	0.34	374	19	0.03	649	1.10
277	1	0.00	85	0.14	328	6	0.01	209	0.35	375	19	0.03	668	1.13
278	2	0.00	87	0.15	329	5	0.01	214	0.36	376	18	0.03	686	1.16
279	4	0.01	91	0.15	330	7	0.01	221	0.38	377	19	0.03	705	1.20
280	1	0.00	92	0.16	331	2	0.00	223	0.38	378	19	0.03	724	1.23
281	1	0.00	93	0.16	332	7	0.01	230	0.39	379	14	0.02	738	1.25
282	1	0.00	94	0.16	333	9	0.02	239	0.41	380	25	0.04	763	1.29
283	1	0.00	95	0.16	334	6	0.01	245	0.42	381	21	0.04	784	1.33
284	2	0.00	97	0.16	335	7	0.01	252	0.43	382	16	0.03	800	1.36
285	1	0.00	98	0.17	336	3	0.01	255	0.43	383	20	0.03	820	1.39
286	1	0.00	99	0.17	337	7	0.01	262	0.44	384	26	0.04	846	1.44
288	1	0.00	100	0.17	338	6	0.01	268	0.45	385	18	0.03	864	1.47
290	2	0.00	102	0.17	339	3	0.01	271	0.46	386	27	0.05	891	1.51
291	2	0.00	104	0.18	340	5	0.01	276	0.47	387	21	0.04	912	1.55
292	1	0.00	105	0.18	341	6	0.01	282	0.48	388	15	0.03	927	1.57
293	1	0.00	106	0.18	342	10	0.02	292	0.50	389	22	0.04	949	1.61
294	1	0.00	107	0.18	343	8	0.01	300	0.51	390	28	0.05	977	1.66
295	1	0.00	108	0.18	344	4	0.01	304	0.52	391	18	0.03	995	1.69
296	1	0.00	109	0.18	345	5	0.01	309	0.52	392	14	0.02	1009	1.71
298	1	0.00	110	0.19	346	2	0.00	311	0.53	393	23	0.04	1032	1.75
299	3	0.01	113	0.19	347	12	0.02	323	0.55	394	22	0.04	1054	1.79
300	2	0.00	115	0.20	348	5	0.01	328	0.56	395	27	0.05	1081	1.83
301	1	0.00	116	0.20	349	7	0.01	335	0.57	396	24	0.04	1105	1.88
302	1	0.00	117	0.20	350	11	0.02	346	0.59	397	11	0.02	1116	1.89
303	1	0.00	118	0.20	351	3	0.01	349	0.59	398	32	0.05	1148	1.95
305	6	0.01	124	0.21	352	10	0.02	359	0.61	399	34	0.06	1182	2.01
306	1	0.00	125	0.21	353	6	0.01	365	0.62	400	26	0.04	1208	2.05
307	4	0.01	129	0.22	354	9	0.02	374	0.63	401	21	0.04	1229	2.09
308	2	0.00	131	0.22	355	5	0.01	379	0.64	402	28	0.05	1257	2.13
309	4	0.01	135	0.23	356	18	0.03	397	0.67	403	27	0.05	1284	2.18
310	2	0.00	137	0.23	357	13	0.02	410	0.70	404	23	0.04	1307	2.22
311	5	0.01	142	0.24	358	4	0.01	414	0.70	405	41	0.07	1348	2.29
312	2	0.00	144	0.24	359	7	0.01	421	0.71	406	25	0.04	1373	2.33
313	2	0.00	146	0.25	360	9	0.02	430	0.73	407	24	0.04	1397	2.37
314	2	0.00	148	0.25	361	14	0.02	444	0.75	408	26	0.04	1423	2.41
315	2	0.00	150	0.25	362	12	0.02	456	0.77	409	32	0.05	1455	2.47
316	3	0.01	153	0.26	363	18	0.03	474	0.80	410	39	0.07	1494	2.54
317	2	0.00	155	0.26	364	17	0.03	491	0.83	411	23	0.04	1517	2.57
318	2	0.00	157	0.27	365	11	0.02	502	0.85	412	36	0.06	1553	2.64



**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	45	0.08	1598	2.71	460	112	0.19	4744	8.05	507	223	0.38	12382	21.01
414	40	0.07	1638	2.78	461	103	0.17	4847	8.22	508	213	0.36	12595	21.37
415	42	0.07	1680	2.85	462	120	0.20	4967	8.43	509	219	0.37	12814	21.74
416	38	0.06	1718	2.92	463	122	0.21	5089	8.64	510	216	0.37	13030	22.11
417	34	0.06	1752	2.97	464	96	0.16	5185	8.80	511	230	0.39	13260	22.50
418	49	0.08	1801	3.06	465	111	0.19	5296	8.99	512	225	0.38	13485	22.88
419	46	0.08	1847	3.13	466	124	0.21	5420	9.20	513	211	0.36	13696	23.24
420	44	0.07	1891	3.21	467	126	0.21	5546	9.41	514	255	0.43	13951	23.67
421	33	0.06	1924	3.26	468	120	0.20	5666	9.61	515	230	0.39	14181	24.06
422	46	0.08	1970	3.34	469	107	0.18	5773	9.80	516	231	0.39	14412	24.46
423	40	0.07	2010	3.41	470	149	0.25	5922	10.05	517	225	0.38	14637	24.84
424	44	0.07	2054	3.49	471	123	0.21	6045	10.26	518	251	0.43	14888	25.26
425	49	0.08	2103	3.57	472	157	0.27	6202	10.52	519	255	0.43	15143	25.70
426	62	0.11	2165	3.67	473	140	0.24	6342	10.76	520	230	0.39	15373	26.09
427	36	0.06	2201	3.73	474	132	0.22	6474	10.99	521	230	0.39	15603	26.48
428	53	0.09	2254	3.82	475	124	0.21	6598	11.20	522	246	0.42	15849	26.89
429	43	0.07	2297	3.90	476	152	0.26	6750	11.45	523	264	0.45	16113	27.34
430	54	0.09	2351	3.99	477	141	0.24	6891	11.69	524	293	0.50	16406	27.84
431	66	0.11	2417	4.10	478	141	0.24	7032	11.93	525	254	0.43	16660	28.27
432	57	0.10	2474	4.20	479	151	0.26	7183	12.19	526	250	0.42	16910	28.69
433	57	0.10	2531	4.29	480	141	0.24	7324	12.43	527	237	0.40	17147	29.10
434	58	0.10	2589	4.39	481	165	0.28	7489	12.71	528	254	0.43	17401	29.53
435	58	0.10	2647	4.49	482	168	0.29	7657	12.99	529	279	0.47	17680	30.00
436	69	0.12	2716	4.61	483	159	0.27	7816	13.26	530	286	0.49	17966	30.49
437	69	0.12	2785	4.73	484	161	0.27	7977	13.54	531	246	0.42	18212	30.90
438	74	0.13	2859	4.85	485	167	0.28	8144	13.82	532	280	0.48	18492	31.38
439	64	0.11	2923	4.96	486	170	0.29	8314	14.11	533	277	0.47	18769	31.85
440	78	0.13	3001	5.09	487	174	0.30	8488	14.40	534	273	0.46	19042	32.31
441	66	0.11	3067	5.20	488	160	0.27	8648	14.67	535	272	0.46	19314	32.77
442	79	0.13	3146	5.34	489	188	0.32	8836	14.99	536	306	0.52	19620	33.29
443	68	0.12	3214	5.45	490	167	0.28	9003	15.28	537	272	0.46	19892	33.75
444	86	0.15	3300	5.60	491	179	0.30	9182	15.58	538	267	0.45	20159	34.21
445	61	0.10	3361	5.70	492	189	0.32	9371	15.90	539	290	0.49	20449	34.70
446	69	0.12	3430	5.82	493	190	0.32	9561	16.22	540	289	0.49	20738	35.19
447	77	0.13	3507	5.95	494	189	0.32	9750	16.54	541	282	0.48	21020	35.67
448	74	0.13	3581	6.08	495	174	0.30	9924	16.84	542	295	0.50	21315	36.17
449	84	0.14	3665	6.22	496	178	0.30	10102	17.14	543	285	0.48	21600	36.65
450	96	0.16	3761	6.38	497	195	0.33	10297	17.47	544	293	0.50	21893	37.15
451	97	0.16	3858	6.55	498	198	0.34	10495	17.81	545	252	0.43	22145	37.58
452	96	0.16	3954	6.71	499	216	0.37	10711	18.18	546	300	0.51	22445	38.09
453	100	0.17	4054	6.88	500	227	0.39	10938	18.56	547	289	0.49	22734	38.58
454	83	0.14	4137	7.02	501	194	0.33	11132	18.89	548	316	0.54	23050	39.11
455	84	0.14	4221	7.16	502	210	0.36	11342	19.25	549	326	0.55	23376	39.67
456	102	0.17	4323	7.34	503	206	0.35	11548	19.60	550	306	0.52	23682	40.19
457	110	0.19	4433	7.52	504	205	0.35	11753	19.94	551	293	0.50	23975	40.68
458	93	0.16	4526	7.68	505	202	0.34	11955	20.29	552	289	0.49	24264	41.17
459	106	0.18	4632	7.86	506	204	0.35	12159	20.63	553	310	0.53	24574	41.70

**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	309	0.52	24883	42.22	601	296	0.50	39570	67.15	648	158	0.27	50493	85.68
555	315	0.53	25198	42.76	602	311	0.53	39881	67.67	649	159	0.27	50652	85.95
556	304	0.52	25502	43.27	603	290	0.49	40171	68.17	650	170	0.29	50822	86.24
557	359	0.61	25861	43.88	604	289	0.49	40460	68.66	651	153	0.26	50975	86.50
558	311	0.53	26172	44.41	605	280	0.48	40740	69.13	652	148	0.25	51123	86.75
559	295	0.50	26467	44.91	606	299	0.51	41039	69.64	653	150	0.25	51273	87.01
560	336	0.57	26803	45.48	607	267	0.45	41306	70.09	654	159	0.27	51432	87.27
561	305	0.52	27108	46.00	608	255	0.43	41561	70.52	655	151	0.26	51583	87.53
562	299	0.51	27407	46.51	609	282	0.48	41843	71.00	656	154	0.26	51737	87.79
563	333	0.57	27740	47.07	610	274	0.46	42117	71.47	657	159	0.27	51896	88.06
564	329	0.56	28069	47.63	611	277	0.47	42394	71.94	658	162	0.27	52058	88.34
565	325	0.55	28394	48.18	612	243	0.41	42637	72.35	659	139	0.24	52197	88.57
566	300	0.51	28694	48.69	613	254	0.43	42891	72.78	660	139	0.24	52336	88.81
567	327	0.55	29021	49.25	614	236	0.40	43127	73.18	661	160	0.27	52496	89.08
568	333	0.57	29354	49.81	615	231	0.39	43358	73.57	662	131	0.22	52627	89.30
569	313	0.53	29667	50.34	616	272	0.46	43630	74.04	663	142	0.24	52769	89.54
570	329	0.56	29996	50.90	617	246	0.42	43876	74.45	664	119	0.20	52888	89.75
571	330	0.56	30326	51.46	618	246	0.42	44122	74.87	665	157	0.27	53045	90.01
572	307	0.52	30633	51.98	619	269	0.46	44391	75.33	666	127	0.22	53172	90.23
573	329	0.56	30962	52.54	620	231	0.39	44622	75.72	667	113	0.19	53285	90.42
574	319	0.54	31281	53.08	621	267	0.45	44889	76.17	668	123	0.21	53408	90.63
575	284	0.48	31565	53.56	622	244	0.41	45133	76.59	669	111	0.19	53519	90.82
576	340	0.58	31905	54.14	623	243	0.41	45376	77.00	670	123	0.21	53642	91.03
577	327	0.55	32232	54.69	624	222	0.38	45598	77.38	671	130	0.22	53772	91.25
578	299	0.51	32531	55.20	625	242	0.41	45840	77.79	672	126	0.21	53898	91.46
579	301	0.51	32832	55.71	626	220	0.37	46060	78.16	673	102	0.17	54000	91.63
580	326	0.55	33158	56.27	627	252	0.43	46312	78.59	674	104	0.18	54104	91.81
581	311	0.53	33469	56.79	628	248	0.42	46560	79.01	675	100	0.17	54204	91.98
582	294	0.50	33763	57.29	629	244	0.41	46804	79.42	676	114	0.19	54318	92.17
583	342	0.58	34105	57.87	630	241	0.41	47045	79.83	677	93	0.16	54411	92.33
584	297	0.50	34402	58.38	631	220	0.37	47265	80.20	678	103	0.17	54514	92.50
585	292	0.50	34694	58.87	632	216	0.37	47481	80.57	679	111	0.19	54625	92.69
586	266	0.45	34960	59.32	633	232	0.39	47713	80.96	680	84	0.14	54709	92.84
587	316	0.54	35276	59.86	634	213	0.36	47926	81.33	681	112	0.19	54821	93.03
588	349	0.59	35625	60.45	635	192	0.33	48118	81.65	682	87	0.15	54908	93.17
589	308	0.52	35933	60.97	636	205	0.35	48323	82.00	683	89	0.15	54997	93.32
590	326	0.55	36259	61.53	637	188	0.32	48511	82.32	684	85	0.14	55082	93.47
591	292	0.50	36551	62.02	638	192	0.33	48703	82.64	685	107	0.18	55189	93.65
592	288	0.49	36839	62.51	639	185	0.31	48888	82.96	686	91	0.15	55280	93.80
593	305	0.52	37144	63.03	640	201	0.34	49089	83.30	687	85	0.14	55365	93.95
594	304	0.52	37448	63.55	641	161	0.27	49250	83.57	688	80	0.14	55445	94.08
595	361	0.61	37809	64.16	642	182	0.31	49432	83.88	689	87	0.15	55532	94.23
596	286	0.49	38095	64.64	643	173	0.29	49605	84.17	690	76	0.13	55608	94.36
597	278	0.47	38373	65.12	644	187	0.32	49792	84.49	691	66	0.11	55674	94.47
598	328	0.56	38701	65.67	645	186	0.32	49978	84.81	692	66	0.11	55740	94.59
599	295	0.50	38996	66.17	646	170	0.29	50148	85.10	693	88	0.15	55828	94.73
600	278	0.47	39274	66.64	647	187	0.32	50335	85.41	694	49	0.08	55877	94.82

**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	84	0.14	55961	94.96	742	13	0.02	57980	98.39	789	1	0.00	58620	99.47
696	54	0.09	56015	95.05	743	31	0.05	58011	98.44	790	5	0.01	58625	99.48
697	70	0.12	56085	95.17	744	18	0.03	58029	98.47	791	8	0.01	58633	99.49
698	95	0.16	56180	95.33	745	13	0.02	58042	98.49	792	1	0.00	58634	99.50
699	61	0.10	56241	95.44	746	22	0.04	58064	98.53	793	6	0.01	58640	99.51
700	83	0.14	56324	95.58	747	14	0.02	58078	98.55	794	2	0.00	58642	99.51
701	62	0.11	56386	95.68	748	19	0.03	58097	98.58	795	5	0.01	58647	99.52
702	65	0.11	56451	95.79	749	25	0.04	58122	98.63	796	4	0.01	58651	99.52
703	52	0.09	56503	95.88	750	21	0.04	58143	98.66	797	2	0.00	58653	99.53
704	56	0.10	56559	95.97	751	29	0.05	58172	98.71	798	5	0.01	58658	99.54
705	56	0.10	56615	96.07	752	25	0.04	58197	98.75	799	2	0.00	58660	99.54
706	45	0.08	56660	96.15	753	23	0.04	58220	98.79	800	4	0.01	58664	99.55
707	57	0.10	56717	96.24	754	25	0.04	58245	98.84	801	2	0.00	58666	99.55
708	54	0.09	56771	96.33	755	10	0.02	58255	98.85	802	7	0.01	58673	99.56
709	60	0.10	56831	96.44	756	21	0.04	58276	98.89	803	5	0.01	58678	99.57
710	51	0.09	56882	96.52	757	11	0.02	58287	98.91	804	2	0.00	58680	99.57
711	57	0.10	56939	96.62	758	18	0.03	58305	98.94	805	11	0.02	58691	99.59
712	81	0.14	57020	96.76	759	18	0.03	58323	98.97	806	8	0.01	58699	99.61
713	48	0.08	57068	96.84	760	9	0.02	58332	98.98	807	3	0.01	58702	99.61
714	56	0.10	57124	96.93	761	11	0.02	58343	99.00	808	4	0.01	58706	99.62
715	33	0.06	57157	96.99	762	5	0.01	58348	99.01	809	5	0.01	58711	99.63
716	52	0.09	57209	97.08	763	8	0.01	58356	99.02	810	3	0.01	58714	99.63
717	27	0.05	57236	97.12	764	17	0.03	58373	99.05	811	5	0.01	58719	99.64
718	34	0.06	57270	97.18	765	6	0.01	58379	99.06	812	4	0.01	58723	99.65
719	33	0.06	57303	97.24	766	5	0.01	58384	99.07	813	3	0.01	58726	99.65
720	32	0.05	57335	97.29	767	7	0.01	58391	99.08	815	11	0.02	58737	99.67
721	29	0.05	57364	97.34	768	7	0.01	58398	99.10	816	2	0.00	58739	99.67
722	41	0.07	57405	97.41	769	14	0.02	58412	99.12	817	6	0.01	58745	99.68
723	35	0.06	57440	97.47	770	11	0.02	58423	99.14	818	1	0.00	58746	99.69
724	39	0.07	57479	97.54	771	8	0.01	58431	99.15	819	2	0.00	58748	99.69
725	35	0.06	57514	97.60	772	15	0.03	58446	99.18	820	28	0.05	58776	99.74
726	33	0.06	57547	97.65	773	10	0.02	58456	99.19	821	1	0.00	58777	99.74
727	43	0.07	57590	97.72	774	10	0.02	58466	99.21	822	7	0.01	58784	99.75
728	38	0.06	57628	97.79	775	10	0.02	58476	99.23	823	4	0.01	58788	99.76
729	43	0.07	57671	97.86	776	18	0.03	58494	99.26	824	2	0.00	58790	99.76
730	44	0.07	57715	97.94	777	15	0.03	58509	99.28	826	1	0.00	58791	99.76
731	36	0.06	57751	98.00	778	14	0.02	58523	99.31	827	3	0.01	58794	99.77
732	18	0.03	57769	98.03	779	31	0.05	58554	99.36	828	1	0.00	58795	99.77
733	33	0.06	57802	98.08	780	5	0.01	58559	99.37	829	3	0.01	58798	99.77
734	27	0.05	57829	98.13	781	12	0.02	58571	99.39	830	2	0.00	58800	99.78
735	19	0.03	57848	98.16	782	6	0.01	58577	99.40	831	1	0.00	58801	99.78
736	19	0.03	57867	98.19	783	10	0.02	58587	99.42	832	6	0.01	58807	99.79
737	24	0.04	57891	98.24	784	14	0.02	58601	99.44	833	5	0.01	58812	99.80
738	18	0.03	57909	98.27	785	3	0.01	58604	99.45	834	1	0.00	58813	99.80
739	25	0.04	57934	98.31	786	7	0.01	58611	99.46	841	2	0.00	58815	99.80
740	22	0.04	57956	98.35	787	6	0.01	58617	99.47	842	3	0.01	58818	99.81
741	11	0.02	57967	98.36	788	2	0.00	58619	99.47	848	2	0.00	58820	99.81

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

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

SS	Freq	%	Cum Freq	Cum %
850	1	0.00	58821	99.81
851	1	0.00	58822	99.82
852	2	0.00	58824	99.82
855	2	0.00	58826	99.82
856	7	0.01	58833	99.83
861	4	0.01	58837	99.84
864	1	0.00	58838	99.84
866	11	0.02	58849	99.86
874	9	0.02	58858	99.88
876	5	0.01	58863	99.88
883	17	0.03	58880	99.91
884	13	0.02	58893	99.94
887	4	0.01	58897	99.94
898	1	0.00	58898	99.94
901	5	0.01	58903	99.95
907	1	0.00	58904	99.95
910	2	0.00	58906	99.96
930	25	0.04	58931	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	436	0.74	436	0.74	387	16	0.03	837	1.42	434	42	0.07	2124	3.60
341	1	0.00	437	0.74	388	17	0.03	854	1.45	435	57	0.10	2181	3.70
342	3	0.01	440	0.75	389	14	0.02	868	1.47	436	47	0.08	2228	3.77
343	6	0.01	446	0.76	390	17	0.03	885	1.50	437	38	0.06	2266	3.84
344	3	0.01	449	0.76	391	15	0.03	900	1.52	438	65	0.11	2331	3.95
345	5	0.01	454	0.77	392	9	0.02	909	1.54	439	44	0.07	2375	4.02
346	5	0.01	459	0.78	393	20	0.03	929	1.57	440	53	0.09	2428	4.11
347	5	0.01	464	0.79	394	15	0.03	944	1.60	441	53	0.09	2481	4.20
348	7	0.01	471	0.80	395	27	0.05	971	1.65	442	47	0.08	2528	4.28
349	5	0.01	476	0.81	396	18	0.03	989	1.68	443	49	0.08	2577	4.37
350	8	0.01	484	0.82	397	15	0.03	1004	1.70	444	57	0.10	2634	4.46
351	5	0.01	489	0.83	398	19	0.03	1023	1.73	445	43	0.07	2677	4.54
352	5	0.01	494	0.84	399	22	0.04	1045	1.77	446	57	0.10	2734	4.63
353	8	0.01	502	0.85	400	22	0.04	1067	1.81	447	69	0.12	2803	4.75
354	9	0.02	511	0.87	401	22	0.04	1089	1.85	448	57	0.10	2860	4.85
355	6	0.01	517	0.88	402	23	0.04	1112	1.88	449	54	0.09	2914	4.94
356	5	0.01	522	0.88	403	26	0.04	1138	1.93	450	51	0.09	2965	5.02
357	11	0.02	533	0.90	404	22	0.04	1160	1.97	451	62	0.11	3027	5.13
358	8	0.01	541	0.92	405	26	0.04	1186	2.01	452	72	0.12	3099	5.25
359	6	0.01	547	0.93	406	22	0.04	1208	2.05	453	57	0.10	3156	5.35
360	7	0.01	554	0.94	407	15	0.03	1223	2.07	454	86	0.15	3242	5.49
361	6	0.01	560	0.95	408	22	0.04	1245	2.11	455	86	0.15	3328	5.64
362	11	0.02	571	0.97	409	24	0.04	1269	2.15	456	67	0.11	3395	5.75
363	3	0.01	574	0.97	410	26	0.04	1295	2.19	457	75	0.13	3470	5.88
364	13	0.02	587	0.99	411	27	0.05	1322	2.24	458	88	0.15	3558	6.03
365	7	0.01	594	1.01	412	28	0.05	1350	2.29	459	90	0.15	3648	6.18
366	11	0.02	605	1.03	413	29	0.05	1379	2.34	460	91	0.15	3739	6.33
367	4	0.01	609	1.03	414	30	0.05	1409	2.39	461	76	0.13	3815	6.46
368	9	0.02	618	1.05	415	15	0.03	1424	2.41	462	82	0.14	3897	6.60
369	14	0.02	632	1.07	416	29	0.05	1453	2.46	463	89	0.15	3986	6.75
370	11	0.02	643	1.09	417	30	0.05	1483	2.51	464	78	0.13	4064	6.89
371	7	0.01	650	1.10	418	33	0.06	1516	2.57	465	86	0.15	4150	7.03
372	10	0.02	660	1.12	419	38	0.06	1554	2.63	466	89	0.15	4239	7.18
373	12	0.02	672	1.14	420	33	0.06	1587	2.69	467	101	0.17	4340	7.35
374	16	0.03	688	1.17	421	39	0.07	1626	2.75	468	90	0.15	4430	7.51
375	14	0.02	702	1.19	422	34	0.06	1660	2.81	469	106	0.18	4536	7.69
376	7	0.01	709	1.20	423	32	0.05	1692	2.87	470	107	0.18	4643	7.87
377	11	0.02	720	1.22	424	31	0.05	1723	2.92	471	104	0.18	4747	8.04
378	11	0.02	731	1.24	425	36	0.06	1759	2.98	472	95	0.16	4842	8.20
379	15	0.03	746	1.26	426	31	0.05	1790	3.03	473	91	0.15	4933	8.36
380	14	0.02	760	1.29	427	48	0.08	1838	3.11	474	92	0.16	5025	8.51
381	7	0.01	767	1.30	428	36	0.06	1874	3.18	475	107	0.18	5132	8.69
382	10	0.02	777	1.32	429	32	0.05	1906	3.23	476	115	0.19	5247	8.89
383	8	0.01	785	1.33	430	34	0.06	1940	3.29	477	90	0.15	5337	9.04
384	10	0.02	795	1.35	431	45	0.08	1985	3.36	478	102	0.17	5439	9.22
385	11	0.02	806	1.37	432	54	0.09	2039	3.45	479	116	0.20	5555	9.41
386	15	0.03	821	1.39	433	43	0.07	2082	3.53	480	115	0.19	5670	9.61

**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	107	0.18	5777	9.79	528	225	0.38	13741	23.28	575	308	0.52	27594	46.75
482	113	0.19	5890	9.98	529	236	0.40	13977	23.68	576	320	0.54	27914	47.29
483	120	0.20	6010	10.18	530	263	0.45	14240	24.13	577	340	0.58	28254	47.87
484	129	0.22	6139	10.40	531	248	0.42	14488	24.55	578	366	0.62	28620	48.49
485	116	0.20	6255	10.60	532	239	0.40	14727	24.95	579	342	0.58	28962	49.07
486	115	0.19	6370	10.79	533	254	0.43	14981	25.38	580	349	0.59	29311	49.66
487	133	0.23	6503	11.02	534	239	0.40	15220	25.79	581	312	0.53	29623	50.19
488	137	0.23	6640	11.25	535	224	0.38	15444	26.17	582	322	0.55	29945	50.73
489	118	0.20	6758	11.45	536	251	0.43	15695	26.59	583	320	0.54	30265	51.28
490	135	0.23	6893	11.68	537	269	0.46	15964	27.05	584	344	0.58	30609	51.86
491	135	0.23	7028	11.91	538	242	0.41	16206	27.46	585	314	0.53	30923	52.39
492	137	0.23	7165	12.14	539	252	0.43	16458	27.88	586	341	0.58	31264	52.97
493	142	0.24	7307	12.38	540	279	0.47	16737	28.36	587	388	0.66	31652	53.63
494	143	0.24	7450	12.62	541	277	0.47	17014	28.83	588	355	0.60	32007	54.23
495	127	0.22	7577	12.84	542	274	0.46	17288	29.29	589	362	0.61	32369	54.84
496	127	0.22	7704	13.05	543	265	0.45	17553	29.74	590	301	0.51	32670	55.35
497	166	0.28	7870	13.33	544	260	0.44	17813	30.18	591	374	0.63	33044	55.98
498	143	0.24	8013	13.58	545	274	0.46	18087	30.64	592	345	0.58	33389	56.57
499	174	0.29	8187	13.87	546	292	0.49	18379	31.14	593	332	0.56	33721	57.13
500	142	0.24	8329	14.11	547	287	0.49	18666	31.62	594	352	0.60	34073	57.73
501	164	0.28	8493	14.39	548	278	0.47	18944	32.10	595	353	0.60	34426	58.33
502	143	0.24	8636	14.63	549	303	0.51	19247	32.61	596	370	0.63	34796	58.95
503	140	0.24	8776	14.87	550	302	0.51	19549	33.12	597	332	0.56	35128	59.52
504	165	0.28	8941	15.15	551	314	0.53	19863	33.65	598	347	0.59	35475	60.10
505	165	0.28	9106	15.43	552	294	0.50	20157	34.15	599	322	0.55	35797	60.65
506	169	0.29	9275	15.71	553	313	0.53	20470	34.68	600	299	0.51	36096	61.16
507	171	0.29	9446	16.00	554	314	0.53	20784	35.21	601	332	0.56	36428	61.72
508	206	0.35	9652	16.35	555	284	0.48	21068	35.69	602	311	0.53	36739	62.25
509	192	0.33	9844	16.68	556	342	0.58	21410	36.27	603	313	0.53	37052	62.78
510	197	0.33	10041	17.01	557	300	0.51	21710	36.78	604	328	0.56	37380	63.33
511	157	0.27	10198	17.28	558	324	0.55	22034	37.33	605	327	0.55	37707	63.89
512	192	0.33	10390	17.60	559	315	0.53	22349	37.86	606	342	0.58	38049	64.46
513	197	0.33	10587	17.94	560	304	0.52	22653	38.38	607	367	0.62	38416	65.09
514	173	0.29	10760	18.23	561	332	0.56	22985	38.94	608	340	0.58	38756	65.66
515	206	0.35	10966	18.58	562	359	0.61	23344	39.55	609	332	0.56	39088	66.23
516	209	0.35	11175	18.93	563	301	0.51	23645	40.06	610	319	0.54	39407	66.77
517	231	0.39	11406	19.32	564	311	0.53	23956	40.59	611	361	0.61	39768	67.38
518	199	0.34	11605	19.66	565	308	0.52	24264	41.11	612	319	0.54	40087	67.92
519	200	0.34	11805	20.00	566	292	0.49	24556	41.60	613	337	0.57	40424	68.49
520	198	0.34	12003	20.34	567	365	0.62	24921	42.22	614	313	0.53	40737	69.02
521	207	0.35	12210	20.69	568	329	0.56	25250	42.78	615	287	0.49	41024	69.51
522	218	0.37	12428	21.06	569	358	0.61	25608	43.39	616	332	0.56	41356	70.07
523	225	0.38	12653	21.44	570	355	0.60	25963	43.99	617	300	0.51	41656	70.58
524	216	0.37	12869	21.80	571	317	0.54	26280	44.53	618	328	0.56	41984	71.13
525	216	0.37	13085	22.17	572	338	0.57	26618	45.10	619	309	0.52	42293	71.66
526	214	0.36	13299	22.53	573	348	0.59	26966	45.69	620	294	0.50	42587	72.15
527	217	0.37	13516	22.90	574	320	0.54	27286	46.23	621	302	0.51	42889	72.66

**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	336	0.57	43225	73.23	669	164	0.28	54275	91.96	716	35	0.06	58261	98.71
623	311	0.53	43536	73.76	670	171	0.29	54446	92.25	717	29	0.05	58290	98.76
624	283	0.48	43819	74.24	671	150	0.25	54596	92.50	718	40	0.07	58330	98.83
625	304	0.52	44123	74.76	672	121	0.21	54717	92.70	719	33	0.06	58363	98.88
626	294	0.50	44417	75.25	673	130	0.22	54847	92.92	720	27	0.05	58390	98.93
627	320	0.54	44737	75.80	674	130	0.22	54977	93.15	721	27	0.05	58417	98.97
628	312	0.53	45049	76.32	675	125	0.21	55102	93.36	722	24	0.04	58441	99.01
629	297	0.50	45346	76.83	676	123	0.21	55225	93.57	723	27	0.05	58468	99.06
630	316	0.54	45662	77.36	677	149	0.25	55374	93.82	724	33	0.06	58501	99.12
631	281	0.48	45943	77.84	678	96	0.16	55470	93.98	725	21	0.04	58522	99.15
632	260	0.44	46203	78.28	679	103	0.17	55573	94.15	726	18	0.03	58540	99.18
633	269	0.46	46472	78.74	680	112	0.19	55685	94.34	727	25	0.04	58565	99.22
634	281	0.48	46753	79.21	681	129	0.22	55814	94.56	728	19	0.03	58584	99.26
635	257	0.44	47010	79.65	682	111	0.19	55925	94.75	729	23	0.04	58607	99.30
636	267	0.45	47277	80.10	683	117	0.20	56042	94.95	730	11	0.02	58618	99.31
637	308	0.52	47585	80.62	684	110	0.19	56152	95.14	731	20	0.03	58638	99.35
638	248	0.42	47833	81.04	685	102	0.17	56254	95.31	732	19	0.03	58657	99.38
639	293	0.50	48126	81.54	686	113	0.19	56367	95.50	733	22	0.04	58679	99.42
640	260	0.44	48386	81.98	687	102	0.17	56469	95.67	734	15	0.03	58694	99.44
641	220	0.37	48606	82.35	688	95	0.16	56564	95.83	735	22	0.04	58716	99.48
642	247	0.42	48853	82.77	689	102	0.17	56666	96.01	736	12	0.02	58728	99.50
643	227	0.38	49080	83.15	690	92	0.16	56758	96.16	737	12	0.02	58740	99.52
644	223	0.38	49303	83.53	691	82	0.14	56840	96.30	738	14	0.02	58754	99.54
645	266	0.45	49569	83.98	692	100	0.17	56940	96.47	739	10	0.02	58764	99.56
646	222	0.38	49791	84.36	693	82	0.14	57022	96.61	740	13	0.02	58777	99.58
647	215	0.36	50006	84.72	694	72	0.12	57094	96.73	741	11	0.02	58788	99.60
648	222	0.38	50228	85.10	695	73	0.12	57167	96.86	742	8	0.01	58796	99.62
649	227	0.38	50455	85.48	696	67	0.11	57234	96.97	743	17	0.03	58813	99.64
650	231	0.39	50686	85.87	697	74	0.13	57308	97.09	744	11	0.02	58824	99.66
651	203	0.34	50889	86.22	698	68	0.12	57376	97.21	745	12	0.02	58836	99.68
652	202	0.34	51091	86.56	699	64	0.11	57440	97.32	746	7	0.01	58843	99.70
653	240	0.41	51331	86.97	700	78	0.13	57518	97.45	747	6	0.01	58849	99.71
654	216	0.37	51547	87.33	701	77	0.13	57595	97.58	748	5	0.01	58854	99.71
655	218	0.37	51765	87.70	702	50	0.08	57645	97.67	749	9	0.02	58863	99.73
656	204	0.35	51969	88.05	703	59	0.10	57704	97.77	750	7	0.01	58870	99.74
657	198	0.34	52167	88.38	704	50	0.08	57754	97.85	751	5	0.01	58875	99.75
658	184	0.31	52351	88.70	705	52	0.09	57806	97.94	752	3	0.01	58878	99.75
659	177	0.30	52528	89.00	706	56	0.09	57862	98.03	753	8	0.01	58886	99.77
660	207	0.35	52735	89.35	707	50	0.08	57912	98.12	754	7	0.01	58893	99.78
661	164	0.28	52899	89.62	708	52	0.09	57964	98.21	755	5	0.01	58898	99.79
662	180	0.30	53079	89.93	709	61	0.10	58025	98.31	756	3	0.01	58901	99.79
663	203	0.34	53282	90.27	710	37	0.06	58062	98.37	757	4	0.01	58905	99.80
664	158	0.27	53440	90.54	711	37	0.06	58099	98.43	758	5	0.01	58910	99.81
665	176	0.30	53616	90.84	712	34	0.06	58133	98.49	759	4	0.01	58914	99.82
666	158	0.27	53774	91.11	713	31	0.05	58164	98.54	760	4	0.01	58918	99.82
667	178	0.30	53952	91.41	714	40	0.07	58204	98.61	761	1	0.00	58919	99.82
668	159	0.27	54111	91.68	715	22	0.04	58226	98.65	762	7	0.01	58926	99.84

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

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

SS	Freq	%	Cum Freq	Cum %
763	3	0.01	58929	99.84
764	7	0.01	58936	99.85
765	7	0.01	58943	99.86
766	2	0.00	58945	99.87
767	1	0.00	58946	99.87
768	6	0.01	58952	99.88
769	4	0.01	58956	99.89
770	1	0.00	58957	99.89
771	4	0.01	58961	99.89
772	3	0.01	58964	99.90
773	4	0.01	58968	99.91
774	1	0.00	58969	99.91
775	3	0.01	58972	99.91
776	3	0.01	58975	99.92
777	2	0.00	58977	99.92
778	1	0.00	58978	99.92
779	5	0.01	58983	99.93
780	2	0.00	58985	99.94
781	3	0.01	58988	99.94
782	1	0.00	58989	99.94
783	1	0.00	58990	99.94
784	3	0.01	58993	99.95
786	1	0.00	58994	99.95
787	4	0.01	58998	99.96
789	1	0.00	58999	99.96
791	4	0.01	59003	99.97
799	1	0.00	59004	99.97
800	1	0.00	59005	99.97
802	2	0.00	59007	99.97
806	3	0.01	59010	99.98
807	1	0.00	59011	99.98
818	2	0.00	59013	99.98
819	2	0.00	59015	99.99
834	2	0.00	59017	99.99
838	1	0.00	59018	99.99
848	1	0.00	59019	99.99
868	1	0.00	59020	99.99
874	1	0.00	59021	100.00
920	2	0.00	59023	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	198	0.35	198	0.35	485	3	0.01	271	0.48	533	17	0.03	610	1.08
371	2	0.00	200	0.35	486	5	0.01	276	0.49	534	13	0.02	623	1.10
375	2	0.00	202	0.36	487	3	0.01	279	0.49	535	15	0.03	638	1.13
384	3	0.01	205	0.36	488	3	0.01	282	0.50	536	20	0.04	658	1.17
385	1	0.00	206	0.36	489	3	0.01	285	0.50	537	17	0.03	675	1.20
396	4	0.01	210	0.37	490	1	0.00	286	0.51	538	26	0.05	701	1.24
398	2	0.00	212	0.38	491	3	0.01	289	0.51	539	18	0.03	719	1.27
400	2	0.00	214	0.38	492	3	0.01	292	0.52	540	16	0.03	735	1.30
403	1	0.00	215	0.38	493	3	0.01	295	0.52	541	23	0.04	758	1.34
409	1	0.00	216	0.38	494	3	0.01	298	0.53	542	22	0.04	780	1.38
411	1	0.00	217	0.38	495	7	0.01	305	0.54	543	26	0.05	806	1.43
414	1	0.00	218	0.39	496	2	0.00	307	0.54	544	25	0.04	831	1.47
419	1	0.00	219	0.39	497	8	0.01	315	0.56	545	23	0.04	854	1.51
421	2	0.00	221	0.39	498	6	0.01	321	0.57	546	28	0.05	882	1.56
423	1	0.00	222	0.39	499	3	0.01	324	0.57	547	23	0.04	905	1.60
425	1	0.00	223	0.39	500	3	0.01	327	0.58	548	29	0.05	934	1.65
429	1	0.00	224	0.40	501	11	0.02	338	0.60	549	20	0.04	954	1.69
431	1	0.00	225	0.40	502	2	0.00	340	0.60	550	36	0.06	990	1.75
432	2	0.00	227	0.40	504	5	0.01	345	0.61	551	29	0.05	1019	1.80
433	1	0.00	228	0.40	505	1	0.00	346	0.61	552	29	0.05	1048	1.86
437	1	0.00	229	0.41	506	5	0.01	351	0.62	553	33	0.06	1081	1.91
439	1	0.00	230	0.41	507	9	0.02	360	0.64	554	33	0.06	1114	1.97
440	1	0.00	231	0.41	508	6	0.01	366	0.65	555	20	0.04	1134	2.01
441	1	0.00	232	0.41	509	6	0.01	372	0.66	556	36	0.06	1170	2.07
442	1	0.00	233	0.41	510	10	0.02	382	0.68	557	32	0.06	1202	2.13
443	1	0.00	234	0.41	511	3	0.01	385	0.68	558	36	0.06	1238	2.19
454	1	0.00	235	0.42	512	10	0.02	395	0.70	559	43	0.08	1281	2.27
456	1	0.00	236	0.42	513	5	0.01	400	0.71	560	49	0.09	1330	2.36
457	2	0.00	238	0.42	514	5	0.01	405	0.72	561	45	0.08	1375	2.44
461	1	0.00	239	0.42	515	10	0.02	415	0.73	562	42	0.07	1417	2.51
463	1	0.00	240	0.43	516	12	0.02	427	0.76	563	37	0.07	1454	2.58
464	1	0.00	241	0.43	517	9	0.02	436	0.77	564	40	0.07	1494	2.65
467	2	0.00	243	0.43	518	9	0.02	445	0.79	565	31	0.05	1525	2.70
468	2	0.00	245	0.43	519	11	0.02	456	0.81	566	62	0.11	1587	2.81
470	1	0.00	246	0.44	520	9	0.02	465	0.82	567	40	0.07	1627	2.88
471	1	0.00	247	0.44	521	8	0.01	473	0.84	568	58	0.10	1685	2.98
472	2	0.00	249	0.44	522	10	0.02	483	0.86	569	40	0.07	1725	3.06
473	2	0.00	251	0.44	523	2	0.00	485	0.86	570	46	0.08	1771	3.14
475	1	0.00	252	0.45	524	15	0.03	500	0.89	571	60	0.11	1831	3.24
476	1	0.00	253	0.45	525	10	0.02	510	0.90	572	49	0.09	1880	3.33
477	3	0.01	256	0.45	526	12	0.02	522	0.92	573	64	0.11	1944	3.44
479	1	0.00	257	0.46	527	12	0.02	534	0.95	574	59	0.10	2003	3.55
480	2	0.00	259	0.46	528	9	0.02	543	0.96	575	50	0.09	2053	3.64
481	1	0.00	260	0.46	529	9	0.02	552	0.98	576	63	0.11	2116	3.75
482	4	0.01	264	0.47	530	14	0.02	566	1.00	577	51	0.09	2167	3.84
483	2	0.00	266	0.47	531	9	0.02	575	1.02	578	67	0.12	2234	3.96
484	2	0.00	268	0.47	532	18	0.03	593	1.05	579	73	0.13	2307	4.09

**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 %
580	67	0.12	2374	4.20	627	213	0.38	8385	14.85	674	429	0.76	23607	41.81
581	62	0.11	2436	4.31	628	234	0.41	8619	15.26	675	420	0.74	24027	42.55
582	77	0.14	2513	4.45	629	201	0.36	8820	15.62	676	448	0.79	24475	43.35
583	46	0.08	2559	4.53	630	228	0.40	9048	16.02	677	430	0.76	24905	44.11
584	98	0.17	2657	4.71	631	218	0.39	9266	16.41	678	456	0.81	25361	44.92
585	77	0.14	2734	4.84	632	212	0.38	9478	16.79	679	453	0.80	25814	45.72
586	74	0.13	2808	4.97	633	205	0.36	9683	17.15	680	446	0.79	26260	46.51
587	76	0.13	2884	5.11	634	244	0.43	9927	17.58	681	449	0.80	26709	47.30
588	69	0.12	2953	5.23	635	225	0.40	10152	17.98	682	507	0.90	27216	48.20
589	78	0.14	3031	5.37	636	243	0.43	10395	18.41	683	439	0.78	27655	48.98
590	81	0.14	3112	5.51	637	253	0.45	10648	18.86	684	450	0.80	28105	49.78
591	91	0.16	3203	5.67	638	273	0.48	10921	19.34	685	467	0.83	28572	50.60
592	93	0.16	3296	5.84	639	263	0.47	11184	19.81	686	468	0.83	29040	51.43
593	75	0.13	3371	5.97	640	247	0.44	11431	20.25	687	454	0.80	29494	52.24
594	94	0.17	3465	6.14	641	263	0.47	11694	20.71	688	475	0.84	29969	53.08
595	101	0.18	3566	6.32	642	274	0.49	11968	21.20	689	486	0.86	30455	53.94
596	120	0.21	3686	6.53	643	283	0.50	12251	21.70	690	464	0.82	30919	54.76
597	103	0.18	3789	6.71	644	298	0.53	12549	22.23	691	499	0.88	31418	55.64
598	95	0.17	3884	6.88	645	286	0.51	12835	22.73	692	468	0.83	31886	56.47
599	108	0.19	3992	7.07	646	288	0.51	13123	23.24	693	477	0.84	32363	57.32
600	129	0.23	4121	7.30	647	285	0.50	13408	23.75	694	468	0.83	32831	58.15
601	112	0.20	4233	7.50	648	304	0.54	13712	24.28	695	508	0.90	33339	59.05
602	109	0.19	4342	7.69	649	326	0.58	14038	24.86	696	458	0.81	33797	59.86
603	105	0.19	4447	7.88	650	342	0.61	14380	25.47	697	463	0.82	34260	60.68
604	145	0.26	4592	8.13	651	329	0.58	14709	26.05	698	475	0.84	34735	61.52
605	116	0.21	4708	8.34	652	333	0.59	15042	26.64	699	506	0.90	35241	62.41
606	137	0.24	4845	8.58	653	342	0.61	15384	27.25	700	441	0.78	35682	63.20
607	110	0.19	4955	8.78	654	332	0.59	15716	27.83	701	471	0.83	36153	64.03
608	124	0.22	5079	9.00	655	373	0.66	16089	28.49	702	454	0.80	36607	64.83
609	154	0.27	5233	9.27	656	331	0.59	16420	29.08	703	439	0.78	37046	65.61
610	158	0.28	5391	9.55	657	366	0.65	16786	29.73	704	424	0.75	37470	66.36
611	128	0.23	5519	9.77	658	354	0.63	17140	30.36	705	432	0.77	37902	67.13
612	164	0.29	5683	10.06	659	362	0.64	17502	31.00	706	430	0.76	38332	67.89
613	147	0.26	5830	10.33	660	386	0.68	17888	31.68	707	468	0.83	38800	68.72
614	151	0.27	5981	10.59	661	399	0.71	18287	32.39	708	484	0.86	39284	69.57
615	145	0.26	6126	10.85	662	378	0.67	18665	33.06	709	448	0.79	39732	70.37
616	165	0.29	6291	11.14	663	380	0.67	19045	33.73	710	448	0.79	40180	71.16
617	172	0.30	6463	11.45	664	384	0.68	19429	34.41	711	424	0.75	40604	71.91
618	171	0.30	6634	11.75	665	395	0.70	19824	35.11	712	443	0.78	41047	72.70
619	198	0.35	6832	12.10	666	422	0.75	20246	35.86	713	387	0.69	41434	73.38
620	163	0.29	6995	12.39	667	433	0.77	20679	36.62	714	450	0.80	41884	74.18
621	174	0.31	7169	12.70	668	415	0.73	21094	37.36	715	426	0.75	42310	74.93
622	204	0.36	7373	13.06	669	419	0.74	21513	38.10	716	437	0.77	42747	75.71
623	188	0.33	7561	13.39	670	413	0.73	21926	38.83	717	438	0.78	43185	76.48
624	195	0.35	7756	13.74	671	399	0.71	22325	39.54	718	386	0.68	43571	77.17
625	197	0.35	7953	14.09	672	422	0.75	22747	40.29	719	433	0.77	44004	77.93
626	219	0.39	8172	14.47	673	431	0.76	23178	41.05	720	419	0.74	44423	78.68

**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 %
721	409	0.72	44832	79.40	768	73	0.13	55021	97.45	815	7	0.01	56382	99.86
722	351	0.62	45183	80.02	769	73	0.13	55094	97.58	816	4	0.01	56386	99.86
723	345	0.61	45528	80.63	770	75	0.13	55169	97.71	817	6	0.01	56392	99.87
724	383	0.68	45911	81.31	771	61	0.11	55230	97.82	818	4	0.01	56396	99.88
725	338	0.60	46249	81.91	772	59	0.10	55289	97.92	819	8	0.01	56404	99.90
726	340	0.60	46589	82.51	773	78	0.14	55367	98.06	820	4	0.01	56408	99.90
727	341	0.60	46930	83.12	774	51	0.09	55418	98.15	821	1	0.00	56409	99.90
728	328	0.58	47258	83.70	775	69	0.12	55487	98.27	822	4	0.01	56413	99.91
729	313	0.55	47571	84.25	776	55	0.10	55542	98.37	823	4	0.01	56417	99.92
730	304	0.54	47875	84.79	777	41	0.07	55583	98.44	824	2	0.00	56419	99.92
731	303	0.54	48178	85.33	778	48	0.09	55631	98.53	825	7	0.01	56426	99.93
732	319	0.56	48497	85.89	779	35	0.06	55666	98.59	826	1	0.00	56427	99.94
733	304	0.54	48801	86.43	780	52	0.09	55718	98.68	827	3	0.01	56430	99.94
734	274	0.49	49075	86.92	781	37	0.07	55755	98.75	828	2	0.00	56432	99.95
735	311	0.55	49386	87.47	782	43	0.08	55798	98.82	830	1	0.00	56433	99.95
736	246	0.44	49632	87.90	783	38	0.07	55836	98.89	831	3	0.01	56436	99.95
737	274	0.49	49906	88.39	784	30	0.05	55866	98.94	832	4	0.01	56440	99.96
738	239	0.42	50145	88.81	785	37	0.07	55903	99.01	833	3	0.01	56443	99.96
739	243	0.43	50388	89.24	786	31	0.05	55934	99.06	834	1	0.00	56444	99.97
740	254	0.45	50642	89.69	787	38	0.07	55972	99.13	835	1	0.00	56445	99.97
741	229	0.41	50871	90.10	788	29	0.05	56001	99.18	836	1	0.00	56446	99.97
742	228	0.40	51099	90.50	789	28	0.05	56029	99.23	837	1	0.00	56447	99.97
743	231	0.41	51330	90.91	790	27	0.05	56056	99.28	838	2	0.00	56449	99.98
744	216	0.38	51546	91.29	791	19	0.03	56075	99.31	841	2	0.00	56451	99.98
745	227	0.40	51773	91.69	792	23	0.04	56098	99.35	843	1	0.00	56452	99.98
746	230	0.41	52003	92.10	793	25	0.04	56123	99.40	845	1	0.00	56453	99.98
747	215	0.38	52218	92.48	794	18	0.03	56141	99.43	849	1	0.00	56454	99.98
748	193	0.34	52411	92.82	795	31	0.05	56172	99.48	856	1	0.00	56455	99.99
749	195	0.35	52606	93.17	796	18	0.03	56190	99.52	860	1	0.00	56456	99.99
750	166	0.29	52772	93.46	797	14	0.02	56204	99.54	861	1	0.00	56457	99.99
751	169	0.30	52941	93.76	798	10	0.02	56214	99.56	863	1	0.00	56458	99.99
752	182	0.32	53123	94.08	799	16	0.03	56230	99.59	864	1	0.00	56459	99.99
753	175	0.31	53298	94.39	800	15	0.03	56245	99.61	866	1	0.00	56460	99.99
754	162	0.29	53460	94.68	801	20	0.04	56265	99.65	868	1	0.00	56461	100.00
755	113	0.20	53573	94.88	802	6	0.01	56271	99.66	871	1	0.00	56462	100.00
756	152	0.27	53725	95.15	803	15	0.03	56286	99.69	874	1	0.00	56463	100.00
757	142	0.25	53867	95.40	804	15	0.03	56301	99.71					
758	133	0.24	54000	95.64	805	8	0.01	56309	99.73					
759	145	0.26	54145	95.89	806	8	0.01	56317	99.74					
760	96	0.17	54241	96.06	807	9	0.02	56326	99.76					
761	125	0.22	54366	96.29	808	9	0.02	56335	99.77					
762	103	0.18	54469	96.47	809	4	0.01	56339	99.78					
763	105	0.19	54574	96.65	810	7	0.01	56346	99.79					
764	105	0.19	54679	96.84	811	8	0.01	56354	99.81					
765	95	0.17	54774	97.01	812	10	0.02	56364	99.82					
766	102	0.18	54876	97.19	813	8	0.01	56372	99.84					
767	72	0.13	54948	97.32	814	3	0.01	56375	99.84					

**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	48	0.09	48	0.09	337	4	0.01	138	0.24	385	9	0.02	393	0.70
271	1	0.00	49	0.09	338	2	0.00	140	0.25	386	10	0.02	403	0.71
273	1	0.00	50	0.09	339	5	0.01	145	0.26	387	13	0.02	416	0.74
276	1	0.00	51	0.09	340	2	0.00	147	0.26	388	13	0.02	429	0.76
277	1	0.00	52	0.09	342	2	0.00	149	0.26	389	15	0.03	444	0.79
278	1	0.00	53	0.09	343	2	0.00	151	0.27	390	18	0.03	462	0.82
279	1	0.00	54	0.10	344	4	0.01	155	0.27	391	13	0.02	475	0.84
281	1	0.00	55	0.10	345	1	0.00	156	0.28	392	10	0.02	485	0.86
283	3	0.01	58	0.10	346	5	0.01	161	0.29	393	13	0.02	498	0.88
285	2	0.00	60	0.11	347	2	0.00	163	0.29	394	14	0.02	512	0.91
291	2	0.00	62	0.11	348	3	0.01	166	0.29	395	9	0.02	521	0.92
292	3	0.01	65	0.12	349	2	0.00	168	0.30	396	13	0.02	534	0.95
293	3	0.01	68	0.12	350	3	0.01	171	0.30	397	14	0.02	548	0.97
296	2	0.00	70	0.12	351	4	0.01	175	0.31	398	10	0.02	558	0.99
297	2	0.00	72	0.13	352	2	0.00	177	0.31	399	17	0.03	575	1.02
298	1	0.00	73	0.13	353	4	0.01	181	0.32	400	17	0.03	592	1.05
299	1	0.00	74	0.13	354	5	0.01	186	0.33	401	9	0.02	601	1.06
301	1	0.00	75	0.13	355	5	0.01	191	0.34	402	16	0.03	617	1.09
302	1	0.00	76	0.13	356	1	0.00	192	0.34	403	19	0.03	636	1.13
303	4	0.01	80	0.14	357	2	0.00	194	0.34	404	16	0.03	652	1.15
305	1	0.00	81	0.14	358	4	0.01	198	0.35	405	20	0.04	672	1.19
306	2	0.00	83	0.15	359	8	0.01	206	0.36	406	21	0.04	693	1.23
307	1	0.00	84	0.15	360	3	0.01	209	0.37	407	22	0.04	715	1.27
309	1	0.00	85	0.15	361	8	0.01	217	0.38	408	13	0.02	728	1.29
312	3	0.01	88	0.16	362	4	0.01	221	0.39	409	20	0.04	748	1.32
313	1	0.00	89	0.16	363	4	0.01	225	0.40	410	20	0.04	768	1.36
314	1	0.00	90	0.16	364	9	0.02	234	0.41	411	25	0.04	793	1.40
315	1	0.00	91	0.16	365	6	0.01	240	0.43	412	21	0.04	814	1.44
316	2	0.00	93	0.16	366	3	0.01	243	0.43	413	26	0.05	840	1.49
317	1	0.00	94	0.17	367	8	0.01	251	0.44	414	33	0.06	873	1.55
318	1	0.00	95	0.17	368	5	0.01	256	0.45	415	26	0.05	899	1.59
319	1	0.00	96	0.17	369	5	0.01	261	0.46	416	31	0.05	930	1.65
320	4	0.01	100	0.18	370	5	0.01	266	0.47	417	35	0.06	965	1.71
321	3	0.01	103	0.18	371	5	0.01	271	0.48	418	28	0.05	993	1.76
322	3	0.01	106	0.19	372	7	0.01	278	0.49	419	34	0.06	1027	1.82
323	2	0.00	108	0.19	373	7	0.01	285	0.50	420	28	0.05	1055	1.87
324	3	0.01	111	0.20	374	10	0.02	295	0.52	421	35	0.06	1090	1.93
325	2	0.00	113	0.20	375	9	0.02	304	0.54	422	33	0.06	1123	1.99
326	7	0.01	120	0.21	376	10	0.02	314	0.56	423	31	0.05	1154	2.04
329	4	0.01	124	0.22	377	6	0.01	320	0.57	424	29	0.05	1183	2.10
330	3	0.01	127	0.22	378	9	0.02	329	0.58	425	32	0.06	1215	2.15
331	1	0.00	128	0.23	379	13	0.02	342	0.61	426	30	0.05	1245	2.20
332	1	0.00	129	0.23	380	7	0.01	349	0.62	427	39	0.07	1284	2.27
333	1	0.00	130	0.23	381	6	0.01	355	0.63	428	42	0.07	1326	2.35
334	1	0.00	131	0.23	382	8	0.01	363	0.64	429	29	0.05	1355	2.40
335	2	0.00	133	0.24	383	6	0.01	369	0.65	430	37	0.07	1392	2.47
336	1	0.00	134	0.24	384	15	0.03	384	0.68	431	41	0.07	1433	2.54

**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 %
432	51	0.09	1484	2.63	479	124	0.22	5571	9.87	526	232	0.41	13923	24.66
433	45	0.08	1529	2.71	480	131	0.23	5702	10.10	527	230	0.41	14153	25.07
434	51	0.09	1580	2.80	481	128	0.23	5830	10.33	528	255	0.45	14408	25.52
435	47	0.08	1627	2.88	482	136	0.24	5966	10.57	529	251	0.44	14659	25.96
436	46	0.08	1673	2.96	483	128	0.23	6094	10.79	530	234	0.41	14893	26.38
437	55	0.10	1728	3.06	484	131	0.23	6225	11.02	531	242	0.43	15135	26.81
438	58	0.10	1786	3.16	485	123	0.22	6348	11.24	532	277	0.49	15412	27.30
439	54	0.10	1840	3.26	486	127	0.22	6475	11.47	533	258	0.46	15670	27.75
440	50	0.09	1890	3.35	487	141	0.25	6616	11.72	534	267	0.47	15937	28.23
441	74	0.13	1964	3.48	488	148	0.26	6764	11.98	535	255	0.45	16192	28.68
442	65	0.12	2029	3.59	489	126	0.22	6890	12.20	536	256	0.45	16448	29.13
443	54	0.10	2083	3.69	490	147	0.26	7037	12.46	537	256	0.45	16704	29.58
444	47	0.08	2130	3.77	491	153	0.27	7190	12.73	538	295	0.52	16999	30.11
445	66	0.12	2196	3.89	492	142	0.25	7332	12.99	539	262	0.46	17261	30.57
446	94	0.17	2290	4.06	493	159	0.28	7491	13.27	540	322	0.57	17583	31.14
447	65	0.12	2355	4.17	494	148	0.26	7639	13.53	541	288	0.51	17871	31.65
448	80	0.14	2435	4.31	495	141	0.25	7780	13.78	542	284	0.50	18155	32.15
449	69	0.12	2504	4.43	496	166	0.29	7946	14.07	543	293	0.52	18448	32.67
450	84	0.15	2588	4.58	497	155	0.27	8101	14.35	544	279	0.49	18727	33.17
451	82	0.15	2670	4.73	498	171	0.30	8272	14.65	545	317	0.56	19044	33.73
452	95	0.17	2765	4.90	499	152	0.27	8424	14.92	546	303	0.54	19347	34.26
453	80	0.14	2845	5.04	500	164	0.29	8588	15.21	547	289	0.51	19636	34.78
454	86	0.15	2931	5.19	501	171	0.30	8759	15.51	548	301	0.53	19937	35.31
455	82	0.15	3013	5.34	502	186	0.33	8945	15.84	549	326	0.58	20263	35.89
456	76	0.13	3089	5.47	503	189	0.33	9134	16.18	550	285	0.50	20548	36.39
457	95	0.17	3184	5.64	504	186	0.33	9320	16.51	551	283	0.50	20831	36.89
458	99	0.18	3283	5.81	505	159	0.28	9479	16.79	552	330	0.58	21161	37.48
459	87	0.15	3370	5.97	506	185	0.33	9664	17.12	553	322	0.57	21483	38.05
460	88	0.16	3458	6.12	507	177	0.31	9841	17.43	554	298	0.53	21781	38.58
461	81	0.14	3539	6.27	508	193	0.34	10034	17.77	555	337	0.60	22118	39.17
462	89	0.16	3628	6.43	509	190	0.34	10224	18.11	556	285	0.50	22403	39.68
463	96	0.17	3724	6.60	510	194	0.34	10418	18.45	557	333	0.59	22736	40.27
464	96	0.17	3820	6.77	511	198	0.35	10616	18.80	558	305	0.54	23041	40.81
465	103	0.18	3923	6.95	512	193	0.34	10809	19.14	559	290	0.51	23331	41.32
466	124	0.22	4047	7.17	513	193	0.34	11002	19.49	560	311	0.55	23642	41.87
467	115	0.20	4162	7.37	514	188	0.33	11190	19.82	561	324	0.57	23966	42.45
468	92	0.16	4254	7.53	515	220	0.39	11410	20.21	562	302	0.53	24268	42.98
469	103	0.18	4357	7.72	516	208	0.37	11618	20.58	563	355	0.63	24623	43.61
470	117	0.21	4474	7.92	517	199	0.35	11817	20.93	564	342	0.61	24965	44.21
471	116	0.21	4590	8.13	518	233	0.41	12050	21.34	565	347	0.61	25312	44.83
472	113	0.20	4703	8.33	519	221	0.39	12271	21.73	566	314	0.56	25626	45.39
473	120	0.21	4823	8.54	520	219	0.39	12490	22.12	567	308	0.55	25934	45.93
474	133	0.24	4956	8.78	521	245	0.43	12735	22.55	568	336	0.60	26270	46.53
475	130	0.23	5086	9.01	522	230	0.41	12965	22.96	569	326	0.58	26596	47.10
476	106	0.19	5192	9.20	523	219	0.39	13184	23.35	570	350	0.62	26946	47.72
477	109	0.19	5301	9.39	524	255	0.45	13439	23.80	571	355	0.63	27301	48.35
478	146	0.26	5447	9.65	525	252	0.45	13691	24.25	572	312	0.55	27613	48.90

**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 %
573	345	0.61	27958	49.52	620	240	0.43	42090	74.54	667	131	0.23	51249	90.77
574	299	0.53	28257	50.05	621	256	0.45	42346	75.00	668	117	0.21	51366	90.97
575	339	0.60	28596	50.65	622	257	0.46	42603	75.45	669	122	0.22	51488	91.19
576	344	0.61	28940	51.25	623	248	0.44	42851	75.89	670	131	0.23	51619	91.42
577	346	0.61	29286	51.87	624	221	0.39	43072	76.28	671	134	0.24	51753	91.66
578	359	0.64	29645	52.50	625	248	0.44	43320	76.72	672	109	0.19	51862	91.85
579	325	0.58	29970	53.08	626	248	0.44	43568	77.16	673	111	0.20	51973	92.05
580	304	0.54	30274	53.62	627	240	0.43	43808	77.59	674	129	0.23	52102	92.28
581	337	0.60	30611	54.21	628	253	0.45	44061	78.04	675	111	0.20	52213	92.47
582	314	0.56	30925	54.77	629	207	0.37	44268	78.40	676	127	0.22	52340	92.70
583	346	0.61	31271	55.38	630	220	0.39	44488	78.79	677	121	0.21	52461	92.91
584	333	0.59	31604	55.97	631	204	0.36	44692	79.15	678	115	0.20	52576	93.12
585	320	0.57	31924	56.54	632	248	0.44	44940	79.59	679	94	0.17	52670	93.28
586	322	0.57	32246	57.11	633	235	0.42	45175	80.01	680	77	0.14	52747	93.42
587	338	0.60	32584	57.71	634	216	0.38	45391	80.39	681	95	0.17	52842	93.59
588	328	0.58	32912	58.29	635	207	0.37	45598	80.76	682	77	0.14	52919	93.72
589	333	0.59	33245	58.88	636	185	0.33	45783	81.08	683	92	0.16	53011	93.89
590	347	0.61	33592	59.49	637	222	0.39	46005	81.48	684	104	0.18	53115	94.07
591	327	0.58	33919	60.07	638	213	0.38	46218	81.86	685	98	0.17	53213	94.24
592	300	0.53	34219	60.60	639	208	0.37	46426	82.22	686	93	0.16	53306	94.41
593	290	0.51	34509	61.12	640	214	0.38	46640	82.60	687	87	0.15	53393	94.56
594	321	0.57	34830	61.69	641	207	0.37	46847	82.97	688	98	0.17	53491	94.74
595	321	0.57	35151	62.25	642	194	0.34	47041	83.31	689	78	0.14	53569	94.87
596	278	0.49	35429	62.75	643	197	0.35	47238	83.66	690	90	0.16	53659	95.03
597	275	0.49	35704	63.23	644	188	0.33	47426	83.99	691	58	0.10	53717	95.14
598	299	0.53	36003	63.76	645	201	0.36	47627	84.35	692	54	0.10	53771	95.23
599	311	0.55	36314	64.31	646	183	0.32	47810	84.67	693	46	0.08	53817	95.31
600	278	0.49	36592	64.81	647	203	0.36	48013	85.03	694	86	0.15	53903	95.47
601	281	0.50	36873	65.30	648	192	0.34	48205	85.37	695	61	0.11	53964	95.57
602	294	0.52	37167	65.83	649	193	0.34	48398	85.72	696	71	0.13	54035	95.70
603	275	0.49	37442	66.31	650	194	0.34	48592	86.06	697	52	0.09	54087	95.79
604	287	0.51	37729	66.82	651	156	0.28	48748	86.34	698	107	0.19	54194	95.98
605	297	0.53	38026	67.35	652	144	0.26	48892	86.59	699	48	0.09	54242	96.07
606	286	0.51	38312	67.85	653	172	0.30	49064	86.90	700	67	0.12	54309	96.19
607	297	0.53	38609	68.38	654	164	0.29	49228	87.19	701	51	0.09	54360	96.28
608	277	0.49	38886	68.87	655	173	0.31	49401	87.49	702	41	0.07	54401	96.35
609	290	0.51	39176	69.38	656	183	0.32	49584	87.82	703	46	0.08	54447	96.43
610	267	0.47	39443	69.86	657	176	0.31	49760	88.13	704	46	0.08	54493	96.51
611	243	0.43	39686	70.29	658	189	0.33	49949	88.46	705	42	0.07	54535	96.59
612	271	0.48	39957	70.77	659	154	0.27	50103	88.74	706	33	0.06	54568	96.64
613	243	0.43	40200	71.20	660	161	0.29	50264	89.02	707	51	0.09	54619	96.73
614	256	0.45	40456	71.65	661	149	0.26	50413	89.29	708	35	0.06	54654	96.80
615	278	0.49	40734	72.14	662	128	0.23	50541	89.51	709	52	0.09	54706	96.89
616	271	0.48	41005	72.62	663	120	0.21	50661	89.72	710	43	0.08	54749	96.96
617	291	0.52	41296	73.14	664	137	0.24	50798	89.97	711	72	0.13	54821	97.09
618	271	0.48	41567	73.62	665	163	0.29	50961	90.26	712	42	0.07	54863	97.17
619	283	0.50	41850	74.12	666	157	0.28	51118	90.53	713	39	0.07	54902	97.24

**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 %
714	40	0.07	54942	97.31	761	13	0.02	56004	99.19	808	1	0.00	56335	99.77
715	33	0.06	54975	97.36	762	12	0.02	56016	99.21	809	1	0.00	56336	99.78
716	37	0.07	55012	97.43	763	7	0.01	56023	99.22	810	3	0.01	56339	99.78
717	26	0.05	55038	97.48	764	10	0.02	56033	99.24	811	4	0.01	56343	99.79
718	32	0.06	55070	97.53	765	41	0.07	56074	99.31	813	2	0.00	56345	99.79
719	29	0.05	55099	97.58	766	6	0.01	56080	99.32	814	3	0.01	56348	99.80
720	32	0.06	55131	97.64	767	6	0.01	56086	99.33	816	7	0.01	56355	99.81
721	31	0.05	55162	97.70	768	16	0.03	56102	99.36	817	1	0.00	56356	99.81
722	32	0.06	55194	97.75	769	7	0.01	56109	99.37	824	2	0.00	56358	99.81
723	52	0.09	55246	97.84	770	6	0.01	56115	99.38	825	2	0.00	56360	99.82
724	46	0.08	55292	97.93	771	10	0.02	56125	99.40	826	1	0.00	56361	99.82
725	34	0.06	55326	97.99	772	9	0.02	56134	99.42	833	2	0.00	56363	99.82
726	41	0.07	55367	98.06	773	7	0.01	56141	99.43	834	4	0.01	56367	99.83
727	28	0.05	55395	98.11	774	5	0.01	56146	99.44	835	2	0.00	56369	99.83
728	19	0.03	55414	98.14	775	4	0.01	56150	99.45	839	2	0.00	56371	99.84
729	30	0.05	55444	98.20	776	5	0.01	56155	99.45	845	13	0.02	56384	99.86
730	23	0.04	55467	98.24	777	8	0.01	56163	99.47	847	6	0.01	56390	99.87
731	32	0.06	55499	98.29	778	2	0.00	56165	99.47	848	7	0.01	56397	99.88
732	22	0.04	55521	98.33	779	2	0.00	56167	99.48	850	3	0.01	56400	99.89
733	16	0.03	55537	98.36	780	5	0.01	56172	99.48	859	2	0.00	56402	99.89
734	18	0.03	55555	98.39	781	4	0.01	56176	99.49	860	13	0.02	56415	99.91
735	25	0.04	55580	98.44	782	6	0.01	56182	99.50	865	2	0.00	56417	99.92
736	16	0.03	55596	98.46	783	5	0.01	56187	99.51	869	2	0.00	56419	99.92
737	18	0.03	55614	98.50	784	1	0.00	56188	99.51	872	7	0.01	56426	99.93
738	32	0.06	55646	98.55	785	4	0.01	56192	99.52	876	3	0.01	56429	99.94
739	20	0.04	55666	98.59	786	5	0.01	56197	99.53	907	5	0.01	56434	99.95
740	19	0.03	55685	98.62	787	7	0.01	56204	99.54	950	29	0.05	56463	100.00
741	18	0.03	55703	98.65	788	7	0.01	56211	99.55					
742	36	0.06	55739	98.72	789	5	0.01	56216	99.56					
743	19	0.03	55758	98.75	790	7	0.01	56223	99.57					
744	16	0.03	55774	98.78	791	5	0.01	56228	99.58					
745	22	0.04	55796	98.82	792	16	0.03	56244	99.61					
746	19	0.03	55815	98.85	793	4	0.01	56248	99.62					
747	23	0.04	55838	98.89	794	3	0.01	56251	99.62					
748	23	0.04	55861	98.93	795	2	0.00	56253	99.63					
749	16	0.03	55877	98.96	796	7	0.01	56260	99.64					
750	13	0.02	55890	98.99	797	22	0.04	56282	99.68					
751	8	0.01	55898	99.00	798	1	0.00	56283	99.68					
752	9	0.02	55907	99.02	799	11	0.02	56294	99.70					
753	14	0.02	55921	99.04	800	4	0.01	56298	99.71					
754	9	0.02	55930	99.06	801	6	0.01	56304	99.72					
755	7	0.01	55937	99.07	802	1	0.00	56305	99.72					
756	9	0.02	55946	99.08	803	5	0.01	56310	99.73					
757	14	0.02	55960	99.11	804	5	0.01	56315	99.74					
758	13	0.02	55973	99.13	805	11	0.02	56326	99.76					
759	5	0.01	55978	99.14	806	4	0.01	56330	99.76					
760	13	0.02	55991	99.16	807	4	0.01	56334	99.77					

**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	620	1.09	620	1.09	417	20	0.04	1110	1.96	464	35	0.06	2566	4.53
371	4	0.01	624	1.10	418	16	0.03	1126	1.99	465	46	0.08	2612	4.61
372	4	0.01	628	1.11	419	16	0.03	1142	2.02	466	57	0.10	2669	4.71
373	7	0.01	635	1.12	420	23	0.04	1165	2.06	467	68	0.12	2737	4.83
374	6	0.01	641	1.13	421	16	0.03	1181	2.09	468	45	0.08	2782	4.91
375	7	0.01	648	1.14	422	29	0.05	1210	2.14	469	50	0.09	2832	5.00
376	7	0.01	655	1.16	423	18	0.03	1228	2.17	470	56	0.10	2888	5.10
377	4	0.01	659	1.16	424	27	0.05	1255	2.22	471	73	0.13	2961	5.23
378	2	0.00	661	1.17	425	25	0.04	1280	2.26	472	71	0.13	3032	5.35
379	6	0.01	667	1.18	426	17	0.03	1297	2.29	473	56	0.10	3088	5.45
380	9	0.02	676	1.19	427	24	0.04	1321	2.33	474	60	0.11	3148	5.56
381	6	0.01	682	1.20	428	20	0.04	1341	2.37	475	62	0.11	3210	5.67
382	8	0.01	690	1.22	429	26	0.05	1367	2.41	476	67	0.12	3277	5.79
383	8	0.01	698	1.23	430	26	0.05	1393	2.46	477	72	0.13	3349	5.91
384	9	0.02	707	1.25	431	19	0.03	1412	2.49	478	72	0.13	3421	6.04
385	7	0.01	714	1.26	432	39	0.07	1451	2.56	479	77	0.14	3498	6.18
386	15	0.03	729	1.29	433	24	0.04	1475	2.60	480	60	0.11	3558	6.28
387	11	0.02	740	1.31	434	26	0.05	1501	2.65	481	51	0.09	3609	6.37
388	7	0.01	747	1.32	435	31	0.05	1532	2.70	482	88	0.16	3697	6.53
389	12	0.02	759	1.34	436	30	0.05	1562	2.76	483	75	0.13	3772	6.66
390	11	0.02	770	1.36	437	22	0.04	1584	2.80	484	88	0.16	3860	6.82
391	5	0.01	775	1.37	438	28	0.05	1612	2.85	485	81	0.14	3941	6.96
392	16	0.03	791	1.40	439	30	0.05	1642	2.90	486	99	0.17	4040	7.13
393	7	0.01	798	1.41	440	28	0.05	1670	2.95	487	82	0.14	4122	7.28
394	7	0.01	805	1.42	441	34	0.06	1704	3.01	488	82	0.14	4204	7.42
395	8	0.01	813	1.44	442	23	0.04	1727	3.05	489	100	0.18	4304	7.60
396	8	0.01	821	1.45	443	33	0.06	1760	3.11	490	82	0.14	4386	7.74
397	5	0.01	826	1.46	444	20	0.04	1780	3.14	491	93	0.16	4479	7.91
398	10	0.02	836	1.48	445	30	0.05	1810	3.20	492	93	0.16	4572	8.07
399	13	0.02	849	1.50	446	46	0.08	1856	3.28	493	105	0.19	4677	8.26
400	16	0.03	865	1.53	447	37	0.07	1893	3.34	494	106	0.19	4783	8.44
401	18	0.03	883	1.56	448	34	0.06	1927	3.40	495	90	0.16	4873	8.60
402	12	0.02	895	1.58	449	34	0.06	1961	3.46	496	97	0.17	4970	8.78
403	13	0.02	908	1.60	450	39	0.07	2000	3.53	497	108	0.19	5078	8.97
404	14	0.02	922	1.63	451	52	0.09	2052	3.62	498	102	0.18	5180	9.15
405	10	0.02	932	1.65	452	26	0.05	2078	3.67	499	120	0.21	5300	9.36
406	5	0.01	937	1.65	453	35	0.06	2113	3.73	500	97	0.17	5397	9.53
407	11	0.02	948	1.67	454	41	0.07	2154	3.80	501	91	0.16	5488	9.69
408	16	0.03	964	1.70	455	37	0.07	2191	3.87	502	121	0.21	5609	9.90
409	14	0.02	978	1.73	456	43	0.08	2234	3.94	503	102	0.18	5711	10.08
410	9	0.02	987	1.74	457	37	0.07	2271	4.01	504	116	0.20	5827	10.29
411	18	0.03	1005	1.77	458	50	0.09	2321	4.10	505	131	0.23	5958	10.52
412	15	0.03	1020	1.80	459	35	0.06	2356	4.16	506	134	0.24	6092	10.76
413	15	0.03	1035	1.83	460	48	0.08	2404	4.24	507	109	0.19	6201	10.95
414	24	0.04	1059	1.87	461	39	0.07	2443	4.31	508	132	0.23	6333	11.18
415	16	0.03	1075	1.90	462	38	0.07	2481	4.38	509	141	0.25	6474	11.43
416	15	0.03	1090	1.92	463	50	0.09	2531	4.47	510	141	0.25	6615	11.68





**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	265	0.47	46043	81.29	699	71	0.13	54242	95.77	746	13	0.02	56313	99.43
653	244	0.43	46287	81.72	700	90	0.16	54332	95.93	747	22	0.04	56335	99.47
654	252	0.44	46539	82.17	701	89	0.16	54421	96.09	748	21	0.04	56356	99.50
655	241	0.43	46780	82.59	702	83	0.15	54504	96.23	749	12	0.02	56368	99.52
656	245	0.43	47025	83.03	703	76	0.13	54580	96.37	750	8	0.01	56376	99.54
657	222	0.39	47247	83.42	704	69	0.12	54649	96.49	751	7	0.01	56383	99.55
658	221	0.39	47468	83.81	705	95	0.17	54744	96.66	752	11	0.02	56394	99.57
659	233	0.41	47701	84.22	706	82	0.14	54826	96.80	753	7	0.01	56401	99.58
660	236	0.42	47937	84.64	707	69	0.12	54895	96.92	754	13	0.02	56414	99.60
661	252	0.44	48189	85.08	708	69	0.12	54964	97.04	755	10	0.02	56424	99.62
662	223	0.39	48412	85.48	709	80	0.14	55044	97.19	756	6	0.01	56430	99.63
663	214	0.38	48626	85.85	710	56	0.10	55100	97.28	757	10	0.02	56440	99.65
664	223	0.39	48849	86.25	711	55	0.10	55155	97.38	758	12	0.02	56452	99.67
665	213	0.38	49062	86.62	712	54	0.10	55209	97.48	759	9	0.02	56461	99.69
666	199	0.35	49261	86.98	713	50	0.09	55259	97.57	760	3	0.01	56464	99.69
667	211	0.37	49472	87.35	714	52	0.09	55311	97.66	761	9	0.02	56473	99.71
668	219	0.39	49691	87.73	715	50	0.09	55361	97.75	762	4	0.01	56477	99.72
669	241	0.43	49932	88.16	716	51	0.09	55412	97.84	763	6	0.01	56483	99.73
670	205	0.36	50137	88.52	717	50	0.09	55462	97.92	764	7	0.01	56490	99.74
671	198	0.35	50335	88.87	718	53	0.09	55515	98.02	765	8	0.01	56498	99.75
672	185	0.33	50520	89.20	719	48	0.08	55563	98.10	766	7	0.01	56505	99.77
673	207	0.37	50727	89.56	720	45	0.08	55608	98.18	767	6	0.01	56511	99.78
674	192	0.34	50919	89.90	721	40	0.07	55648	98.25	768	5	0.01	56516	99.78
675	183	0.32	51102	90.23	722	43	0.08	55691	98.33	769	5	0.01	56521	99.79
676	157	0.28	51259	90.50	723	39	0.07	55730	98.40	770	4	0.01	56525	99.80
677	193	0.34	51452	90.84	724	42	0.07	55772	98.47	771	6	0.01	56531	99.81
678	159	0.28	51611	91.12	725	36	0.06	55808	98.53	772	6	0.01	56537	99.82
679	141	0.25	51752	91.37	726	38	0.07	55846	98.60	773	3	0.01	56540	99.83
680	171	0.30	51923	91.68	727	31	0.05	55877	98.66	774	1	0.00	56541	99.83
681	148	0.26	52071	91.94	728	34	0.06	55911	98.72	775	6	0.01	56547	99.84
682	143	0.25	52214	92.19	729	28	0.05	55939	98.77	776	2	0.00	56549	99.84
683	141	0.25	52355	92.44	730	33	0.06	55972	98.82	777	3	0.01	56552	99.85
684	150	0.26	52505	92.70	731	19	0.03	55991	98.86	778	4	0.01	56556	99.86
685	142	0.25	52647	92.95	732	20	0.04	56011	98.89	779	3	0.01	56559	99.86
686	135	0.24	52782	93.19	733	34	0.06	56045	98.95	780	5	0.01	56564	99.87
687	131	0.23	52913	93.42	734	28	0.05	56073	99.00	781	3	0.01	56567	99.87
688	130	0.23	53043	93.65	735	21	0.04	56094	99.04	782	3	0.01	56570	99.88
689	125	0.22	53168	93.87	736	24	0.04	56118	99.08	783	5	0.01	56575	99.89
690	125	0.22	53293	94.09	737	22	0.04	56140	99.12	784	2	0.00	56577	99.89
691	113	0.20	53406	94.29	738	17	0.03	56157	99.15	785	1	0.00	56578	99.89
692	124	0.22	53530	94.51	739	15	0.03	56172	99.18	786	2	0.00	56580	99.90
693	110	0.19	53640	94.71	740	19	0.03	56191	99.21	787	5	0.01	56585	99.91
694	110	0.19	53750	94.90	741	17	0.03	56208	99.24	788	4	0.01	56589	99.91
695	85	0.15	53835	95.05	742	26	0.05	56234	99.29	789	2	0.00	56591	99.92
696	113	0.20	53948	95.25	743	14	0.02	56248	99.31	790	1	0.00	56592	99.92
697	120	0.21	54068	95.46	744	32	0.06	56280	99.37	793	2	0.00	56594	99.92
698	103	0.18	54171	95.64	745	20	0.04	56300	99.40	794	4	0.01	56598	99.93

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

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

SS	Freq	%	Cum Freq	Cum %
795	4	0.01	56602	99.94
797	4	0.01	56606	99.94
798	1	0.00	56607	99.95
800	1	0.00	56608	99.95
801	1	0.00	56609	99.95
804	3	0.01	56612	99.95
805	3	0.01	56615	99.96
807	3	0.01	56618	99.96
811	2	0.00	56620	99.97
813	2	0.00	56622	99.97
816	1	0.00	56623	99.97
821	1	0.00	56624	99.98
822	1	0.00	56625	99.98
825	1	0.00	56626	99.98
830	3	0.01	56629	99.98
835	1	0.00	56630	99.99
837	1	0.00	56631	99.99
841	1	0.00	56632	99.99
844	1	0.00	56633	99.99
849	2	0.00	56635	99.99
874	3	0.01	56638	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	752	1.33	752	1.33	347	28	0.05	1548	2.74	394	85	0.15	4131	7.30
301	9	0.02	761	1.35	348	27	0.05	1575	2.78	395	82	0.14	4213	7.45
302	8	0.01	769	1.36	349	30	0.05	1605	2.84	396	102	0.18	4315	7.63
303	11	0.02	780	1.38	350	37	0.07	1642	2.90	397	88	0.16	4403	7.78
304	13	0.02	793	1.40	351	30	0.05	1672	2.96	398	97	0.17	4500	7.95
305	7	0.01	800	1.41	352	35	0.06	1707	3.02	399	110	0.19	4610	8.15
306	12	0.02	812	1.44	353	38	0.07	1745	3.08	400	110	0.19	4720	8.34
307	11	0.02	823	1.45	354	43	0.08	1788	3.16	401	98	0.17	4818	8.52
308	11	0.02	834	1.47	355	34	0.06	1822	3.22	402	108	0.19	4926	8.71
309	7	0.01	841	1.49	356	27	0.05	1849	3.27	403	123	0.22	5049	8.92
310	6	0.01	847	1.50	357	28	0.05	1877	3.32	404	117	0.21	5166	9.13
311	14	0.02	861	1.52	358	51	0.09	1928	3.41	405	92	0.16	5258	9.29
312	8	0.01	869	1.54	359	33	0.06	1961	3.47	406	115	0.20	5373	9.50
313	14	0.02	883	1.56	360	42	0.07	2003	3.54	407	112	0.20	5485	9.69
314	15	0.03	898	1.59	361	42	0.07	2045	3.61	408	93	0.16	5578	9.86
315	9	0.02	907	1.60	362	46	0.08	2091	3.70	409	129	0.23	5707	10.09
316	11	0.02	918	1.62	363	46	0.08	2137	3.78	410	101	0.18	5808	10.27
317	14	0.02	932	1.65	364	38	0.07	2175	3.84	411	123	0.22	5931	10.48
318	15	0.03	947	1.67	365	42	0.07	2217	3.92	412	115	0.20	6046	10.69
319	16	0.03	963	1.70	366	44	0.08	2261	4.00	413	127	0.22	6173	10.91
320	6	0.01	969	1.71	367	59	0.10	2320	4.10	414	115	0.20	6288	11.11
321	14	0.02	983	1.74	368	44	0.08	2364	4.18	415	108	0.19	6396	11.31
322	12	0.02	995	1.76	369	47	0.08	2411	4.26	416	146	0.26	6542	11.56
323	15	0.03	1010	1.79	370	57	0.10	2468	4.36	417	113	0.20	6655	11.76
324	16	0.03	1026	1.81	371	56	0.10	2524	4.46	418	151	0.27	6806	12.03
325	16	0.03	1042	1.84	372	54	0.10	2578	4.56	419	135	0.24	6941	12.27
326	15	0.03	1057	1.87	373	52	0.09	2630	4.65	420	133	0.24	7074	12.50
327	18	0.03	1075	1.90	374	71	0.13	2701	4.77	421	146	0.26	7220	12.76
328	23	0.04	1098	1.94	375	55	0.10	2756	4.87	422	153	0.27	7373	13.03
329	11	0.02	1109	1.96	376	41	0.07	2797	4.94	423	155	0.27	7528	13.31
330	21	0.04	1130	2.00	377	56	0.10	2853	5.04	424	144	0.25	7672	13.56
331	18	0.03	1148	2.03	378	67	0.12	2920	5.16	425	157	0.28	7829	13.84
332	20	0.04	1168	2.06	379	70	0.12	2990	5.28	426	153	0.27	7982	14.11
333	14	0.02	1182	2.09	380	55	0.10	3045	5.38	427	150	0.27	8132	14.37
334	20	0.04	1202	2.12	381	67	0.12	3112	5.50	428	161	0.28	8293	14.66
335	31	0.05	1233	2.18	382	57	0.10	3169	5.60	429	171	0.30	8464	14.96
336	20	0.04	1253	2.21	383	64	0.11	3233	5.71	430	174	0.31	8638	15.27
337	27	0.05	1280	2.26	384	65	0.11	3298	5.83	431	164	0.29	8802	15.56
338	28	0.05	1308	2.31	385	70	0.12	3368	5.95	432	175	0.31	8977	15.87
339	29	0.05	1337	2.36	386	83	0.15	3451	6.10	433	166	0.29	9143	16.16
340	25	0.04	1362	2.41	387	84	0.15	3535	6.25	434	169	0.30	9312	16.46
341	11	0.02	1373	2.43	388	70	0.12	3605	6.37	435	198	0.35	9510	16.81
342	29	0.05	1402	2.48	389	83	0.15	3688	6.52	436	163	0.29	9673	17.10
343	33	0.06	1435	2.54	390	88	0.16	3776	6.67	437	177	0.31	9850	17.41
344	34	0.06	1469	2.60	391	92	0.16	3868	6.84	438	173	0.31	10023	17.72
345	22	0.04	1491	2.64	392	94	0.17	3962	7.00	439	177	0.31	10200	18.03
346	29	0.05	1520	2.69	393	84	0.15	4046	7.15	440	210	0.37	10410	18.40



**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 %
582	155	0.27	53087	93.83	629	16	0.03	56303	99.52
583	153	0.27	53240	94.10	630	19	0.03	56322	99.55
584	148	0.26	53388	94.37	631	15	0.03	56337	99.58
585	134	0.24	53522	94.60	632	13	0.02	56350	99.60
586	119	0.21	53641	94.81	633	19	0.03	56369	99.63
587	117	0.21	53758	95.02	634	10	0.02	56379	99.65
588	137	0.24	53895	95.26	635	14	0.02	56393	99.68
589	112	0.20	54007	95.46	636	8	0.01	56401	99.69
590	125	0.22	54132	95.68	637	13	0.02	56414	99.71
591	96	0.17	54228	95.85	638	10	0.02	56424	99.73
592	107	0.19	54335	96.04	639	9	0.02	56433	99.75
593	109	0.19	54444	96.23	640	14	0.02	56447	99.77
594	85	0.15	54529	96.38	641	9	0.02	56456	99.79
595	95	0.17	54624	96.55	642	11	0.02	56467	99.81
596	105	0.19	54729	96.74	643	5	0.01	56472	99.82
597	103	0.18	54832	96.92	644	8	0.01	56480	99.83
598	92	0.16	54924	97.08	645	3	0.01	56483	99.84
599	83	0.15	55007	97.23	646	9	0.02	56492	99.85
600	74	0.13	55081	97.36	647	5	0.01	56497	99.86
601	69	0.12	55150	97.48	648	7	0.01	56504	99.87
602	81	0.14	55231	97.62	649	9	0.02	56513	99.89
603	74	0.13	55305	97.75	650	4	0.01	56517	99.90
604	74	0.13	55379	97.88	651	4	0.01	56521	99.90
605	52	0.09	55431	97.98	652	3	0.01	56524	99.91
606	72	0.13	55503	98.10	653	3	0.01	56527	99.91
607	71	0.13	55574	98.23	654	5	0.01	56532	99.92
608	62	0.11	55636	98.34	655	5	0.01	56537	99.93
609	51	0.09	55687	98.43	656	1	0.00	56538	99.93
610	57	0.10	55744	98.53	657	5	0.01	56543	99.94
611	49	0.09	55793	98.62	658	4	0.01	56547	99.95
612	35	0.06	55828	98.68	659	1	0.00	56548	99.95
613	45	0.08	55873	98.76	660	4	0.01	56552	99.96
614	34	0.06	55907	98.82	662	1	0.00	56553	99.96
615	41	0.07	55948	98.89	663	1	0.00	56554	99.96
616	30	0.05	55978	98.94	664	3	0.01	56557	99.97
617	41	0.07	56019	99.02	665	2	0.00	56559	99.97
618	35	0.06	56054	99.08	666	2	0.00	56561	99.97
619	26	0.05	56080	99.12	667	3	0.01	56564	99.98
620	27	0.05	56107	99.17	668	1	0.00	56565	99.98
621	27	0.05	56134	99.22	669	1	0.00	56566	99.98
622	26	0.05	56160	99.26	670	3	0.01	56569	99.99
623	30	0.05	56190	99.32	674	1	0.00	56570	99.99
624	27	0.05	56217	99.37	681	2	0.00	56572	99.99
625	13	0.02	56230	99.39	682	1	0.00	56573	99.99
626	20	0.04	56250	99.42	689	1	0.00	56574	100.00
627	21	0.04	56271	99.46	693	2	0.00	56576	100.00
628	16	0.03	56287	99.49					

**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	559.2	557.9	550.4	585.7	559.2
SD	77.72	87.88	110.35	134.67	77.72
N	61483	61483	61483	61483	61483
CS 1		0.926	0.813	0.766	1.000
SA 1/4			0.690	0.628	0.926
SA 2				0.588	0.813
SA 3					0.766

**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	521.5	521.8	522.0	520.5	521.5
SD	50.37	58.91	64.15	77.93	50.37
N	1192	1192	1192	1192	1192
CS 1		0.909	0.815	0.776	1.000
SA 1/4			0.652	0.622	0.909
SA 2				0.587	0.815
SA 3					0.776

**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	586.3	583.4	591.3	585.6	585.5	583.5	612.4	585.4
SD	69.08	102.91	102.20	82.73	70.72	93.93	143.57	63.42
N	62331	62331	62331	62331	62331	62331	62331	62331
CS 1		0.736	0.697	0.740	0.885	0.818	0.724	0.942
CS 4			0.602	0.669	0.772	0.815	0.530	0.817
CS 5				0.619	0.678	0.625	0.549	0.791
CS 6					0.861	0.683	0.573	0.833
SA 1/4						0.747	0.590	0.928
SA 2							0.548	0.846
SA 3								0.698

**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	533.9	524.4	528.1	529.8	524.1	538.2	556.7	531.7
SD	35.76	53.07	55.97	47.92	39.41	33.35	83.54	32.71
N	125	125	125	125	125	125	125	125
CS 1		0.595	0.657	0.619	0.890	0.807	0.683	0.939
CS 4			0.456	0.549	0.721	0.681	0.409	0.716
CS 5				0.537	0.643	0.614	0.495	0.788
CS 6					0.782	0.599	0.505	0.752
SA 1/4						0.714	0.560	0.936
SA 2							0.549	0.855
SA 3								0.663

**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	612.4	613.6	604.7	606.1	610.3	610.5	642.1	610.2
SD	78.93	92.97	103.87	90.64	80.58	79.16	153.50	67.70
N	61724	61724	61724	61724	61724	61724	61724	61724
CS 1		0.712	0.709	0.724	0.804	0.845	0.759	0.914
CS 4			0.649	0.671	0.764	0.826	0.570	0.835
CS 5				0.659	0.686	0.713	0.563	0.817
CS 6					0.832	0.789	0.560	0.842
SA 1/4						0.754	0.590	0.878
SA 2							0.603	0.921
SA 3								0.715

**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	626.6	633.6	629.1	624.6	626.1	627.0	663.4	626.2
SD	71.42	92.98	95.24	83.51	71.69	83.37	148.75	65.17
N	60359	60359	60359	60359	60359	60359	60359	60359
CS 1		0.716	0.720	0.747	0.861	0.812	0.763	0.924
CS 4			0.640	0.675	0.774	0.809	0.560	0.822
CS 5				0.686	0.715	0.697	0.558	0.832
CS 6					0.894	0.754	0.559	0.867
SA 1/4						0.759	0.610	0.930
SA 2							0.576	0.874
SA 3								0.714



**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	640.3	642.4	647.0	639.8	641.2	636.2	668.6	640.0	640.1
SD	75.88	82.00	90.52	82.92	76.58	102.02	141.88	93.86	65.33
N	59402	59402	59402	59402	59402	59402	59402	59402	59402
CS 1		0.753	0.721	0.752	0.845	0.802	0.750	0.674	0.928
CS 4			0.663	0.719	0.818	0.750	0.605	0.700	0.867
CS 5				0.678	0.702	0.636	0.557	0.613	0.829
CS 6					0.842	0.661	0.579	0.827	0.868
SA 1						0.683	0.603	0.659	0.907
SA 2							0.560	0.598	0.816
SA 3								0.529	0.723
SA 4									0.783

**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	654.8	655.5	654.1	652.5	653.9	655.0	663.3	654.6	652.4
SD	70.52	74.48	82.58	74.25	72.42	81.75	91.88	92.23	58.75
N	58026	58026	58026	58026	58026	58026	58026	58026	58026
CS 1		0.726	0.723	0.716	0.748	0.810	0.831	0.655	0.906
CS 4			0.666	0.727	0.797	0.760	0.602	0.749	0.866
CS 5				0.652	0.657	0.665	0.629	0.596	0.834
CS 6					0.892	0.732	0.577	0.751	0.871
SA 1						0.690	0.584	0.669	0.878
SA 2							0.596	0.615	0.851
SA 3								0.542	0.759
SA 4									0.777

**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	658.6	658.4	666.3	658.6	664.1	656.8	678.5	654.6	658.5
SD	56.59	65.30	78.02	65.75	76.99	58.81	108.15	106.62	50.19
N	58886	58886	58886	58886	58886	58886	58886	58886	58886
CS 1		0.770	0.672	0.744	0.731	0.892	0.694	0.632	0.932
CS 4			0.619	0.704	0.715	0.855	0.532	0.654	0.865
CS 5				0.609	0.567	0.646	0.530	0.529	0.779
CS 6					0.767	0.745	0.541	0.709	0.841
SA 1						0.681	0.498	0.547	0.792
SA 2							0.537	0.608	0.908
SA 3								0.473	0.673
SA 4									0.717

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

<b>Name</b>	<b>CS 1</b>	<b>CS 4</b>	<b>CS 5</b>	<b>CS 6</b>	<b>SA 1</b>	<b>SA 2</b>	<b>SA 3</b>	<b>SA 4</b>	<b>Total</b>
Mean	679.3	679.0	683.4	679.4	679.6	675.5	692.9	681.1	679.4
SD	61.75	68.15	75.51	72.25	66.63	75.89	102.45	84.81	54.31
N	56463	56463	56463	56463	56463	56463	56463	56463	56463
CS 1		0.755	0.710	0.772	0.831	0.837	0.730	0.685	0.927
CS 4			0.669	0.712	0.784	0.801	0.581	0.711	0.860
CS 5				0.641	0.654	0.648	0.604	0.606	0.813
CS 6					0.879	0.729	0.543	0.734	0.867
SA 1						0.748	0.552	0.637	0.892
SA 2							0.532	0.617	0.857
SA 3								0.543	0.706
SA 4									0.768

**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	468.9	480.0	470.3	492.5	505.0	466.8
SD	62.86	79.79	64.94	99.15	113.86	53.95
N	61655	61655	61655	61655	61655	61655
CS 2		0.627	0.956	0.569	0.568	0.902
CS 3			0.614	0.836	0.773	0.837
SA 5				0.540	0.555	0.876
SA 7					0.523	0.746
SA 8						0.734

**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	524.8	514.7	541.0	514.8	526.2	517.0
SD	78.24	85.70	95.19	93.69	126.94	74.37
N	1222	1222	1222	1222	1222	1222
CS 2		0.796	0.891	0.725	0.647	0.943
CS 3			0.692	0.926	0.832	0.944
SA 5				0.586	0.571	0.833
SA 7					0.632	0.868
SA 8						0.786

**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	491.4	501.0	492.4	497.5	507.0	534.5	491.3
SD	55.97	73.25	64.44	81.12	84.01	131.43	52.42
N	62308	62308	62308	62308	62308	62308	62308
CS 2		0.673	0.892	0.788	0.615	0.549	0.945
CS 3			0.626	0.471	0.904	0.712	0.838
SA 5				0.519	0.573	0.519	0.848
SA 6					0.404	0.381	0.726
SA 7						0.491	0.773
SA 8							0.674

**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	497.6	514.6	503.5	495.7	515.3	495.8	507.9
SD	55.19	38.30	61.40	97.03	62.87	79.54	41.22
N	122	122	122	122	122	122	122
CS 2		0.619	0.853	0.772	0.377	0.421	0.872
CS 3			0.519	0.475	0.776	0.509	0.914
SA 5				0.437	0.322	0.470	0.738
SA 6					0.227	0.198	0.666
SA 7						0.258	0.650
SA 8							0.546

**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	511.7	519.7	512.7	533.2	525.4	542.4	511.0
SD	60.02	75.56	67.33	113.12	87.97	123.19	55.56
N	61706	61706	61706	61706	61706	61706	61706
CS 2		0.681	0.893	0.748	0.675	0.563	0.944
CS 3			0.617	0.460	0.839	0.782	0.849
SA 5				0.508	0.587	0.510	0.846
SA 6					0.408	0.384	0.683
SA 7						0.521	0.794
SA 8							0.707

**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	530.6	534.2	532.5	549.3	535.4	553.7	529.0
SD	67.24	75.04	76.19	120.14	84.79	122.07	61.15
N	60358	60358	60358	60358	60358	60358	60358
CS 2		0.721	0.898	0.752	0.694	0.617	0.938
CS 3			0.655	0.480	0.929	0.727	0.895
SA 5				0.518	0.623	0.530	0.845
SA 6					0.438	0.388	0.674
SA 7						0.580	0.849
SA 8							0.719

**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	555.0	556.6	554.3	572.9	560.7	559.2	553.5
SD	73.64	77.97	84.27	130.30	93.32	99.30	67.22
N	59414	59414	59414	59414	59414	59414	59414
CS 2		0.739	0.871	0.746	0.709	0.658	0.926
CS 3			0.633	0.485	0.910	0.832	0.926
SA 5				0.518	0.588	0.548	0.800
SA 6					0.433	0.413	0.651
SA 7						0.659	0.865
SA 8							0.797

**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	564.7	571.2	564.6	582.8	577.0	588.5	564.1
SD	80.44	89.96	91.09	136.45	105.21	138.65	72.32
N	58016	58016	58016	58016	58016	58016	58016
CS 2		0.687	0.885	0.740	0.640	0.626	0.924
CS 3			0.607	0.424	0.914	0.786	0.884
SA 5				0.504	0.562	0.526	0.811
SA 6					0.380	0.369	0.640
SA 7						0.597	0.822
SA 8							0.759

**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	570.2	573.0	571.5	594.7	580.9	576.8	568.3
SD	87.44	91.71	96.22	153.30	121.15	109.76	79.37
N	58931	58931	58931	58931	58931	58931	58931
CS 2		0.751	0.915	0.751	0.683	0.714	0.933
CS 3			0.703	0.487	0.885	0.872	0.922
SA 5				0.533	0.634	0.644	0.861
SA 6					0.425	0.447	0.657
SA 7						0.670	0.833
SA 8							0.836

**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	574.5	585.4	575.7	591.7	603.3	583.7	574.0
SD	79.75	100.91	87.32	130.74	137.10	156.52	73.70
N	56463	56463	56463	56463	56463	56463	56463
CS 2		0.671	0.918	0.803	0.593	0.531	0.937
CS 3			0.660	0.476	0.857	0.738	0.845
SA 5				0.550	0.588	0.514	0.882
SA 6					0.406	0.392	0.724
SA 7						0.507	0.753
SA 8							0.652

**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	453.6	468.2	463.9	464.7	460.0
SD	123.67	113.91	101.88	109.82	88.76
N	62868	62868	62868	62868	62868
CS 1		0.676	0.691	0.650	0.831
CS 2/3			0.720	0.689	0.879
CS 4/5				0.700	0.903
CS 6					0.848

**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	495.8	513.9	501.1	498.6	499.7	494.1	521.3	514.4	492.2
SD	94.24	132.72	118.91	95.04	104.65	88.83	144.21	124.82	78.83
N	62511	62511	62511	62511	62511	62511	62511	62511	62511
CS 1		0.689	0.694	0.748	0.737	0.940	0.658	0.667	0.902
CS 2			0.632	0.673	0.664	0.713	0.929	0.605	0.806
CS 3				0.694	0.664	0.715	0.605	0.614	0.822
CS 4/5					0.714	0.772	0.643	0.871	0.892
CS 6						0.850	0.637	0.637	0.866
SA 1							0.681	0.689	0.931
SA 2								0.576	0.769
SA 3									0.788

**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	527.7	525.7	522.9	521.6	539.5	531.0	542.6	535.6	521.3
SD	97.90	110.76	94.99	98.62	116.88	104.21	137.72	124.24	79.50
N	61803	61803	61803	61803	61803	61803	61803	61803	61803
CS 1		0.735	0.733	0.718	0.692	0.918	0.679	0.607	0.885
CS 2			0.730	0.717	0.683	0.722	0.887	0.612	0.873
CS 3				0.735	0.688	0.727	0.676	0.810	0.883
CS 4/5					0.662	0.709	0.662	0.608	0.873
CS 6						0.726	0.644	0.569	0.823
SA 1							0.669	0.602	0.870
SA 2								0.567	0.805
SA 3									0.728

**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	535.5	541.6	540.1	536.3	549.5	536.4	544.0	527.9	539.1
SD	105.54	97.89	96.82	91.11	116.64	107.94	105.20	118.16	77.37
N	60415	60415	60415	60415	60415	60415	60415	60415	60415
CS 1		0.694	0.701	0.733	0.644	0.947	0.664	0.669	0.861
CS 2			0.706	0.730	0.654	0.689	0.953	0.665	0.861
CS 3				0.740	0.655	0.697	0.677	0.676	0.867
CS 4/5					0.674	0.726	0.698	0.910	0.900
CS 6						0.689	0.629	0.610	0.804
SA 1							0.660	0.665	0.853
SA 2								0.637	0.824
SA 3									0.819

**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	560.3	557.2	548.6	555.0	563.7	552.5	559.5
SD	85.78	94.79	108.61	94.52	103.18	107.62	75.47
N	59477	59477	59477	59477	59477	59477	59477
CS 1/6		0.745	0.742	0.762	0.902	0.730	0.925
CS 2			0.685	0.712	0.679	0.677	0.862
CS 3				0.700	0.676	0.663	0.840
CS 4/5					0.699	0.920	0.880
SA 1						0.675	0.841
SA 2							0.836

**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	572.2	577.2	573.0	570.4	580.4	561.7	568.9	575.5
SD	82.74	85.19	95.52	85.02	98.57	104.71	92.03	67.34
N	58065	58065	58065	58065	58065	58065	58065	58065
CS 1/6		0.739	0.731	0.728	0.687	0.797	0.691	0.899
CS 2			0.712	0.719	0.921	0.647	0.685	0.889
CS 3				0.699	0.660	0.641	0.664	0.852
CS 4/5					0.668	0.665	0.952	0.867
SA 1						0.599	0.637	0.825
SA 2							0.598	0.777
SA 3								0.825



**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	560.6	577.1	572.2	571.6	577.6	553.2	576.0
SD	103.66	81.37	85.66	84.24	81.14	113.89	71.94
N	59023	59023	59023	59023	59023	59023	59023
CS 1/6		0.672	0.655	0.664	0.691	0.730	0.768
CS 2			0.784	0.775	0.922	0.667	0.928
CS 3				0.760	0.812	0.652	0.905
CS 4/5					0.791	0.739	0.895
SA 1						0.657	0.923
SA 2							0.761

**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	579.3	589.6	590.7	587.4	591.1	563.9	591.9
SD	97.75	83.89	79.43	85.34	76.00	125.11	69.84
N	56638	56638	56638	56638	56638	56638	56638
CS 1/6		0.676	0.645	0.675	0.721	0.468	0.784
CS 2			0.747	0.762	0.898	0.513	0.903
CS 3				0.743	0.830	0.668	0.889
CS 4/5					0.835	0.518	0.897
SA 1						0.533	0.942
SA 2							0.600

**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	496.6	496.1	498.4	496.6	504.6	496.9	496.1
SD	72.84	80.55	82.60	83.30	98.55	83.15	67.19
N	61786	61786	61786	61786	61786	61786	61786
CS 1/5		0.762	0.746	0.724	0.840	0.915	0.949
CS 2			0.683	0.683	0.636	0.699	0.863
CS 3				0.677	0.624	0.679	0.849
CS 4					0.608	0.660	0.842
SA 1						0.650	0.792
SA 2							0.868

**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	499.7	498.0	499.2	493.4	498.8	505.8	499.7	497.4	491.8	499.5
SD	67.74	78.09	73.89	81.41	77.21	89.24	90.07	90.17	88.58	62.60
N	57958	57958	57958	57958	57958	57958	57958	57958	57958	57958
CS 1/5		0.746	0.768	0.706	0.924	0.863	0.673	0.617	0.650	0.952
CS 2			0.698	0.669	0.698	0.636	0.900	0.583	0.617	0.856
CS 3				0.674	0.712	0.661	0.634	0.822	0.617	0.868
CS 4					0.662	0.600	0.613	0.565	0.892	0.814
SA 1						0.685	0.631	0.574	0.608	0.882
SA 2							0.572	0.534	0.555	0.814
SA 3								0.533	0.567	0.775
SA 5									0.518	0.709
SA 6										0.746

**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	496.5	488.4	490.3	494.1	496.4	500.7	484.8	487.4	495.3	496.1
SD	68.48	82.33	82.09	78.88	75.08	82.78	88.09	87.59	80.72	64.49
N	56576	56576	56576	56576	56576	56576	56576	56576	56576	56576
CS 1/5		0.730	0.713	0.749	0.931	0.881	0.659	0.671	0.735	0.951
CS 2			0.620	0.663	0.677	0.653	0.891	0.591	0.649	0.819
CS 3				0.671	0.665	0.631	0.558	0.920	0.656	0.813
CS 4					0.695	0.664	0.575	0.632	0.978	0.858
SA 1						0.708	0.609	0.626	0.682	0.884
SA 2							0.595	0.594	0.653	0.838
SA 4								0.534	0.564	0.736
SA 5									0.619	0.766
SA 6										0.841

**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	0.85			0.78	0.76	0.74	0.94
	5	0.84			0.77	0.70	0.71	0.93
	6	0.85			0.73	0.72	0.72	0.93
	7	0.84			0.79	0.76	0.70	0.93
	8	0.83			0.75	0.75	0.77	0.93
	9	0.83			0.75	0.76	0.72	0.93
	10	0.83			0.78	0.77	0.77	0.94
Writing	3		0.81	0.90				0.93
	4		0.81	0.85				0.90
	5		0.82	0.86				0.91
	6		0.84	0.86				0.91
	7		0.82	0.85				0.91
	8		0.78	0.85				0.90
	9		0.83	0.88				0.92
	10		0.83	0.87				0.92
Mathematics	3	0.65	0.77		0.76		0.64	0.91
	4	0.78	0.72	0.77	0.81		0.79	0.94
	5	0.77	0.75	0.74	0.76		0.80	0.94
	6	0.80	0.70	0.75	0.79		0.76	0.94
	7	0.84	0.71	0.68	0.82			0.93
	8	0.82	0.80	0.71	0.80			0.94
	9	0.71	0.79	0.78	0.76			0.93
	10	0.75	0.81	0.72	0.80			0.93
Science	5	0.86	0.68	0.70	0.71			0.93
	8	0.86	0.74	0.67	0.70			0.93
	10	0.83	0.70	0.70	0.70			0.92
Reading Spanish	3	0.88						0.88
	4	0.81			0.63	0.59	0.55	0.90
Writing Spanish	3		0.83	0.87				0.92
	4		0.73	0.78				0.85

**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	0.78	0.73	0.72					
	4	0.86	0.81	0.71					
	5	0.79	0.86	0.67					
	6	0.83	0.78	0.73					
	7	0.82	0.76	0.71	0.62				
	8	0.80	0.79	0.70	0.62				
	9	0.72	0.84	0.67	0.64				
	10	0.83	0.81	0.71	0.62				
Writing	3					0.81		0.80	0.81
	4					0.71	0.73	0.81	0.61
	5					0.69	0.70	0.82	0.73
	6					0.73	0.71	0.82	0.71
	7					0.67	0.72	0.83	0.69
	8					0.62	0.70	0.81	0.74
	9					0.73	0.72	0.86	0.76
	10					0.77	0.75	0.88	0.45
Mathematics	3								
	4	0.82	0.63	0.65					
	5	0.77	0.72	0.49					
	6	0.77	0.66	0.72					
	7	0.69	0.74						
	8	0.69	0.62	0.75					
	9	0.77	0.69						
	10	0.82	0.39						
Science	5	0.71	0.74						
	8	0.73	0.76	0.62		0.49	0.59		
	10	0.70	0.67		0.62	0.64	0.67		
Reading Spanish	3	0.80	0.65	0.68					
	4	0.82	0.65	0.56					
Writing Spanish	3					0.86		0.81	0.74
	4					0.58	0.76	0.73	0.62

**Table 223. Subgroup Reliability for the CSAP Reading Tests**

Grade	Subgroup	N	Mean	SD	Loss	Hoss	Min	Max	Alpha	SEM
3	No Disability	56000	568.19	67.53	150	795	150	795	0.88	23.80
	Disability	5479	466.87	108.70	150	795	150	781	0.89	36.01
	No IEP	55999	568.17	67.56	150	795	150	795	0.88	23.81
	IEP	5476	466.98	108.70	150	795	150	781	0.89	35.98
	No Accommodation	51301	573.17	65.40	150	795	150	795	0.87	23.59
	Accommodation	10132	488.25	94.44	150	795	150	795	0.88	33.44
	Am. Indian/AK Native	483	529.04	81.17	150	795	150	686	0.88	28.03
	Asian	2062	570.65	83.64	150	795	150	795	0.90	26.79
	Black	2879	527.88	82.19	150	795	150	795	0.88	28.29
	Hispanic	19435	527.05	80.35	150	795	150	795	0.88	27.86
	White	34599	579.02	68.18	150	795	150	795	0.88	24.14
	Hawaiian/Pacific Islander	115	559.01	74.27	150	795	150	701	0.87	26.89
	Two or More Races	1904	568.49	72.33	150	795	150	793	0.88	25.15
	Not Free Lunch Eligible	34693	583.98	64.42	150	795	150	795	0.87	23.51
	Free Lunch Eligible	22313	523.04	82.40	150	795	150	795	0.88	28.71
	Reduced Lunch Eligible	4450	546.78	74.11	150	795	150	795	0.87	26.30
	Female	30030	567.56	73.13	150	795	150	795	0.89	24.69
	Male	31443	551.15	81.04	150	795	150	795	0.89	26.39
	Language Proficiency NA	50267	569.52	72.21	150	795	150	795	0.88	24.72
	Language Proficiency NEP	2083	420.35	105.60	150	795	150	739	0.81	46.38
	Language Proficiency LEP	7599	522.76	57.56	150	795	150	707	0.82	24.77
	Language Proficiency FEP	1528	588.65	50.37	150	795	150	795	0.81	22.07
4	Not Migrant Or Immigrant	60528	559.96	76.99	150	795	150	795	0.89	25.49
	Migrant	222	504.95	84.60	150	795	150	795	0.86	31.55
	Immigrant	690	511.05	108.00	150	795	150	750	0.91	32.01
	Migrant and Immigrant	34	468.68	106.50	150	795	150	620	0.87	38.19
	No Disability	56390	593.76	53.55	180	940	180	871	0.93	14.37
	Disability	5937	505.67	89.29	180	940	180	705	0.94	22.68
	No IEP	56380	593.76	53.55	180	940	180	871	0.93	14.37
	IEP	5935	505.64	89.29	180	940	180	705	0.94	22.68
	No Accommodation	50848	598.05	52.39	180	940	180	871	0.92	14.45
	Accommodation	11446	529.09	76.29	180	940	180	790	0.93	19.77
	Am. Indian/AK Native	551	564.85	68.04	180	940	180	780	0.94	16.89
	Asian/Pacific Islander	1975	594.46	68.85	180	940	180	839	0.94	16.35
	Black	2919	555.76	68.72	180	940	180	725	0.94	17.22
	Hispanic	20250	558.16	64.65	180	940	180	756	0.93	16.63
	White	34548	603.00	54.96	180	940	180	871	0.93	14.98
	Hawaiian/Pacific Islander	118	578.80	86.29	180	940	180	723	0.95	19.62
	Two or More Races	1964	596.95	56.34	180	940	180	757	0.93	14.50
	Not Free Lunch Eligible	34796	606.78	52.55	180	940	180	871	0.92	14.69
	Free Lunch Eligible	22829	554.31	66.10	180	940	180	757	0.93	17.14
	Reduced Lunch Eligible	4686	577.85	59.27	180	940	180	780	0.93	15.78
	Female	30686	592.36	58.47	180	940	180	871	0.94	14.83
	Male	31643	578.59	67.19	180	940	180	794	0.94	16.28
	Language Proficiency NA	50309	594.60	58.61	180	940	180	871	0.93	15.18
	Language Proficiency NEP	1914	463.42	86.52	180	940	180	676	0.88	30.46
	Language Proficiency LEP	7529	547.58	44.67	180	940	180	682	0.89	14.67
	Language Proficiency FEP	2573	606.21	39.04	180	940	180	761	0.86	14.45
	Not Migrant Or Immigrant	61508	586.05	62.86	180	940	180	871	0.94	15.57
	Migrant	202	537.92	63.68	180	940	180	658	0.92	17.73
	Immigrant	582	532.76	88.25	180	940	180	748	0.95	19.69
	Migrant and Immigrant	23	515.48	73.68	180	940	349	608	0.94	18.68

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

Grade	Subgroup	N	Mean	SD	Loss	Hoss	Min	Max	Alpha	SEM
5	No Disability	55743	619.42	57.58	220	955	220	836	0.92	16.60
	Disability	5980	523.98	90.44	220	955	220	756	0.93	24.25
	No IEP	55732	619.42	57.59	220	955	220	836	0.92	16.60
	IEP	5976	523.97	90.46	220	955	220	756	0.93	24.25
	No Accommodation	50524	623.25	56.41	220	955	220	836	0.91	16.63
	Accommodation	11170	551.07	81.53	220	955	220	765	0.93	21.51
	Am. Indian/AK Native	519	586.57	73.16	220	955	220	748	0.94	18.70
	Asian	1902	623.38	71.25	220	955	220	817	0.93	18.31
	Black	2985	580.02	69.95	220	955	220	759	0.93	18.81
	Hispanic	20064	580.91	68.40	220	955	220	786	0.93	18.72
	White	34285	629.03	59.44	220	955	220	836	0.92	17.32
	Hawaiian/Pacific Islander	143	599.03	71.99	220	955	220	710	0.93	19.23
	Two or More Races	1824	620.93	62.77	220	955	220	791	0.93	17.06
	Not Free Lunch Eligible	34751	633.04	56.56	220	955	220	836	0.91	16.94
	Free Lunch Eligible	22306	576.32	69.75	220	955	220	793	0.93	19.15
	Reduced Lunch Eligible	4646	601.73	64.02	220	955	220	769	0.92	18.23
	Female	30144	616.47	62.66	220	955	220	834	0.93	17.06
	Male	31578	604.17	71.67	220	955	220	836	0.93	18.49
	Language Proficiency NA	50151	619.85	62.98	220	955	220	836	0.92	17.46
	Language Proficiency NEP	1295	470.86	91.60	220	955	220	674	0.87	32.73
	Language Proficiency LEP	6795	559.23	52.49	220	955	220	751	0.88	18.03
	Language Proficiency FEP	3480	622.03	42.96	220	955	220	817	0.86	16.14
	Not Migrant Or Immigrant	60899	611.09	66.84	220	955	220	836	0.93	17.76
	Migrant	251	556.79	72.26	220	955	220	694	0.92	20.20
	Immigrant	521	534.79	102.10	220	955	220	766	0.94	24.32
	Migrant and Immigrant	34	538.74	59.07	220	955	424	662	0.91	17.77
6	No Disability	54541	634.99	56.59	260	970	260	857	0.92	16.33
	Disability	5817	543.90	80.91	260	970	260	755	0.92	22.92
	No IEP	54534	634.99	56.59	260	970	260	857	0.92	16.33
	IEP	5814	543.88	80.92	260	970	260	755	0.92	22.92
	No Accommodation	51447	636.45	57.07	260	970	260	857	0.92	16.45
	Accommodation	8879	566.84	76.52	260	970	260	789	0.93	20.76
	Am. Indian/AK Native	524	601.86	67.03	260	970	260	763	0.93	18.03
	Asian/Pacific Islander	1805	636.41	73.96	260	970	260	831	0.94	18.28
	Black	3040	590.70	70.83	260	970	260	781	0.93	18.93
	Hispanic	19249	598.33	64.54	260	970	260	825	0.92	18.05
	White	33860	644.54	57.26	260	970	260	857	0.92	16.57
	Hawaiian/Pacific Islander	137	613.38	77.30	260	970	260	750	0.94	19.50
	Two or More Races	1743	637.68	58.27	260	970	260	791	0.92	16.45
	Not Free Lunch Eligible	34865	647.56	55.60	260	970	260	857	0.91	16.40
	Free Lunch Eligible	20938	593.18	66.38	260	970	260	790	0.92	18.59
	Reduced Lunch Eligible	4538	614.60	61.02	260	970	260	803	0.92	17.39
	Female	29572	634.27	60.79	260	970	260	852	0.93	16.66
	Male	30785	618.47	68.22	260	970	260	857	0.93	17.74
	Language Proficiency NA	49770	634.82	61.28	260	970	260	857	0.93	16.82
	Language Proficiency NEP	893	485.35	96.24	260	970	260	716	0.90	31.07
	Language Proficiency LEP	5293	567.59	49.53	260	970	260	745	0.87	18.22
	Language Proficiency FEP	4402	627.94	44.18	260	970	260	827	0.88	15.65
	Not Migrant Or Immigrant	59581	627.12	64.25	260	970	260	857	0.93	17.13
	Migrant	210	566.10	78.38	260	970	260	702	0.92	22.51
	Immigrant	528	553.09	96.01	260	970	260	827	0.94	23.00
	Migrant and Immigrant	29	529.66	104.70	260	970	260	682	0.94	26.14

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

Grade	Subgroup	N	Mean	SD	Loss	Hoss	Min	Max	Alpha	SEM
7	No Disability	53902	648.41	57.90	300	980	300	938	0.92	16.26
	Disability	5499	558.28	76.61	300	980	300	829	0.92	21.28
	No IEP	53893	648.40	57.91	300	980	300	938	0.92	16.26
	IEP	5493	558.24	76.60	300	980	300	829	0.92	21.28
	No Accommodation	52654	648.72	58.42	300	980	300	938	0.92	16.36
	Accommodation	6715	572.22	76.10	300	980	300	851	0.93	20.10
	Am. Indian/AK Native	520	616.68	62.64	300	980	300	758	0.93	16.97
	Asian	1828	651.63	72.27	300	980	300	887	0.94	17.54
	Black	2983	607.39	69.42	300	980	300	823	0.93	18.19
	Hispanic	18495	610.76	64.82	300	980	300	835	0.93	17.42
	White	33769	658.14	57.70	300	980	300	938	0.92	16.41
	Hawaiian/Pacific Islander	129	631.68	64.74	300	980	354	778	0.93	17.29
	Two or More Races	1678	652.61	59.86	300	980	300	810	0.92	16.68
	Not Free Lunch Eligible	35144	660.74	56.46	300	980	300	938	0.92	16.32
	Free Lunch Eligible	19804	605.53	66.68	300	980	300	814	0.93	17.88
	Reduced Lunch Eligible	4428	630.46	56.87	300	980	300	842	0.92	16.44
	Female	29192	649.18	62.10	300	980	300	938	0.93	16.50
	Male	30208	631.26	67.14	300	980	300	890	0.94	17.17
	Language Proficiency NA	49189	648.96	60.90	300	980	300	938	0.93	16.54
	Language Proficiency NEP	724	487.94	82.44	300	980	300	709	0.89	27.24
	Language Proficiency LEP	4651	570.47	53.03	300	980	300	721	0.88	18.77
	Language Proficiency FEP	4836	639.34	45.28	300	980	300	827	0.88	15.72
	Not Migrant Or Immigrant	58626	641.05	64.38	300	980	300	938	0.93	16.79
	Migrant	228	588.43	66.79	300	980	300	750	0.92	18.56
	Immigrant	511	554.79	94.40	300	980	300	800	0.95	21.33
	Migrant and Immigrant	21	517.86	107.90	300	980	300	679	0.96	22.35
8	No Disability	52925	659.57	53.00	330	990	330	976	0.92	14.79
	Disability	5095	577.94	63.63	330	990	330	774	0.92	18.45
	No IEP	52913	659.58	52.99	330	990	330	976	0.92	14.79
	IEP	5094	577.96	63.63	330	990	330	774	0.92	18.45
	No Accommodation	51819	659.44	53.58	330	990	330	976	0.92	14.85
	Accommodation	6168	593.28	66.38	330	990	330	822	0.93	17.71
	Am. Indian/AK Native	509	633.27	55.72	330	990	340	794	0.93	14.99
	Asian/Pacific Islander	1795	666.35	66.00	330	990	330	826	0.94	15.90
	Black	2764	626.11	59.77	330	990	330	780	0.93	16.08
	Hispanic	17446	626.68	57.52	330	990	330	835	0.93	15.71
	White	33777	666.83	53.44	330	990	330	976	0.92	14.91
	Hawaiian/Pacific Islander	131	652.49	57.03	330	990	464	801	0.93	15.02
	Two or More Races	1601	664.16	56.56	330	990	330	881	0.93	15.22
	Not Free Lunch Eligible	35563	669.80	52.51	330	990	330	976	0.92	14.89
	Free Lunch Eligible	18267	621.33	57.84	330	990	330	824	0.92	15.95
	Reduced Lunch Eligible	4168	640.15	53.64	330	990	330	893	0.92	15.01
	Female	28419	662.92	55.79	330	990	330	976	0.93	14.85
	Male	29601	642.31	59.73	330	990	330	851	0.93	15.42
	Language Proficiency NA	48446	659.45	55.78	330	990	330	976	0.93	15.00
	Language Proficiency NEP	640	523.37	71.68	330	990	330	740	0.86	26.58
	Language Proficiency LEP	3631	586.39	44.44	330	990	330	762	0.85	17.03
	Language Proficiency FEP	5303	648.77	43.66	330	990	330	832	0.89	14.40
	Not Migrant Or Immigrant	57304	653.18	58.16	330	990	330	976	0.93	15.18
	Migrant	182	605.00	58.00	330	990	330	741	0.92	16.41
	Immigrant	503	585.49	74.53	330	990	330	790	0.94	18.80
	Migrant and Immigrant	18	568.89	86.07	330	990	378	687	0.95	19.84

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

Grade	Subgroup	N	Mean	SD	Loss	Hoss	Min	Max	Alpha	SEM
9	No Disability	54055	663.91	45.92	350	995	350	866	0.92	12.79
	Disability	4827	597.59	55.50	350	995	350	763	0.92	16.00
	No IEP	54040	663.91	45.92	350	995	350	866	0.92	12.79
	IEP	4829	597.55	55.48	350	995	350	763	0.92	16.00
	No Accommodation	55274	661.98	47.56	350	995	350	866	0.93	12.93
	Accommodation	3585	604.34	58.02	350	995	350	866	0.93	15.37
	Am. Indian/AK Native	494	643.37	47.66	350	995	350	766	0.93	13.02
	Asian	1810	668.75	58.98	350	995	350	827	0.94	14.01
	Black	2985	633.02	51.85	350	995	350	765	0.93	14.01
	Hispanic	17487	636.02	48.84	350	995	350	840	0.93	13.38
	White	34366	671.31	45.23	350	995	350	866	0.92	12.83
	Hawaiian/Pacific Islander	127	658.50	50.84	350	995	504	762	0.94	12.82
	Two or More Races	1610	668.61	47.71	350	995	350	818	0.93	13.04
	Not Free Lunch Eligible	37671	671.78	45.60	350	995	350	866	0.92	12.84
	Free Lunch Eligible	17249	631.52	49.52	350	995	350	834	0.92	13.71
	Reduced Lunch Eligible	3919	649.34	45.39	350	995	350	785	0.92	12.96
	Female	28870	666.10	47.96	350	995	350	866	0.93	12.90
	Male	30011	651.13	51.18	350	995	350	841	0.93	13.21
	Language Proficiency NA	49697	664.74	47.36	350	995	350	866	0.93	12.93
	Language Proficiency NEP	835	552.51	57.09	350	995	350	684	0.83	23.44
	Language Proficiency LEP	3269	601.30	37.31	350	995	350	788	0.86	13.83
	Language Proficiency FEP	5077	651.36	38.00	350	995	350	827	0.89	12.57
	Not Migrant Or Immigrant	58042	659.37	49.42	350	995	350	866	0.93	13.06
	Migrant	192	608.28	57.92	350	995	350	718	0.93	15.80
	Immigrant	606	591.28	64.05	350	995	350	781	0.93	16.68
	Migrant and Immigrant	24	591.04	37.55	350	995	527	661	0.90	12.10
10	No Disability	52033	684.75	50.50	370	999	370	874	0.93	13.27
	Disability	4425	616.52	57.90	370	999	370	786	0.92	16.41
	No IEP	52027	684.75	50.50	370	999	370	874	0.93	13.27
	IEP	4423	616.51	57.92	370	999	370	786	0.92	16.41
	No Accommodation	53531	682.54	52.06	370	999	370	874	0.93	13.40
	Accommodation	2898	621.40	61.98	370	999	370	807	0.93	15.94
	Am. Indian/AK Native	530	659.55	55.71	370	999	370	795	0.93	14.35
	Asian/Pacific Islander	1813	687.49	61.78	370	999	370	866	0.95	14.10
	Black	2852	653.18	55.40	370	999	370	828	0.93	14.56
	Hispanic	15869	656.27	53.97	370	999	370	874	0.93	14.24
	White	33799	692.04	49.45	370	999	370	871	0.93	13.15
	Hawaiian/Pacific Islander	133	674.64	60.95	370	999	370	791	0.94	15.49
	Two or More Races	1455	687.09	49.41	370	999	370	863	0.93	13.00
	Not Free Lunch Eligible	37899	691.58	49.74	370	999	370	874	0.93	13.15
	Free Lunch Eligible	15025	651.16	55.11	370	999	370	811	0.93	14.56
	Reduced Lunch Eligible	3505	668.93	50.82	370	999	370	843	0.93	13.81
	Female	27563	689.46	50.20	370	999	370	874	0.93	13.00
	Male	28894	669.81	56.31	370	999	370	864	0.94	13.90
	Language Proficiency NA	48123	685.36	51.69	370	999	370	874	0.93	13.34
	Language Proficiency NEP	764	566.40	63.78	370	999	370	707	0.82	26.84
	Language Proficiency LEP	2772	622.19	42.75	370	999	370	781	0.87	15.47
	Language Proficiency FEP	4798	670.66	42.92	370	999	370	843	0.91	13.07
	Not Migrant Or Immigrant	55689	680.30	53.57	370	999	370	874	0.94	13.50
	Migrant	169	630.17	59.09	370	999	370	759	0.92	17.22
	Immigrant	574	609.20	68.10	370	999	370	779	0.94	17.20
	Migrant and Immigrant	13	582.15	72.81	370	999	398	662	0.90	23.13



**Table 224. Subgroup Reliability for the CSAP Writing Tests**

Grade	Subgroup	N	Mean	SD	Loss	Hoss	Min	Max	Alpha	SEM
3	No Disability	56136	471.94	51.11	150	680	150	680	0.91	15.02
	Disability	5517	414.05	53.75	150	680	150	680	0.92	14.96
	No IEP	56127	471.94	51.12	150	680	150	680	0.91	15.02
	IEP	5520	414.09	53.75	150	680	150	680	0.92	14.96
	No Accommodation	50721	476.63	49.59	150	680	150	680	0.90	15.37
	Accommodation	10894	420.81	49.47	150	680	150	680	0.92	14.46
	Am. Indian/AK Native	485	443.36	52.78	150	680	150	680	0.92	14.80
	Asian	2074	476.01	63.64	150	680	150	680	0.94	15.39
	Black	2895	444.35	55.07	150	680	150	680	0.93	14.51
	Hispanic	19523	446.12	48.72	150	680	150	680	0.92	13.48
	White	34656	479.72	51.91	150	680	150	680	0.91	15.69
	Hawaiian/Pacific Islander	115	472.01	61.10	150	680	150	680	0.93	16.44
	Two or More Races	1905	472.20	49.40	150	680	150	680	0.92	14.34
	Not Free Lunch Eligible	34788	483.42	50.98	150	680	150	680	0.90	15.88
	Free Lunch Eligible	22381	442.53	49.93	150	680	150	680	0.92	13.84
	Reduced Lunch Eligible	4467	458.39	47.51	150	680	150	680	0.91	13.90
	Female	30127	474.62	53.70	150	680	150	680	0.92	15.19
	Male	31526	459.24	53.11	150	680	150	680	0.93	14.29
	Language Proficiency NA	50376	473.14	52.31	150	680	150	680	0.92	15.00
	Language Proficiency NEP	2116	384.03	60.09	150	680	150	680	0.91	18.39
	Language Proficiency LEP	7631	442.97	34.63	150	680	150	680	0.88	12.18
	Language Proficiency FEP	1528	489.72	45.07	150	680	293	680	0.86	16.76
4	Not Migrant Or Immigrant	60697	467.31	53.49	150	680	150	680	0.93	14.70
	Migrant	222	428.50	46.76	150	680	150	516	0.92	12.97
	Immigrant	693	433.78	75.32	150	680	150	680	0.95	16.38
	Migrant and Immigrant	34	413.82	61.33	150	680	150	484	0.93	16.18
	No Disability	56352	497.24	49.30	190	730	190	730	0.89	16.53
	Disability	5952	435.55	48.07	190	730	190	620	0.90	15.13
	No IEP	56342	497.25	49.29	190	730	190	730	0.89	16.53
	IEP	5950	435.51	48.05	190	730	190	620	0.90	15.13
	No Accommodation	49711	501.75	48.15	190	730	190	730	0.88	16.64
	Accommodation	12505	450.05	48.23	190	730	190	704	0.90	15.32
	Am. Indian/AK Native	549	469.78	49.84	190	730	305	624	0.91	15.39
	Asian/Pacific Islander	1971	502.76	57.49	190	730	214	730	0.92	16.35
	Black	2916	468.27	50.12	190	730	190	688	0.91	15.31
	Hispanic	20249	468.72	48.21	190	730	190	716	0.90	15.34
	White	34539	505.75	49.19	190	730	190	730	0.88	16.83
	Hawaiian/Pacific Islander	117	493.50	55.64	190	730	301	649	0.92	15.68
	Two or More Races	1961	500.28	51.68	190	730	212	730	0.89	16.81
	Not Free Lunch Eligible	34780	509.38	48.68	190	730	190	730	0.88	17.06
	Free Lunch Eligible	22828	465.42	47.65	190	730	190	711	0.90	15.16
	Reduced Lunch Eligible	4680	483.94	46.19	190	730	231	716	0.88	15.70
	Female	30670	500.02	51.85	190	730	190	730	0.90	16.74
	Male	31636	482.95	51.59	190	730	190	730	0.91	15.63
	Language Proficiency NA	50293	498.55	50.36	190	730	190	730	0.89	16.45
	Language Proficiency NEP	1909	403.35	46.51	190	730	190	610	0.88	16.47
	Language Proficiency LEP	7527	459.39	35.76	190	730	310	603	0.84	14.29
	Language Proficiency FEP	2573	509.32	39.27	190	730	322	716	0.80	17.50
	Not Migrant Or Immigrant	61486	491.91	52.05	190	730	190	730	0.90	16.23
	Migrant	201	451.43	47.84	190	730	257	583	0.90	14.80
	Immigrant	582	449.45	66.47	190	730	190	604	0.94	16.84
	Migrant and Immigrant	23	425.22	51.07	190	730	296	496	0.90	15.96

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

Grade	Subgroup	N	Mean	SD	Loss	Hoss	Min	Max	Alpha	SEM
5	No Disability	55709	517.36	52.42	220	780	220	780	0.89	17.08
	Disability	5996	452.17	49.02	220	780	220	780	0.90	15.65
	No IEP	55698	517.37	52.42	220	780	220	780	0.89	17.08
	IEP	5992	452.17	49.03	220	780	220	780	0.90	15.65
	No Accommodation	50168	521.06	51.48	220	780	220	780	0.89	17.24
	Accommodation	11456	467.12	51.35	220	780	220	780	0.91	15.84
	Am. Indian/AK Native	518	489.81	52.83	220	780	283	678	0.91	15.77
	Asian	1902	528.34	65.41	220	780	220	780	0.92	18.08
	Black	2977	489.23	52.98	220	780	220	722	0.91	15.84
	Hispanic	20057	489.32	50.19	220	780	220	780	0.90	15.55
	White	34285	524.54	53.45	220	780	220	780	0.89	17.37
	Hawaiian/Pacific Islander	143	503.76	54.81	220	780	220	642	0.90	17.61
	Two or More Races	1822	519.86	55.28	220	780	220	780	0.90	17.38
	Not Free Lunch Eligible	34755	528.86	53.00	220	780	220	780	0.89	17.78
	Free Lunch Eligible	22290	484.76	49.58	220	780	220	780	0.90	15.34
	Reduced Lunch Eligible	4641	503.70	49.44	220	780	220	780	0.89	16.11
	Female	30133	521.62	54.86	220	780	220	780	0.90	17.49
	Male	31571	500.91	54.33	220	780	220	780	0.91	15.93
	Language Proficiency NA	50145	517.67	54.35	220	780	220	780	0.90	16.99
	Language Proficiency NEP	1293	414.17	53.46	220	780	220	602	0.89	18.02
	Language Proficiency LEP	6791	474.68	36.57	220	780	309	663	0.85	14.11
	Language Proficiency FEP	3474	522.27	40.91	220	780	325	780	0.82	17.53
	Not Migrant Or Immigrant	60881	511.69	55.10	220	780	220	780	0.91	16.74
	Migrant	251	472.13	51.27	220	780	295	603	0.91	15.07
	Immigrant	521	456.87	72.92	220	780	220	740	0.94	17.81
	Migrant and Immigrant	34	447.88	56.51	220	780	310	597	0.92	16.24
6	No Disability	54531	536.39	57.26	230	840	230	840	0.90	18.07
	Disability	5826	460.27	53.05	230	840	230	707	0.89	17.63
	No IEP	54525	536.39	57.27	230	840	230	840	0.90	18.07
	IEP	5822	460.28	53.02	230	840	230	707	0.89	17.62
	No Accommodation	51235	538.60	56.61	230	840	230	840	0.90	18.05
	Accommodation	9051	474.97	57.75	230	840	230	840	0.90	17.93
	Am. Indian/AK Native	524	503.14	59.23	230	840	307	749	0.92	17.07
	Asian/Pacific Islander	1806	547.14	72.80	230	840	230	840	0.93	19.21
	Black	3038	501.76	59.45	230	840	230	749	0.92	17.22
	Hispanic	19248	506.12	55.44	230	840	230	840	0.91	17.04
	White	33861	543.55	58.94	230	840	230	840	0.90	18.22
	Hawaiian/Pacific Islander	137	527.23	64.47	230	840	301	749	0.93	17.62
	Two or More Races	1743	537.10	56.96	230	840	341	840	0.90	17.69
	Not Free Lunch Eligible	34859	547.82	57.95	230	840	254	840	0.90	18.43
	Free Lunch Eligible	20940	500.24	55.59	230	840	230	840	0.91	17.06
	Reduced Lunch Eligible	4541	517.83	54.83	230	840	240	840	0.90	16.99
	Female	29567	541.90	59.41	230	840	230	840	0.90	18.40
	Male	30789	516.70	60.25	230	840	230	840	0.92	17.25
	Language Proficiency NA	49769	535.51	59.91	230	840	230	840	0.91	17.91
	Language Proficiency NEP	897	418.84	65.30	230	840	230	634	0.89	21.80
	Language Proficiency LEP	5290	481.57	40.58	230	840	329	738	0.85	15.70
	Language Proficiency FEP	4401	535.43	46.40	230	840	356	840	0.86	17.61
	Not Migrant Or Immigrant	59578	529.80	60.60	230	840	230	840	0.91	17.84
	Migrant	210	484.29	54.91	230	840	331	608	0.91	16.53
	Immigrant	529	466.90	80.35	230	840	230	840	0.93	20.71
	Migrant and Immigrant	30	455.67	70.57	230	840	326	624	0.92	20.03

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

Grade	Subgroup	N	Mean	SD	Loss	Hoss	Min	Max	Alpha	SEM
7	No Disability	53904	561.23	63.17	240	890	240	890	0.89	20.59
	Disability	5509	477.71	58.00	240	890	240	742	0.87	21.18
	No IEP	53895	561.23	63.17	240	890	240	890	0.89	20.60
	IEP	5503	477.68	57.97	240	890	240	742	0.87	21.18
	No Accommodation	51888	562.61	62.51	240	890	240	890	0.89	20.51
	Accommodation	7487	490.31	64.78	240	890	240	786	0.89	21.52
	Am. Indian/AK Native	521	525.36	63.37	240	890	319	741	0.90	20.02
	Asian	1823	576.43	80.99	240	890	240	890	0.93	22.07
	Black	2980	525.63	65.83	240	890	240	826	0.90	20.62
	Hispanic	18503	525.51	60.97	240	890	240	890	0.89	20.10
	White	33774	569.89	63.86	240	890	240	890	0.90	20.59
	Hawaiian/Pacific Islander	130	547.18	69.05	240	890	240	732	0.90	21.90
	Two or More Races	1683	565.42	64.01	240	890	304	827	0.90	20.38
	Not Free Lunch Eligible	35139	574.39	63.09	240	890	240	890	0.89	20.75
	Free Lunch Eligible	19813	519.24	61.06	240	890	240	826	0.89	20.22
	Reduced Lunch Eligible	4436	540.89	58.92	240	890	240	890	0.89	19.98
	Female	29193	568.58	66.31	240	890	240	890	0.90	20.95
	Male	30219	538.90	64.83	240	890	240	890	0.91	20.02
	Language Proficiency NA	49204	561.49	64.85	240	890	240	890	0.90	20.45
	Language Proficiency NEP	723	410.94	71.42	240	890	240	635	0.86	26.93
	Language Proficiency LEP	4651	489.74	42.19	240	890	240	660	0.80	18.91
	Language Proficiency FEP	4834	554.66	51.54	240	890	298	890	0.85	20.05
	Not Migrant Or Immigrant	58639	554.46	66.40	240	890	240	890	0.91	20.52
	Migrant	228	501.97	63.98	240	890	240	689	0.89	21.43
	Immigrant	509	468.92	92.35	240	890	240	890	0.93	24.72
	Migrant and Immigrant	22	449.50	73.04	240	890	325	606	0.91	22.46
8	No Disability	52908	572.03	68.44	250	910	250	910	0.89	23.13
	Disability	5102	481.99	59.25	250	910	250	730	0.86	22.31
	No IEP	52896	572.04	68.44	250	910	250	910	0.89	23.13
	IEP	5101	482.02	59.24	250	910	250	730	0.86	22.31
	No Accommodation	51425	572.55	68.24	250	910	250	910	0.89	23.03
	Accommodation	6532	497.69	69.20	250	910	250	910	0.89	23.19
	Am. Indian/AK Native	511	539.22	64.61	250	910	380	773	0.88	22.05
	Asian/Pacific Islander	1793	582.16	87.03	250	910	250	910	0.92	24.38
	Black	2766	534.03	67.12	250	910	250	810	0.89	22.19
	Hispanic	17442	532.53	64.69	250	910	250	910	0.88	22.00
	White	33772	581.62	69.20	250	910	250	910	0.89	23.10
	Hawaiian/Pacific Islander	131	563.72	65.92	250	910	367	745	0.88	22.66
	Two or More Races	1598	578.73	72.92	250	910	352	910	0.89	23.94
	Not Free Lunch Eligible	35549	585.66	68.70	250	910	250	910	0.88	23.43
	Free Lunch Eligible	18276	525.78	63.83	250	910	250	910	0.88	21.89
	Reduced Lunch Eligible	4163	548.43	63.32	250	910	250	867	0.88	21.98
	Female	28412	579.36	71.29	250	910	250	910	0.89	23.55
	Male	29598	549.48	70.26	250	910	250	910	0.90	22.12
	Language Proficiency NA	48438	572.58	70.58	250	910	250	910	0.89	22.95
	Language Proficiency NEP	635	415.53	70.77	250	910	250	620	0.85	27.47
	Language Proficiency LEP	3633	490.61	41.83	250	910	319	670	0.77	19.90
	Language Proficiency FEP	5304	554.96	53.23	250	910	316	891	0.83	22.07
	Not Migrant Or Immigrant	57293	565.08	71.66	250	910	250	910	0.90	22.88
	Migrant	182	503.82	64.91	250	910	255	715	0.89	21.96
	Immigrant	504	481.77	87.31	250	910	250	891	0.92	25.30
	Migrant and Immigrant	18	457.06	110.10	250	910	250	583	0.92	31.75

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

Grade	Subgroup	N	Mean	SD	Loss	Hoss	Min	Max	Alpha	SEM
9	No Disability	54077	576.35	75.30	260	930	260	930	0.91	22.03
	Disability	4850	478.31	67.03	260	930	260	901	0.89	22.33
	No IEP	54062	576.37	75.30	260	930	260	930	0.91	22.03
	IEP	4852	478.27	66.98	260	930	260	901	0.89	22.33
	No Accommodation	54852	574.46	76.16	260	930	260	930	0.92	21.90
	Accommodation	4013	484.27	74.57	260	930	260	820	0.90	23.08
	Am. Indian/AK Native	495	541.00	69.50	260	930	260	748	0.91	20.64
	Asian	1808	584.22	94.55	260	930	260	930	0.94	23.89
	Black	2986	527.47	75.03	260	930	260	820	0.92	21.79
	Hispanic	17517	533.10	71.20	260	930	260	930	0.91	21.34
	White	34378	588.67	75.07	260	930	260	930	0.91	21.97
	Hawaiian/Pacific Islander	127	567.21	87.29	260	930	260	774	0.93	22.43
	Two or More Races	1613	582.22	79.64	260	930	260	930	0.92	22.81
	Not Free Lunch Eligible	37677	589.81	75.38	260	930	260	930	0.91	22.20
	Free Lunch Eligible	17281	525.08	70.76	260	930	260	930	0.91	21.29
	Reduced Lunch Eligible	3926	552.19	70.56	260	930	260	930	0.91	21.33
	Female	28892	583.79	77.22	260	930	260	930	0.92	22.32
	Male	30034	553.37	78.54	260	930	260	930	0.93	21.38
	Language Proficiency NA	49716	577.85	76.94	260	930	260	930	0.92	21.83
	Language Proficiency NEP	842	408.99	71.49	260	930	260	602	0.82	30.40
	Language Proficiency LEP	3279	488.35	48.75	260	930	277	874	0.83	20.32
	Language Proficiency FEP	5086	552.74	57.34	260	930	260	930	0.87	20.85
	Not Migrant Or Immigrant	58086	569.67	78.36	260	930	260	930	0.92	21.82
	Migrant	193	488.59	81.42	260	930	260	689	0.91	24.44
	Immigrant	606	466.17	92.29	260	930	260	796	0.92	26.67
	Migrant and Immigrant	24	472.21	63.74	260	930	340	596	0.88	21.90
10	No Disability	52039	580.84	70.70	270	950	270	950	0.91	21.65
	Disability	4419	492.96	58.44	270	950	270	788	0.89	19.23
	No IEP	52033	580.84	70.71	270	950	270	950	0.91	21.65
	IEP	4417	492.94	58.45	270	950	270	788	0.89	19.23
	No Accommodation	53221	578.46	71.48	270	950	270	950	0.91	21.43
	Accommodation	3166	498.45	69.95	270	950	270	950	0.91	21.16
	Am. Indian/AK Native	530	544.73	70.59	270	950	270	860	0.92	20.56
	Asian/Pacific Islander	1811	586.81	87.76	270	950	270	950	0.93	23.29
	Black	2848	539.68	67.91	270	950	270	845	0.91	20.03
	Hispanic	15887	542.06	65.97	270	950	270	950	0.91	19.93
	White	33789	591.22	70.79	270	950	270	950	0.91	21.77
	Hawaiian/Pacific Islander	133	574.80	76.02	270	950	364	860	0.91	22.51
	Two or More Races	1453	583.42	70.65	270	950	346	950	0.91	21.76
	Not Free Lunch Eligible	37896	590.62	71.43	270	950	270	950	0.91	21.86
	Free Lunch Eligible	15028	535.51	65.51	270	950	270	876	0.91	19.72
	Reduced Lunch Eligible	3505	559.02	65.87	270	950	270	845	0.90	20.46
	Female	27565	589.97	71.36	270	950	270	950	0.91	21.92
	Male	28892	558.71	72.66	270	950	270	950	0.92	20.52
	Language Proficiency NA	48120	581.94	72.04	270	950	270	950	0.91	21.41
	Language Proficiency NEP	761	435.46	63.25	270	950	270	600	0.84	25.63
	Language Proficiency LEP	2780	502.16	42.85	270	950	270	695	0.83	17.47
	Language Proficiency FEP	4796	557.50	56.93	270	950	312	950	0.87	20.38
	Not Migrant Or Immigrant	55688	575.15	72.92	270	950	270	950	0.92	21.26
	Migrant	168	509.50	58.94	270	950	270	663	0.89	19.52
	Immigrant	575	481.24	82.82	270	950	270	738	0.92	23.20
	Migrant and Immigrant	13	443.46	74.66	270	950	270	559	0.89	24.98

**Table 225. Subgroup Reliability for the CSAP Mathematics Tests**

Grade	Subgroup	N	Mean	SD	Loss	Hoss	Min	Max	Alpha	SEM
3	No Disability	57245	467.82	84.48	150	700	150	700	0.90	26.22
	Disability	5622	380.56	92.20	150	700	150	700	0.91	28.00
	No IEP	57241	467.81	84.49	150	700	150	700	0.90	26.22
	IEP	5620	380.60	92.19	150	700	150	700	0.91	28.01
	No Accommodation	51587	475.70	82.18	150	700	150	700	0.90	26.25
	Accommodation	11234	388.21	82.14	150	700	150	700	0.89	27.07
	Am. Indian/AK Native	487	425.25	85.83	150	700	150	700	0.91	26.45
	Asian	2074	490.09	93.65	150	700	150	700	0.92	27.14
	Black	2887	406.98	88.32	150	700	150	689	0.91	26.99
	Hispanic	20737	422.75	83.33	150	700	150	700	0.90	26.23
	White	34663	484.98	81.43	150	700	150	700	0.90	26.25
	Hawaiian/Pacific Islander	116	466.56	79.84	150	700	186	700	0.90	25.77
	Two or More Races	1902	467.47	89.60	150	700	150	700	0.91	26.55
	Not Free Lunch Eligible	34846	490.04	81.12	150	700	150	700	0.89	26.41
	Free Lunch Eligible	23452	418.31	83.17	150	700	150	700	0.90	26.27
	Reduced Lunch Eligible	4550	445.03	81.78	150	700	150	700	0.90	25.89
	Female	30746	458.05	86.71	150	700	150	700	0.91	26.26
	Male	32118	461.90	90.64	150	700	150	700	0.91	26.61
	Language Proficiency NA	50368	471.32	85.91	150	700	150	700	0.91	26.34
	Language Proficiency NEP	2751	345.64	79.82	150	700	150	647	0.87	28.98
	Language Proficiency LEP	8211	421.61	70.04	150	700	150	700	0.87	25.15
	Language Proficiency FEP	1536	499.35	75.81	150	700	150	700	0.88	26.62
4	Not Migrant Or Immigrant	61806	460.75	88.51	150	700	150	700	0.91	26.45
	Migrant	237	401.71	80.01	150	700	150	606	0.89	26.48
	Immigrant	778	421.76	96.77	150	700	150	700	0.92	27.42
	Migrant and Immigrant	39	404.13	69.26	150	700	263	567	0.88	23.57
	No Disability	56531	500.93	72.98	180	780	180	780	0.94	18.34
	Disability	5978	409.96	84.42	180	780	180	769	0.95	19.77
	No IEP	56518	500.95	72.98	180	780	180	780	0.94	18.34
	IEP	5978	409.95	84.42	180	780	180	769	0.95	19.77
	No Accommodation	51455	507.18	70.83	180	780	180	780	0.93	18.37
	Accommodation	11030	422.57	76.86	180	780	180	769	0.94	19.12
	Am. Indian/AK Native	547	465.08	73.18	180	780	212	700	0.94	17.92
	Asian/Pacific Islander	1978	521.32	86.42	180	780	180	780	0.95	19.36
	Black	2924	442.72	81.41	180	780	180	780	0.95	19.00
	Hispanic	20388	459.59	74.85	180	780	180	780	0.94	18.24
	White	34585	513.84	71.51	180	780	180	780	0.93	18.43
	Hawaiian/Pacific Islander	118	493.03	89.72	180	780	180	704	0.95	19.50
	Two or More Races	1965	502.63	78.01	180	780	180	780	0.94	18.48
	Not Free Lunch Eligible	34837	518.73	71.50	180	780	180	780	0.93	18.55
	Free Lunch Eligible	22965	454.10	74.87	180	780	180	780	0.94	18.31
	Reduced Lunch Eligible	4688	482.27	70.31	180	780	180	771	0.94	17.82
4	Female	30763	491.97	77.24	180	780	180	780	0.94	18.45
	Male	31745	492.50	80.33	180	780	180	780	0.95	18.55
	Language Proficiency NA	50351	501.57	76.22	180	780	180	780	0.94	18.45
	Language Proficiency NEP	2036	375.68	76.12	180	780	180	759	0.93	20.74
	Language Proficiency LEP	7551	451.04	59.25	180	780	180	695	0.92	16.99
	Language Proficiency FEP	2569	522.62	63.47	180	780	186	780	0.91	18.85
	Not Migrant Or Immigrant	61635	492.94	78.49	180	780	180	780	0.94	18.50
	Migrant	205	439.24	74.22	180	780	187	656	0.94	18.05
	Immigrant	628	444.73	91.00	180	780	180	711	0.95	19.83
	Migrant and Immigrant	27	408.96	75.20	180	780	209	525	0.93	19.67

**Table 225. Subgroup Reliability for the CSAP Mathematics Tests (cont'd)**

Grade	Subgroup	N	Mean	SD	Loss	Hoss	Min	Max	Alpha	SEM
5	No Disability	55785	530.94	72.37	220	800	220	800	0.93	18.98
	Disability	6018	431.79	86.48	220	800	220	800	0.93	22.31
	No IEP	55773	530.95	72.38	220	800	220	800	0.93	18.98
	IEP	6015	431.80	86.49	220	800	220	800	0.93	22.31
	No Accommodation	51632	535.81	70.70	220	800	220	800	0.93	18.95
	Accommodation	10128	447.22	80.64	220	800	220	800	0.93	21.39
	Am. Indian/AK Native	519	492.17	78.75	220	800	220	800	0.94	19.82
	Asian	1909	553.98	89.57	220	800	220	800	0.95	20.85
	Black	2982	477.46	80.43	220	800	220	800	0.94	20.40
	Hispanic	20089	490.25	75.58	220	800	220	800	0.93	19.40
	White	34337	541.40	73.27	220	800	220	800	0.93	19.21
	Hawaiian/Pacific Islander	142	515.74	82.47	220	800	220	679	0.94	20.20
	Two or More Races	1820	530.79	78.10	220	800	220	800	0.94	19.11
	Not Free Lunch Eligible	34803	546.75	72.24	220	800	220	800	0.93	19.24
	Free Lunch Eligible	22334	483.65	76.57	220	800	220	800	0.93	19.73
	Reduced Lunch Eligible	4644	511.61	70.76	220	800	220	800	0.93	18.74
	Female	30174	521.05	75.64	220	800	220	800	0.94	19.13
	Male	31626	521.53	83.01	220	800	220	800	0.94	19.77
	Language Proficiency NA	50214	530.00	77.02	220	800	220	800	0.94	19.33
	Language Proficiency NEP	1314	391.65	88.43	220	800	220	732	0.92	25.02
	Language Proficiency LEP	6796	471.76	61.55	220	800	220	800	0.91	18.41
	Language Proficiency FEP	3476	541.34	60.59	220	800	220	800	0.90	18.78
	Not Migrant Or Immigrant	60970	522.06	79.01	220	800	220	800	0.94	19.44
	Migrant	248	469.84	81.84	220	800	220	670	0.93	21.02
	Immigrant	531	461.63	99.63	220	800	220	720	0.95	22.77
	Migrant and Immigrant	34	461.41	86.91	220	800	220	676	0.93	23.47
6	No Disability	54582	548.91	69.82	240	830	240	830	0.93	18.21
	Disability	5832	447.68	84.42	240	830	240	774	0.92	24.33
	No IEP	54572	548.92	69.81	240	830	240	830	0.93	18.20
	IEP	5830	447.65	84.42	240	830	240	774	0.92	24.33
	No Accommodation	52316	550.90	69.10	240	830	240	830	0.93	18.13
	Accommodation	8052	462.78	84.45	240	830	240	762	0.92	23.22
	Am. Indian/AK Native	523	509.40	76.72	240	830	240	750	0.93	20.28
	Asian/Pacific Islander	1812	566.93	85.16	240	830	240	816	0.95	19.92
	Black	3043	493.91	84.05	240	830	240	724	0.93	21.89
	Hispanic	19272	509.25	74.08	240	830	240	819	0.93	19.81
	White	33884	558.69	70.82	240	830	240	830	0.93	18.31
	Hawaiian/Pacific Islander	136	528.99	79.80	240	830	240	686	0.94	20.03
	Two or More Races	1744	549.42	71.35	240	830	240	761	0.93	18.36
	Not Free Lunch Eligible	34877	563.02	69.71	240	830	240	830	0.93	18.21
	Free Lunch Eligible	20976	502.27	75.63	240	830	240	762	0.93	20.39
	Reduced Lunch Eligible	4541	526.02	70.98	240	830	240	819	0.93	19.04
	Female	29596	540.24	73.47	240	830	240	830	0.94	18.64
	Male	30818	538.09	80.92	240	830	240	830	0.94	19.53
	Language Proficiency NA	49801	546.83	75.06	240	830	240	830	0.94	18.83
	Language Proficiency NEP	907	410.95	96.79	240	830	240	692	0.91	28.67
	Language Proficiency LEP	5304	480.65	62.72	240	830	240	712	0.89	20.44
	Language Proficiency FEP	4402	549.04	58.94	240	830	248	819	0.91	17.35
	Not Migrant Or Immigrant	59628	539.90	76.86	240	830	240	830	0.94	19.06
	Migrant	211	479.67	75.87	240	830	240	646	0.92	21.81
	Immigrant	533	483.52	99.33	240	830	240	694	0.94	23.69
	Migrant and Immigrant	30	461.67	89.11	240	830	240	636	0.92	24.58

**Table 225. Subgroup Reliability for the CSAP Mathematics Tests (cont'd)**

Grade	Subgroup	N	Mean	SD	Loss	Hoss	Min	Max	Alpha	SEM
7	No Disability	53947	568.64	68.22	280	860	280	860	0.93	17.99
	Disability	5528	469.98	83.89	280	860	280	833	0.90	26.45
	No IEP	53941	568.65	68.22	280	860	280	860	0.93	17.99
	IEP	5523	469.89	83.87	280	860	280	833	0.90	26.46
	No Accommodation	52684	569.18	68.45	280	860	280	860	0.93	18.07
	Accommodation	6760	483.78	84.46	280	860	280	860	0.92	24.51
	Am. Indian/AK Native	524	530.86	75.53	280	860	280	764	0.92	21.07
	Asian	1831	592.14	81.76	280	860	280	860	0.94	19.60
	Black	2986	515.66	78.06	280	860	280	860	0.92	22.27
	Hispanic	18524	527.07	71.92	280	860	280	819	0.92	20.59
	White	33797	579.30	68.55	280	860	280	860	0.93	18.13
	Hawaiian/Pacific Islander	128	547.71	77.28	280	860	280	744	0.94	19.76
	Two or More Races	1687	569.64	73.04	280	860	280	851	0.93	18.87
	Not Free Lunch Eligible	35174	583.04	67.92	280	860	280	860	0.93	17.98
	Free Lunch Eligible	19835	520.81	73.08	280	860	280	860	0.92	21.31
	Reduced Lunch Eligible	4443	545.60	67.91	280	860	280	821	0.92	19.40
	Female	29204	560.47	72.00	280	860	280	860	0.93	18.73
	Male	30268	558.51	78.67	280	860	280	860	0.94	19.68
	Language Proficiency NA	49238	567.37	73.04	280	860	280	860	0.93	18.84
	Language Proficiency NEP	742	436.28	86.93	280	860	280	673	0.88	30.05
	Language Proficiency LEP	4657	492.70	62.78	280	860	280	709	0.86	23.54
	Language Proficiency FEP	4837	562.22	59.31	280	860	280	823	0.91	17.37
	Not Migrant Or Immigrant	58694	560.23	75.02	280	860	280	860	0.94	19.17
	Migrant	230	500.02	76.87	280	860	280	728	0.91	23.13
	Immigrant	519	503.12	91.15	280	860	280	725	0.93	23.53
	Migrant and Immigrant	21	483.29	84.86	280	860	280	635	0.94	21.38
8	No Disability	52951	583.16	62.31	310	890	310	890	0.93	16.01
	Disability	5109	496.66	66.89	310	890	310	726	0.90	21.50
	No IEP	52938	583.17	62.30	310	890	310	890	0.93	16.01
	IEP	5109	496.70	66.91	310	890	310	726	0.90	21.50
	No Accommodation	51554	583.04	62.67	310	890	310	890	0.93	16.06
	Accommodation	6472	515.86	73.32	310	890	310	863	0.93	19.75
	Am. Indian/AK Native	508	553.25	62.79	310	890	310	723	0.92	17.57
	Asian/Pacific Islander	1795	608.96	71.08	310	890	310	890	0.94	17.15
	Black	2764	540.79	67.46	310	890	310	747	0.92	18.70
	Hispanic	17484	547.10	63.67	310	890	310	846	0.92	17.65
	White	33776	591.17	62.75	310	890	310	890	0.93	16.09
	Hawaiian/Pacific Islander	131	577.13	65.27	310	890	310	744	0.93	17.22
	Two or More Races	1604	586.19	66.41	310	890	310	888	0.94	16.34
	Not Free Lunch Eligible	35546	594.78	62.15	310	890	310	890	0.93	15.98
	Free Lunch Eligible	18321	541.59	63.99	310	890	310	783	0.92	18.16
	Reduced Lunch Eligible	4170	560.97	61.44	310	890	310	765	0.93	16.87
	Female	28435	575.99	63.79	310	890	310	890	0.93	16.37
	Male	29625	575.13	70.57	310	890	310	890	0.94	17.10
	Language Proficiency NA	48451	581.74	65.79	310	890	310	890	0.94	16.53
	Language Proficiency NEP	649	474.47	73.24	310	890	310	727	0.89	24.34
	Language Proficiency LEP	3650	513.19	54.02	310	890	310	741	0.87	19.64
	Language Proficiency FEP	5310	574.29	56.19	310	890	310	890	0.92	15.89
	Not Migrant Or Immigrant	57341	576.11	67.06	310	890	310	890	0.94	16.74
	Migrant	181	524.72	69.02	310	890	310	678	0.92	19.80
	Immigrant	507	533.65	75.83	310	890	310	792	0.94	18.43
	Migrant and Immigrant	18	514.28	87.93	310	890	310	644	0.93	22.51

**Table 225. Subgroup Reliability for the CSAP Mathematics Tests (cont'd)**

Grade	Subgroup	N	Mean	SD	Loss	Hoss	Min	Max	Alpha	SEM
9	No Disability	54167	583.69	66.58	340	920	340	920	0.93	18.12
	Disability	4850	490.08	73.67	340	920	340	753	0.88	25.24
	No IEP	54153	583.72	66.55	340	920	340	920	0.93	18.11
	IEP	4853	490.04	73.68	340	920	340	753	0.88	25.24
	No Accommodation	55041	581.54	68.31	340	920	340	920	0.93	18.46
	Accommodation	3944	498.55	76.49	340	920	340	791	0.90	23.85
	Am. Indian/AK Native	494	549.50	70.04	340	920	340	748	0.91	21.11
	Asian	1812	603.57	79.55	340	920	340	920	0.94	19.27
	Black	3002	530.79	72.87	340	920	340	746	0.91	22.33
	Hispanic	17550	543.99	68.72	340	920	340	802	0.91	20.92
	White	34412	594.69	65.15	340	920	340	920	0.93	17.83
	Hawaiian/Pacific Islander	127	574.94	73.92	340	920	340	781	0.93	19.75
	Two or More Races	1615	586.97	69.83	340	920	340	800	0.93	18.30
	Not Free Lunch Eligible	37718	594.99	65.90	340	920	340	920	0.93	17.85
	Free Lunch Eligible	17326	537.69	69.85	340	920	340	757	0.90	21.64
	Reduced Lunch Eligible	3929	562.97	65.96	340	920	340	806	0.91	19.41
	Female	28921	575.89	67.99	340	920	340	874	0.92	18.79
	Male	30094	576.11	75.54	340	920	340	920	0.93	19.34
	Language Proficiency NA	49794	583.40	69.52	340	920	340	920	0.93	18.64
	Language Proficiency NEP	858	459.03	67.78	340	920	340	722	0.82	28.75
	Language Proficiency LEP	3278	506.82	61.76	340	920	340	765	0.85	23.99
	Language Proficiency FEP	5081	567.93	59.11	340	920	340	868	0.90	18.35
	Not Migrant Or Immigrant	58168	576.91	71.39	340	920	340	920	0.93	19.01
	Migrant	197	512.38	72.30	340	920	340	656	0.88	24.85
	Immigrant	611	514.34	84.09	340	920	340	765	0.92	23.23
	Migrant and Immigrant	24	501.54	75.76	340	920	340	623	0.86	27.94
10	No Disability	52196	598.87	64.87	370	950	370	874	0.93	17.22
	Disability	4437	509.55	73.62	370	950	370	783	0.89	24.57
	No IEP	52191	598.87	64.87	370	950	370	874	0.93	17.22
	IEP	4437	509.58	73.62	370	950	370	783	0.89	24.56
	No Accommodation	53502	596.35	66.70	370	950	370	874	0.93	17.58
	Accommodation	3107	514.71	77.39	370	950	370	807	0.91	23.18
	Am. Indian/AK Native	532	560.71	71.16	370	950	370	724	0.92	20.70
	Asian/Pacific Islander	1816	616.12	78.92	370	950	370	874	0.94	18.59
	Black	2857	550.45	69.06	370	950	370	783	0.90	22.05
	Hispanic	15937	560.30	66.38	370	950	370	783	0.91	19.98
	White	33897	609.02	64.07	370	950	370	874	0.93	17.05
	Hawaiian/Pacific Islander	133	586.17	67.14	370	950	370	781	0.93	17.81
	Two or More Races	1458	601.25	65.26	370	950	370	874	0.93	17.29
	Not Free Lunch Eligible	37990	608.01	65.04	370	950	370	874	0.93	17.08
	Free Lunch Eligible	15090	554.86	67.72	370	950	370	794	0.90	20.97
	Reduced Lunch Eligible	3529	576.70	64.78	370	950	370	767	0.91	19.00
	Female	27629	589.91	65.81	370	950	370	874	0.93	17.76
	Male	29004	593.74	73.44	370	950	370	874	0.94	18.52
	Language Proficiency NA	48271	598.73	67.67	370	950	370	874	0.93	17.72
	Language Proficiency NEP	771	477.09	72.74	370	950	370	692	0.83	30.30
	Language Proficiency LEP	2783	525.84	59.37	370	950	370	771	0.85	23.14
	Language Proficiency FEP	4808	579.62	57.87	370	950	370	822	0.91	17.53
	Not Migrant Or Immigrant	55859	592.80	69.21	370	950	370	874	0.93	18.05
	Migrant	169	525.45	73.03	370	950	370	689	0.88	25.11
	Immigrant	579	524.73	84.67	370	950	370	773	0.93	23.19
	Migrant and Immigrant	14	504.21	85.37	370	950	370	611	0.87	30.65



**Table 226. Subgroup Reliability for the CSAP Science Tests**

Grade	Subgroup	N	Mean	SD	Loss	Hoss	Min	Max	Alpha	SEM
5	No Disability	55773	503.33	62.76	300	900	300	753	0.92	17.76
	Disability	6009	429.48	70.33	300	900	300	666	0.91	20.73
	No IEP	55759	503.33	62.76	300	900	300	753	0.92	17.76
	IEP	6010	429.50	70.32	300	900	300	666	0.91	20.73
	No Accommodation	52693	507.25	60.77	300	900	300	753	0.92	17.59
	Accommodation	9050	431.46	66.39	300	900	300	717	0.90	20.69
	Am. Indian/AK Native	520	472.10	66.94	300	900	300	667	0.92	18.76
	Asian	1905	507.11	72.99	300	900	300	753	0.94	18.63
	Black	2987	456.38	64.93	300	900	300	617	0.91	19.62
	Hispanic	20089	461.33	64.31	300	900	300	679	0.91	19.16
	White	34316	519.19	57.77	300	900	300	719	0.91	17.45
	Hawaiian/Pacific Islander	143	482.01	70.27	300	900	300	630	0.93	19.04
	Two or More Races	1822	507.71	64.12	300	900	300	668	0.92	17.85
	Not Free Lunch Eligible	34798	521.43	57.40	300	900	300	753	0.91	17.39
	Free Lunch Eligible	22320	458.60	64.54	300	900	300	673	0.91	19.37
	Reduced Lunch Eligible	4644	487.17	60.81	300	900	300	667	0.91	18.22
	Female	30172	494.47	64.64	300	900	300	753	0.92	18.01
	Male	31610	497.74	69.51	300	900	300	719	0.93	18.33
	Language Proficiency NA	50190	507.32	62.50	300	900	300	753	0.92	17.77
	Language Proficiency NEP	1310	370.58	58.41	300	900	300	598	0.84	23.66
	Language Proficiency LEP	6798	435.56	51.50	300	900	300	673	0.85	20.03
	Language Proficiency FEP	3481	500.68	49.32	300	900	300	701	0.88	17.14
8	Not Migrant Or Immigrant	60960	497.02	66.66	300	900	300	753	0.93	18.14
	Migrant	248	437.33	64.00	300	900	300	591	0.90	20.32
	Immigrant	523	427.62	78.59	300	900	300	641	0.93	20.97
	Migrant and Immigrant	34	412.85	69.94	300	900	300	565	0.90	22.58
	No Disability	52870	506.38	57.95	300	900	300	722	0.92	16.35
	Disability	5084	428.36	64.84	300	900	300	653	0.90	20.96
	No IEP	52858	506.39	57.94	300	900	300	722	0.92	16.35
	IEP	5084	428.38	64.85	300	900	300	653	0.90	20.96
	No Accommodation	52663	506.49	57.90	300	900	300	722	0.92	16.38
	Accommodation	5262	430.08	65.41	300	900	300	653	0.90	20.66
	Am. Indian/AK Native	504	478.39	61.51	300	900	300	639	0.92	17.62
	Asian/Pacific Islander	1794	513.26	66.51	300	900	300	701	0.93	17.27
	Black	2765	463.49	63.46	300	900	300	648	0.91	19.15
	Hispanic	17423	468.57	61.57	300	900	300	665	0.91	18.43
	White	33743	517.55	54.92	300	900	300	722	0.92	15.92
	Hawaiian/Pacific Islander	131	492.58	65.54	300	900	300	617	0.93	17.82
	Two or More Races	1597	510.82	59.99	300	900	300	671	0.93	16.38
	Not Free Lunch Eligible	35516	519.20	54.75	300	900	300	722	0.92	15.88
	Free Lunch Eligible	18255	464.16	61.68	300	900	300	644	0.91	18.89
	Reduced Lunch Eligible	4161	487.02	57.82	300	900	300	652	0.91	17.23
	Female	28386	498.44	59.63	300	900	300	722	0.92	16.69
	Male	29566	500.59	65.31	300	900	300	702	0.93	17.18
8	Language Proficiency NA	48376	507.62	59.26	300	900	300	722	0.92	16.51
	Language Proficiency NEP	643	372.02	59.16	300	900	300	559	0.81	26.13
	Language Proficiency LEP	3639	426.02	48.90	300	900	300	591	0.80	21.79
	Language Proficiency FEP	5296	491.67	48.98	300	900	300	656	0.89	16.10
	Not Migrant Or Immigrant	57237	500.31	62.10	300	900	300	722	0.93	16.91
	Migrant	181	442.64	65.42	300	900	300	574	0.90	20.81
	Immigrant	505	435.85	72.76	300	900	300	618	0.92	20.70
	Migrant and Immigrant	19	422.11	79.23	300	900	300	545	0.91	23.83

**Table 226. Subgroup Reliability for the CSAP Science Tests (cont'd)**

Grade	Subgroup	N	Mean	SD	Loss	Hoss	Min	Max	Alpha	SEM
10	No Disability	52119	502.13	60.39	300	900	300	693	0.92	17.58
	Disability	4453	425.26	68.72	300	900	300	655	0.90	21.45
	No IEP	52111	502.12	60.40	300	900	300	693	0.92	17.58
	IEP	4453	425.34	68.76	300	900	300	655	0.90	21.45
	No Accommodation	53584	500.09	61.77	300	900	300	693	0.92	17.79
	Accommodation	2960	423.47	69.44	300	900	300	654	0.91	21.19
	Am. Indian/AK Native	532	471.97	65.04	300	900	300	629	0.91	19.26
	Asian	1811	505.56	69.23	300	900	300	649	0.93	18.20
	Black	2854	458.55	64.72	300	900	300	635	0.90	20.78
	Hispanic	15915	462.72	62.96	300	900	300	666	0.90	19.77
	White	33863	514.40	56.98	300	900	300	693	0.91	17.09
	Hawaiian/Pacific Islander	133	486.17	61.14	300	900	300	602	0.91	18.54
	Two or More Races	1460	506.13	59.66	300	900	300	664	0.92	17.39
	Not Free Lunch Eligible	37953	512.16	58.32	300	900	300	693	0.91	17.19
	Free Lunch Eligible	15072	458.60	64.04	300	900	300	658	0.90	20.23
	Reduced Lunch Eligible	3518	483.36	60.29	300	900	300	638	0.90	18.81
	Female	27593	495.71	59.99	300	900	300	689	0.91	17.86
	Male	28977	496.42	68.51	300	900	300	693	0.93	18.28
	Language Proficiency NA	48211	504.11	61.19	300	900	300	693	0.92	17.68
	Language Proficiency NEP	768	372.27	52.78	300	900	300	526	0.72	27.82
	Language Proficiency LEP	2783	421.47	52.51	300	900	300	605	0.81	23.13
	Language Proficiency FEP	4809	478.55	52.26	300	900	300	644	0.88	18.14
	Not Migrant Or Immigrant	55801	497.11	63.80	300	900	300	693	0.92	18.04
	Migrant	171	427.94	62.66	300	900	300	573	0.87	22.74
	Immigrant	575	419.07	72.17	300	900	300	630	0.91	21.85
	Migrant and Immigrant	13	387.85	75.43	300	900	300	515	0.91	23.09

**Table 227. Subgroup Reliability for the CSAP Spanish Reading Tests**

Grade	Subgroup	N	Mean	SD	Loss	Hoss	Min	Max	Alpha	SEM
3	No Disability	1100	526.74	45.37	300	740	300	708	0.87	16.46
	Disability	92	459.02	63.78	300	740	300	600	0.86	23.54
	No IEP	1100	526.74	45.37	300	740	300	708	0.87	16.46
	IEP	92	459.02	63.78	300	740	300	600	0.86	23.54
	No Accommodation	911	527.67	45.84	300	740	300	708	0.87	16.50
	Accommodation	280	502.04	58.13	300	740	300	667	0.89	19.05
	Am. Indian/AK Native	2	539.50	50.20	300	740	504	575	0.89	16.39
	Asian	.	.	.	.	.	.	.	.	.
	Black	.	.	.	.	.	.	.	.	.
	Hispanic	1179	521.54	50.55	300	740	300	708	0.88	17.35
	White	11	515.00	28.83	300	740	482	581	0.69	16.03
	Hawaiian/Pacific Islander	.	.	.	.	.	.	.	.	.
	Two or More Races	.	.	.	.	.	.	.	.	.
	Not Free Lunch Eligible	71	532.15	61.11	300	740	300	708	0.91	18.52
	Free Lunch Eligible	1040	520.15	49.73	300	740	300	708	0.88	17.35
	Reduced Lunch Eligible	81	529.59	46.84	300	740	406	640	0.89	15.74
	Female	618	529.67	45.78	300	740	300	708	0.87	16.64
	Male	574	512.73	53.56	300	740	300	667	0.89	17.97
	Language Proficiency NA	6	516.83	58.17	300	740	472	629	0.92	16.62
	Language Proficiency NEP	623	499.12	48.43	300	740	300	610	0.86	18.45
	Language Proficiency LEP	554	545.50	39.28	300	740	300	708	0.83	16.19
	Language Proficiency FEP	9	597.78	34.31	300	740	540	659	0.68	19.35
4	Not Migrant Or Immigrant	1091	521.56	50.41	300	740	300	708	0.88	17.28
	Migrant	14	510.50	55.66	300	740	359	587	0.89	18.54
	Immigrant	82	523.06	49.63	300	740	300	659	0.86	18.44
	Migrant and Immigrant	5	516.00	51.39	300	740	461	581	0.94	12.91
	No Disability	123	531.46	32.79	300	790	443	599	0.90	10.50
	Disability	2	543.50	34.65	300	790	519	568	0.94	8.84
	No IEP	123	531.46	32.79	300	790	443	599	0.90	10.50
	IEP	2	543.50	34.65	300	790	519	568	0.94	8.84
	No Accommodation	75	532.39	33.31	300	790	443	599	0.90	10.33
	Accommodation	50	530.56	32.09	300	790	456	589	0.89	10.79
	Am. Indian/AK Native	.	.	.	.	.	.	.	.	.
	Asian/Pacific Islander	.	.	.	.	.	.	.	.	.
	Black	.	.	.	.	.	.	.	.	.
	Hispanic	122	531.30	32.95	300	790	443	599	0.90	10.51
	White	3	546.33	18.48	300	790	525	557	0.68	10.40
	Hawaiian/Pacific Islander	.	.	.	.	.	.	.	.	.
	Two or More Races	.	.	.	.	.	.	.	.	.
	Not Free Lunch Eligible	17	542.65	27.71	300	790	475	584	0.87	10.08
	Free Lunch Eligible	103	529.83	33.64	300	790	443	599	0.90	10.52
	Reduced Lunch Eligible	4	528.00	27.78	300	790	487	547	0.83	11.40
	Female	65	534.62	35.76	300	790	443	599	0.91	10.56
	Male	60	528.45	29.01	300	790	456	589	0.87	10.42
	Language Proficiency NA	1	551.00	.	300	790	551	551	.	.
	Language Proficiency NEP	110	531.09	33.59	300	790	443	599	0.90	10.56
	Language Proficiency LEP	14	534.71	26.55	300	790	500	589	0.86	9.80
	Language Proficiency FEP	.	.	.	.	.	.	.	.	.
	Not Migrant Or Immigrant	78	532.00	32.29	300	790	443	599	0.89	10.74
	Migrant	4	538.75	40.74	300	790	491	584	0.94	10.02
	Immigrant	39	532.21	34.06	300	790	459	590	0.91	10.11
	Migrant and Immigrant	4	512.50	23.30	300	790	483	540	0.83	9.55

**Table 228. Subgroup Reliability for the CSAP Spanish Writing Tests**

Grade	Subgroup	N	Mean	SD	Loss	Hoss	Min	Max	Alpha	SEM
3	No Disability	1133	523.55	70.71	250	750	274	750	0.91	21.11
	Disability	89	433.03	68.90	250	750	250	587	0.90	21.33
	No IEP	1133	523.55	70.71	250	750	274	750	0.91	21.11
	IEP	89	433.03	68.90	250	750	250	587	0.90	21.33
	No Accommodation	892	522.49	71.31	250	750	274	750	0.91	20.87
	Accommodation	329	502.49	79.97	250	750	250	750	0.93	21.26
	Am. Indian/AK Native	2	576.00	107.50	250	750	500	652	0.95	23.72
	Asian	.	.	.	.	.	.	.	.	.
	Black	.	.	.	.	.	.	.	.	.
	Hispanic	1208	516.97	74.55	250	750	250	750	0.92	20.92
	White	12	505.83	48.03	250	750	428	598	0.81	20.79
	Hawaiian/Pacific Islander	.	.	.	.	.	.	.	.	.
	Two or More Races	.	.	.	.	.	.	.	.	.
	Not Free Lunch Eligible	76	523.37	86.51	250	750	340	712	0.94	21.55
	Free Lunch Eligible	1064	515.78	73.64	250	750	250	750	0.92	20.94
	Reduced Lunch Eligible	82	526.32	71.63	250	750	315	667	0.92	20.05
	Female	633	532.96	70.34	250	750	259	750	0.91	21.63
	Male	589	499.77	74.81	250	750	250	713	0.93	20.43
	Language Proficiency NA	7	454.57	80.48	250	750	379	621	0.90	25.39
	Language Proficiency NEP	629	482.86	69.70	250	750	250	697	0.91	20.60
	Language Proficiency LEP	577	553.91	60.02	250	750	385	750	0.86	22.44
	Language Proficiency FEP	9	580.11	29.88	250	750	547	628	0.43	22.63
4	Not Migrant Or Immigrant	1122	517.58	74.71	250	750	250	750	0.92	20.95
	Migrant	14	520.71	86.70	250	750	345	675	0.95	18.84
	Immigrant	81	510.15	66.93	250	750	336	675	0.90	20.83
	Migrant and Immigrant	5	478.60	85.73	250	750	372	608	0.93	22.86
	No Disability	120	507.62	41.50	300	790	398	582	0.85	16.01
	Disability	2	524.50	12.02	300	790	516	533	.	.
	No IEP	120	507.62	41.50	300	790	398	582	0.85	16.01
	IEP	2	524.50	12.02	300	790	516	533	.	.
	No Accommodation	72	506.29	39.21	300	790	409	580	0.84	15.76
	Accommodation	50	510.20	44.27	300	790	398	582	0.86	16.37
	Am. Indian/AK Native	.	.	.	.	.	.	.	.	.
	Asian/Pacific Islander	.	.	.	.	.	.	.	.	.
	Black	.	.	.	.	.	.	.	.	.
	Hispanic	119	508.35	41.41	300	790	398	582	0.85	16.06
	White	3	489.67	33.50	300	790	460	526	0.79	15.25
	Hawaiian/Pacific Islander	.	.	.	.	.	.	.	.	.
	Two or More Races	.	.	.	.	.	.	.	.	.
	Not Free Lunch Eligible	17	521.94	23.00	300	790	488	579	0.67	13.29
	Free Lunch Eligible	100	505.44	42.88	300	790	398	582	0.86	16.13
	Reduced Lunch Eligible	4	500.25	56.48	300	790	425	548	0.91	17.03
	Female	65	510.15	45.81	300	790	398	581	0.87	16.33
	Male	57	505.32	35.50	300	790	406	582	0.80	15.75
	Language Proficiency NA	1	526.00	.	300	790	526	526	.	.
	Language Proficiency NEP	108	506.93	41.53	300	790	398	582	0.85	15.96
	Language Proficiency LEP	13	514.54	40.85	300	790	409	571	0.84	16.60
	Language Proficiency FEP	.	.	.	.	.	.	.	.	.
	Not Migrant Or Immigrant	77	508.51	39.53	300	790	398	581	0.83	16.16
	Migrant	4	500.50	53.26	300	790	446	561	0.93	14.14
	Immigrant	37	507.70	46.42	300	790	409	582	0.88	16.16
	Migrant and Immigrant	4	505.25	13.12	300	790	487	517	0.19	11.82

**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	49320	575.91	62.06	6680	511.17	78.11
		Disability	2028	506.22	100.04	3451	443.75	106.96
		No IEP	49315	575.91	62.06	6684	511.09	78.24
		IEP	2029	506.32	100.03	3447	443.82	106.88
	4	No Disability	49115	600.09	49.86	7275	551.01	57.83
		Disability	1763	540.64	81.01	4174	490.90	88.52
		No IEP	49105	600.10	49.86	7275	551.02	57.83
		IEP	1762	540.64	81.03	4173	490.87	88.50
	5	No Disability	48946	625.42	53.84	6797	576.23	64.77
		Disability	1607	556.72	85.75	4373	511.95	89.14
		No IEP	48932	625.43	53.84	6800	576.22	64.77
		IEP	1607	556.72	85.75	4369	511.92	89.16
	6	No Disability	49530	639.42	53.89	5011	591.24	63.58
		Disability	1948	561.20	79.56	3869	535.19	80.19
		No IEP	49522	639.42	53.89	5012	591.23	63.58
		IEP	1946	561.16	79.57	3868	535.19	80.20
	7	No Disability	50502	651.89	55.37	3400	596.67	68.94
		Disability	2184	575.16	76.04	3315	547.15	74.95
		No IEP	50492	651.89	55.38	3401	596.62	68.97
		IEP	2179	575.06	76.06	3314	547.18	74.94
	8	No Disability	49792	662.31	51.23	3133	616.13	61.08
		Disability	2060	590.22	61.88	3035	569.61	63.46
		No IEP	49778	662.32	51.22	3135	616.09	61.08
		IEP	2061	590.23	61.87	3033	569.62	63.48
	9	No Disability	52821	664.79	45.31	1234	626.07	54.90
		Disability	2477	601.98	54.33	2350	592.96	56.34
		No IEP	52807	664.80	45.31	1233	626.20	54.91
		IEP	2479	601.98	54.32	2350	592.88	56.31
	10	No Disability	51018	685.65	49.77	1015	639.50	64.19
		Disability	2542	620.13	57.19	1883	611.65	58.50
		No IEP	51010	685.65	49.78	1017	639.46	64.14
		IEP	2542	620.11	57.20	1881	611.64	58.53

**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	49149	477.77	49.06	6987	430.88	46.19
		Disability	1608	441.42	52.60	3909	402.79	50.05
		No IEP	49140	477.78	49.06	6987	430.88	46.19
		IEP	1611	441.48	52.57	3909	402.80	50.05
	4	No Disability	48434	502.86	47.61	7918	462.90	45.39
		Disability	1363	461.43	49.64	4589	427.86	44.80
		No IEP	48424	502.86	47.60	7918	462.92	45.39
		IEP	1362	461.42	49.65	4588	427.82	44.78
	5	No Disability	48905	522.35	50.78	6804	481.53	50.00
		Disability	1344	473.43	53.92	4652	446.03	45.71
		No IEP	48893	522.35	50.78	6805	481.54	49.99
		IEP	1342	473.48	53.95	4650	446.01	45.71
	6	No Disability	49726	540.54	55.53	4805	493.46	57.25
		Disability	1579	477.10	55.42	4247	454.01	50.75
		No IEP	49719	540.55	55.54	4806	493.45	57.24
		IEP	1576	477.16	55.29	4246	454.01	50.75
	7	No Disability	50168	564.99	61.26	3736	510.74	66.58
		Disability	1757	494.26	58.83	3752	469.97	55.95
		No IEP	50158	564.99	61.26	3737	510.70	66.62
		IEP	1752	494.15	58.85	3751	469.99	55.93
	8	No Disability	49704	575.30	66.88	3204	521.30	72.18
		Disability	1774	495.16	59.84	3328	474.97	57.72
		No IEP	49691	575.32	66.88	3205	521.28	72.18
		IEP	1774	495.23	59.79	3327	474.98	57.73
	9	No Disability	52668	578.18	74.24	1409	508.03	82.27
		Disability	2239	486.40	66.67	2611	471.37	66.56
		No IEP	52654	578.19	74.24	1408	508.16	82.36
		IEP	2240	486.37	66.67	2612	471.32	66.48
	10	No Disability	50913	582.27	69.64	1126	516.30	86.77
		Disability	2377	496.65	59.99	2042	488.66	56.29
		No IEP	50907	582.27	69.64	1126	516.30	86.77
		IEP	2375	496.61	60.02	2042	488.66	56.29

**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	49952	477.28	81.40	7293	403.00	76.29
		Disability	1676	427.24	90.56	3946	360.73	85.51
		No IEP	49944	477.28	81.40	7297	402.97	76.32
		IEP	1677	427.25	90.55	3943	360.75	85.48
	4	No Disability	49959	508.64	69.88	6572	442.36	69.35
		Disability	1519	458.56	83.53	4459	393.40	78.10
		No IEP	49947	508.65	69.88	6571	442.35	69.35
		IEP	1520	458.49	83.56	4458	393.40	78.10
	5	No Disability	50154	537.60	69.32	5631	471.62	71.95
		Disability	1520	476.60	87.98	4498	416.65	80.52
		No IEP	50140	537.61	69.32	5633	471.60	71.95
		IEP	1519	476.61	88.00	4496	416.66	80.53
	6	No Disability	50527	553.56	67.03	4055	490.98	77.47
		Disability	1836	477.14	83.07	3996	434.14	81.55
		No IEP	50517	553.58	67.02	4055	490.98	77.47
		IEP	1834	477.09	83.09	3996	434.14	81.55
	7	No Disability	50733	572.01	66.31	3214	515.41	75.58
		Disability	1982	496.58	80.95	3546	455.11	81.81
		No IEP	50727	572.02	66.31	3214	515.41	75.58
		IEP	1977	496.40	80.95	3546	455.11	81.81
	8	No Disability	49690	585.68	61.01	3261	544.83	68.91
		Disability	1897	514.01	65.59	3212	486.41	65.54
		No IEP	49676	585.69	61.01	3262	544.79	68.93
		IEP	1898	514.07	65.62	3211	486.44	65.55
	9	No Disability	52842	585.03	65.84	1325	530.09	73.21
		Disability	2232	498.89	73.38	2618	482.57	73.11
		No IEP	52829	585.06	65.82	1324	530.15	73.21
		IEP	2235	498.82	73.40	2618	482.55	73.11
	10	No Disability	51152	600.01	64.01	1044	543.11	80.15
		Disability	2371	517.55	74.27	2066	500.37	71.80
		No IEP	51146	600.01	64.01	1045	542.99	80.18
		IEP	2372	517.56	74.26	2065	500.41	71.80

**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	51070	508.70	59.82	4703	444.99	64.25
		Disability	1662	462.56	71.56	4347	416.84	65.59
		No IEP	51058	508.70	59.83	4701	444.96	64.26
		IEP	1662	462.53	71.56	4348	416.87	65.59
	8	No Disability	50556	508.93	56.29	2314	450.56	65.09
		Disability	2134	448.28	64.65	2950	413.96	61.06
		No IEP	50543	508.95	56.28	2315	450.54	65.09
		IEP	2135	448.31	64.65	2949	413.96	61.07
	10	No Disability	51127	503.37	59.41	992	438.10	74.07
		Disability	2478	432.50	70.14	1975	416.17	65.79
		No IEP	51117	503.37	59.42	994	437.97	74.07
		IEP	2480	432.60	70.19	1973	416.21	65.80
Reading Spanish	3	No Disability	897	523.71	48.29	223	526.08	45.70
		Disability	25	465.20	68.90	65	456.12	72.45
		No IEP	897	523.71	48.29	223	526.08	45.70
		IEP	25	465.20	68.90	65	456.12	72.45
	4	No Disability	70	534.27	42.36	42	528.95	39.56
		Disability	1	525.00	.	.	.	.
		No IEP	70	534.27	42.36	42	528.95	39.56
		IEP	1	525.00	.	.	.	.
Writing Spanish	3	No Disability	889	515.22	70.71	233	506.20	68.90
		Disability	18	453.11	83.70	71	431.25	83.60
		No IEP	889	515.22	70.71	233	506.20	68.90
		IEP	18	453.11	83.70	71	431.25	83.60
	4	No Disability	67	515.06	36.52	45	514.42	40.57
		Disability	1	506.00	.	.	.	.
		No IEP	67	515.06	36.52	45	514.42	40.57
		IEP	1	506.00	.	.	.	.



**Table 230. Overall Estimates of Standard Error of Measurement**

Content Area	Grade	SEM
Reading	3	25.63
	4	15.64
	5	17.87
	6	17.34
	7	16.89
	8	15.24
	9	13.17
	10	13.57
Writing	3	14.71
	4	16.22
	5	16.73
	6	17.86
	7	20.59
	8	23.36
	9	22.20
	10	21.48
Mathematics	3	26.46
	4	18.52
	5	19.49
	6	19.14
	7	19.25
	8	16.84
	9	19.26
	10	18.17
Science	5	18.20
	8	16.98
	10	18.41
Reading Spanish	3	17.35
	4	10.51
Writing Spanish	3	20.93
	4	16.03

**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	233														
175	208	180	207												
200	183	200	187	220	199										
225	158	225	162	225	194										
250	135	250	137	250	169	260	181								
275	115	275	113	275	144	275	166								
300	96	300	93	300	122	300	141	300	121						
325	80	325	76	325	102	325	116	325	102	330	113				
350	65	350	62	350	84	350	94	350	85	350	96	350	121	370	164
375	51	375	50	375	68	375	75	375	71	375	79	375	101	375	159
400	40	400	40	400	54	400	58	400	58	400	65	400	83	400	134
425	32	425	32	425	42	425	45	425	47	425	52	425	68	425	109
450	26	450	25	450	32	450	34	450	38	450	42	450	54	450	84
475	23	475	20	475	25	475	26	475	30	475	33	475	42	475	63
500	20	500	16	500	19	500	20	500	23	500	26	500	29	500	46
525	19	525	13	525	16	525	16	525	18	525	20	525	19	525	32
550	19	550	11	550	14	550	15	550	15	550	16	550	14	550	23
575	19	575	11	575	13	575	14	575	14	575	14	575	12	575	17
600	19	600	12	600	13	600	13	600	13	600	12	600	11	600	13
625	21	625	13	625	14	625	13	625	13	625	12	625	10	625	11
650	23	650	15	650	15	650	13	650	13	650	12	650	10	650	10
675	26	675	18	675	16	675	15	675	14	675	13	675	11	675	10
700	31	700	22	700	19	700	17	700	16	700	14	700	12	700	11
725	36	725	27	725	23	725	20	725	18	725	16	725	13	725	12
750	42	750	32	750	27	750	24	750	22	750	19	750	16	750	13
775	49	775	37	775	32	775	28	775	26	775	23	775	19	775	16
795	56	800	43	800	39	800	34	800	32	800	28	800	24	800	20
		825	50	825	46	825	41	825	38	825	34	825	31	825	25
		850	58	850	54	850	49	850	45	850	42	850	40	850	32
		875	68	875	64	875	58	875	54	875	52	875	52	875	41
		900	80	900	76	900	68	900	64	900	64	900	67	900	52
		925	94	925	89	925	79	925	75	925	79	925	86	925	66
		940	103	950	105	950	92	950	89	950	98	950	110	950	84
				955	108	970	103	975	105	975	119	975	135	975	107
								980	108	990	133	995	155	999	131

**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	120														
175	95	190	80												
200	72	200	74	220	61										
225	55	225	60	225	58	230	54	240	50						
250	44	250	47	250	46	250	46	250	46	250	45	260	45	270	46
275	35	275	36	275	37	275	37	275	40	275	38	275	41	275	44
300	26	300	27	300	29	300	31	300	35	300	33	300	36	300	38
325	19	325	21	325	24	325	26	325	31	325	29	325	32	325	33
350	15	350	17	350	20	350	22	350	28	350	26	350	29	350	30
375	12	375	14	375	17	375	20	375	25	375	24	375	27	375	28
400	10	400	13	400	15	400	19	400	22	400	23	400	26	400	24
425	10	425	12	425	13	425	17	425	21	425	22	425	25	425	20
450	11	450	12	450	12	450	15	450	19	450	20	450	21	450	16
475	14	475	14	475	13	475	14	475	17	475	18	475	18	475	14
500	18	500	16	500	14	500	14	500	16	500	17	500	16	500	14
525	24	525	18	525	16	525	15	525	15	525	17	525	15	525	15
550	31	550	20	550	19	550	17	550	16	550	18	550	16	550	17
575	42	575	22	575	22	575	20	575	18	575	20	575	18	575	19
600	57	600	26	600	26	600	22	600	20	600	22	600	21	600	22
625	78	625	31	625	31	625	26	625	22	625	24	625	24	625	24
650	103	650	37	650	37	650	29	650	24	650	27	650	26	650	25
675	128	675	44	675	44	675	35	675	26	675	30	675	30	675	27
680	133	700	53	700	52	700	42	700	30	700	33	700	33	700	30
		725	64	725	63	725	51	725	34	725	38	725	37	725	34
		730	67	750	77	750	63	750	41	750	43	750	42	750	40
				775	94	775	77	775	48	775	50	775	48	775	47
				780	98	800	95	800	57	800	58	800	55	800	56
						825	116	825	68	825	67	825	63	825	65
						840	131	850	82	850	78	850	71	850	77
								875	98	875	91	875	81	875	90
								890	109	900	105	900	93	900	105
										910	112	925	107	925	123
												930	110	950	145

**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	79														
175	67	180	61												
200	58	200	54	220	65										
225	50	225	46	225	63	240	67								
250	43	250	39	250	54	250	64								
275	37	275	33	275	46	275	57	280	106						
300	33	300	29	300	38	300	51	300	92	310	100				
325	29	325	25	325	32	325	44	325	77	325	89	340	76		
350	26	350	22	350	27	350	38	350	63	350	73	350	70	370	72
375	23	375	19	375	23	375	32	375	52	375	60	375	56	375	70
400	22	400	16	400	20	400	27	400	43	400	48	400	45	400	59
425	21	425	15	425	17	425	23	425	35	425	39	425	36	425	49
450	20	450	14	450	15	450	20	450	28	450	31	450	30	450	41
475	21	475	14	475	15	475	18	475	23	475	26	475	26	475	34
500	23	500	14	500	14	500	16	500	19	500	21	500	23	500	28
525	25	525	16	525	15	525	15	525	16	525	17	525	20	525	23
550	29	550	18	550	16	550	14	550	14	550	14	550	17	550	19
575	33	575	21	575	17	575	14	575	13	575	12	575	14	575	15
600	38	600	25	600	19	600	15	600	12	600	11	600	13	600	13
625	42	625	31	625	21	625	16	625	13	625	11	625	12	625	12
650	42	650	37	650	24	650	18	650	14	650	13	650	12	650	11
675	43	675	45	675	29	675	22	675	17	675	15	675	13	675	11
700	49	700	54	700	35	700	27	700	21	700	19	700	14	700	12
		725	64	725	43	725	34	725	25	725	23	725	17	725	15
		750	77	750	53	750	42	750	31	750	30	750	21	750	18
		775	91	775	64	775	52	775	38	775	38	775	25	775	22
		780	94	800	78	800	64	800	47	800	47	800	32	800	28
						825	78	825	57	825	58	825	41	825	34
						830	81	850	69	850	68	850	50	850	41
								860	74	875	80	875	58	875	50
										890	87	900	67	900	63
												920	76	925	79
														950	102

**Table 234. Science Scale Scores and Associated Standard Errors**

SC 5		SC 8		SC 10	
SS	SE	SS	SE	SS	SE
300	44	300	48	300	60
325	36	325	39	325	47
350	30	350	32	350	36
375	25	375	26	375	28
400	21	400	22	400	23
425	19	425	19	425	19
450	17	450	17	450	17
475	16	475	15	475	15
500	15	500	13	500	14
525	15	525	13	525	14
550	15	550	13	550	13
575	16	575	14	575	12
600	18	600	15	600	13
625	20	625	17	625	15
650	22	650	20	650	18
675	27	675	23	675	22
700	33	700	26	700	26
725	41	725	30	725	32
750	50	750	35	750	39
775	60	775	41	775	47
800	71	800	49	800	57
825	84	825	60	825	68
850	99	850	73	850	81
875	116	875	88	875	97
900	136	900	106	900	114

**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 2011 CSAP 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**

<b>Grade</b>	<b>Score Reporting Category (SRC)</b>	<b>Number of items in the SRC</b>	<b>Number of PI</b>	<b>Number of PI Assessed</b>	<b>% of PI Assessed</b>
3	1	40	7	6	86%
	2	21	5	2	40%
	3	32	5	5	100%
4	1	28	8	7	88%
	2	21	5	4	80%
	3	32	5	5	100%
	4	14	5	5	100%
	5	14	6	4	67%
	6	13	4	3	75%
5	1	25	7	5	71%
	2	21	7	7	100%
	3	32	5	5	100%
	4	17	5	4	80%
	5	15	7	6	86%
	6	13	4	3	75%
6	1	27	7	7	100%
	2	21	7	6	86%
	3	32	5	5	100%
	4	16	5	5	100%
	5	14	7	4	57%
	6	12	4	3	75%
7	1	23	9	6	67%
	2	21	8	6	75%
	3	32	6	5	83%
	4	18	5	3	60%
	5	15	7	4	57%
	6	14	4	3	75%
8	1	26	7	5	71%
	2	19	7	5	71%
	3	32	6	5	83%
	4	16	5	5	100%
	5	17	6	4	67%
	6	11	4	3	75%



**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
9	1	22	7	5	71%
	2	20	8	5	63%
	3	32	6	5	83%
	4	13	5	4	80%
	5	17	6	5	83%
	6	17	5	4	80%
10	1	22	7	6	86%
	2	20	8	4	50%
	3	32	5	5	100%
	4	16	6	4	67%
	5	19	6	5	83%
	6	13	4	3	75%

**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	14	93%
	6	7	9	7	78%
4	1	14	11	11	100%
	2	9	6	6	100%
	3	11	6	6	100%
	4/5	21	15	14	93%
	6	14	10	8	80%
5	1	16	13	12	92%
	2	12	7	6	86%
	3	11	15	8	53%
	4/5	14	22	12	55%
	6	16	12	9	75%
6	1	12	8	8	100%
	2	10	6	5	83%
	3	11	9	7	78%
	4/5	16	17	12	71%
	6	11	8	5	63%
7	1/6	19	18	13	72%
	2	12	5	5	100%
	3	12	9	9	100%
	4/5	17	14	14	100%
8	1/6	15	10	8	80%
	2	15	6	6	100%
	3	12	9	8	89%
	4/5	17	11	9	82%
9	1/6	13	9	8	89%
	2	16	12	12	100%
	3	16	14	10	71%
	4/5	14	9	8	89%
10	1/6	14	10	8	80%
	2	17	14	10	71%
	3	16	22	12	55%
	4/5	13	17	8	47%

**Table 239. Alignment Summary, Science**

<b>Grade</b>	<b>Score Reporting Category (SRC)</b>	<b>Number of items in the SRC</b>	<b>Number of PI</b>	<b>Number of PI Assessed</b>	<b>% of PI Assessed</b>
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	33	22	15	68%
	2	17	27	14	52%
	3	16	24	13	54%
	4	17	24	13	54%
10	1/5	32	24	19	79%
	2	16	14	10	71%
	3	15	28	14	50%
	4	17	19	14	74%

**Table 240. Alignment Summary, Spanish Reading and Writing**

<b>Grade</b>	<b>Score Reporting Category (SRC)</b>	<b>Number of items in the SRC</b>	<b>Number of PI</b>	<b>Number of PI Assessed</b>	<b>% of PI Assessed</b>
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 <sup>1</sup>																								
				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	37	CR				+	2063	0.102																			
	4	18	CR	+	554	0.145																						
	4	23	CR				+	1975	0.120								+	118	0.205									
	4	39	CR				+	1975	0.108																			
	4	43	CR				+	1975	0.125																			
	4	108	CR	+	554	0.145																						
	4	113	MC				+	1975	0.120								+	118	0.205									
	5	8	CR				+	1902	0.110																			
	5	24	CR				+	1902	0.107																			
	5	101	MC				+	1902	0.110																			
	6	17	CR				+	1805	0.126																			
	6	45	CR				+	1805	0.133																			
	6	112	CR				+	1805	0.126																			
	7	19	CR				+	1828	0.112																			
	7	24	CR				+	1828	0.188																			
	7	111	MC				+	1828	0.112																			
	8	10	CR				+	1795	0.113																			
	8	15	CR				+	1795	0.112	+	2764	0.106																
	8	21	MC														*	131	-0.103									
	8	26	CR				+	1795	0.107								*	131	-0.128									
	8	38	MC																									
	8	40	CR							+	2764	0.136																
	8	46	CR							+	2764	0.109																
	8	101	MC				+	1795	0.113																			
	8	106	MC				+	1795	0.112	+	2764	0.106																
	8	112	MC														*	131	-0.103									
	9	5	CR							+	2986	0.136																
	9	8	MC														*	127	-0.113									

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 <sup>1</sup>																	
				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
READING	9	11	MC													+	127	0.106			
	9	24	CR				+	1811	0.157												
	9	27	CR				+	1811	0.129												
	9	31	CR				+	1811	0.128												
	9	34	CR				+	1811	0.210				+	17487	0.107		+	127	0.163		
	9	44	CR				+	1811	0.128												
	9	93	CR							+	2986	0.136					*	127	-0.113		
	9	96	CR														+	127	0.106		
	9	99	MC																		
	9	112	MC				+	1811	0.157												
	9	115	MC				+	1811	0.129												
	10	14	CR				+	1814	0.169				+	15869	0.128						
	10	27	CR				+	1814	0.116	+	2855	0.109									
	10	36	MC										*	15869	-0.105						
	10	41	CR				+	1814	0.167												
	10	101	CR				+	1814	0.169				+	15869	0.128						
10	114	MC				+	1814	0.116	+	2855	0.109										
WRITING	4	73	MC				*	1970	-0.103												
	4	81	MC				*	1970	-0.154												
	4	93	CR				+	1970	0.108												
	5	2E	CR													+	143	0.131			
	5	2F	CR													+	143	0.114			
	5	65	CR													*	143	-0.160			
	6	2E	CR													*	137	-0.127			
	6	68	MC				*	1800	-0.106												
	7	59	MC				*	1821	-0.107												
	8	74	MC				*	1788	-0.113							*	131	-0.137			
	9	2D	CR				*	1805	-0.155							*	127	-0.145			

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 <sup>1</sup>																	
				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
W R I T I N G	9	2E	CR													+	127	0.105			
	9	3A	CR				+	1805	0.134												
	9	3B	CR				+	1805	0.129							+	127	0.139			
	9	72	MC				*	1805	-0.124												
	9	91	CR				+	1805	0.156												
	10	69	CR										+	15885	0.101						
	10	90	CR				+	1811	0.132				+	15885	0.107						
M A T H E M A T I C S	3	20	CR							*	2887	-0.116									
	4	13	MC													+	118	0.132			
	4	18	CR				*	1970	-0.140							*	142	-0.109			
	5	13	MC																		
	5	17	CR							+	2983	0.105									
	5	46	CR							*	2983	-0.155									
	5	57	MC													*	142	-0.100			
	5	64	CR							*	2983	-0.101									
	6	15	CR				+	1812	0.101												
	8	40	CR							*	2765	-0.141									
	8	60	CR							+	2765	0.102									
	9	7	CR	*	495	-0.101										+	127	0.192			
	9	60	CR				+	1811	0.115	+	3003	0.121									
	10	7	MC													*	133	-0.108			
	10	16	MC				*	1816	-0.105												
	10	49	CR				*	1816	-0.109												

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 <sup>1</sup>																	
				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
SCIENCE	5	43	MC													+	143	0.111			
	5	57	CR													*	143	-0.108			
	8	22	CR				+	1794	0.175				+	17423	0.132						
	8	33	MC													*	131	-0.113			
	10	15	CR				*	1812	-0.101												
	10	22	CR				+	1812	0.241				+	15915	0.153						
	10	23	CR				+	1812	0.102	+	2857	0.113									
	10	27	CR													*	133	-0.103			
	10	39	CR				+	1812	0.155												

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 <sup>1</sup>					
				Female			Male		
				Flag	N	Obs-Prd	Flag	N	Obs-Prd
Reading	7	24	CR	+	29192	0.142	*	30208	-0.149
	8	15	CR	+	28419	0.135	*	29601	-0.132
	8	106	MC	+	28419	0.135	*	29601	-0.132
	9	34	CR	+	28869	0.122	*	30008	-0.123
	10	7	CR	+	27559	0.115	*	28891	-0.112
	10	14	CR	+	27559	0.114			
	10	94	MC	+	27559	0.115	*	28891	-0.112
	10	101	CR	+	27559	0.114			
Writing	4	69	CR				*	31634	-0.103
	5	65	CR				*	31562	-0.105
	6	80	CR	+	29532	0.124	*	30779	-0.124
	7	72	CR	+	29181	0.114	*	30218	-0.109
	7	95	CR	+	29181	0.102	*	30218	-0.101
	8	72	CR	+	28390	0.109	*	29595	-0.108
	8	94	CR	+	28390	0.106			
	9	65	CR	+	28871	0.102			
	9	91	CR	+	28871	0.113	*	30027	-0.104
	10	69	CR	+	27539	0.122	*	28882	-0.114
Science	8	22	CR	+	28386	0.142	*	29566	-0.111
	8	44	CR	+	28386	0.106			
	10	22	CR	+	27590	0.108			

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 <sup>1</sup>														
				Extended Timing			Oral Script			Scribe			Teacher Read Directions			Other <sup>2</sup>		
				Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd
Reading	3	9	MC							*	121	-0.109						
	3	13	CR							+	121	0.247						
	3	15	MC							+	121	0.145						
	3	23	CR							+	121	0.178						
	4	5	CR							*	141	-0.172						
	4	32	MC													*	52	-0.155
	4	41	CR							+	141	0.127						
	4	48	MC													*	52	-0.138
	4	50	CR							+	141	0.118				*	52	-0.152
	4	95	MC							*	141	-0.172						
	5	4	MC							*	164	-0.111						
	5	31	CR	+	6292	0.115												
	5	51	CR	+	6292	0.109												
	5	53	MC							+	164	0.134						
	5	97	CR							*	164	-0.111						
	6	26	MC							+	105	0.117						
	6	34	CR	+	5511	0.119												
	7	18	CR							+	97	0.201						
	7	28	MC							*	97	-0.127						
	7	44	MC							+	97	0.133						
	7	110	MC							+	97	0.201						
	9	5	CR							*	58	-0.247						
	9	24	CR							*	58	-0.230						
	9	28	MC							+	58	0.144						
	9	34	CR	+	2577	0.110							+	778	0.106			
	9	93	CR							*	58	-0.247						
	9	112	MC							*	58	-0.230						

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 <sup>1</sup>														
				Extended Timing			Oral Script			Scribe			Teacher Read Directions			Other <sup>2</sup>		
				Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd
Reading	10	14	CR	+	2137	0.136												
	10	37	CR	+	2137	0.114							+	559	0.152			
	10	101	CR	+	2137	0.136												
Writing	3	1A	CR							*	130	-0.145						
	3	1D	CR							*	130	-0.108						
	3	1E	CR							*	130	-0.147						
	3	2	MC													*	84	-0.222
	3	7	MC													*	84	-0.227
	3	9	MC													*	84	-0.177
	3	10D	CR							+	130	0.175						
	3	19	MC				+	6665	0.117	+	130	0.119						
	3	20	MC				+	6665	0.103									
	3	27D	CR							+	130	0.200						
	3	39A	CR							+	130	0.157						
	3	39C	CR													+	84	0.132
	3	39D	CR							+	130	0.156						
	4	3C	CR							+	148	0.154						
	4	53	MC							*	148	-0.104						
	4	58	MC							+	148	0.103						
	4	62	MC													*	77	-0.168
	4	71	MC				+	6132	0.103									
	4	72	MC				+	6132	0.107									
	4	87	MC							*	148	-0.114						
	4	88	MC				+	6132	0.148									
	4	93	CR							+	148	0.252						
	5	2C	CR													*	116	-0.138
	5	2F	CR				*	5376	-0.142							*	116	-0.137

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 <sup>1</sup>														
				Extended Timing			Oral Script			Scribe			Teacher Read Directions			Other <sup>2</sup>		
				Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd
Writing	5	3B	CR				*	5376	-0.100									
	5	3C	CR							+	152	0.164						
	5	56	MC													*	116	-0.155
	5	57	MC													+	116	0.389
	5	65	CR													*	116	-0.225
	5	68	MC				+	5376	0.110							+	116	0.107
	5	71	MC													+	116	0.225
	5	75	MC													+	116	0.107
	5	76	MC													*	116	-0.154
	5	77	MC													+	116	0.123
	5	80	MC													+	116	0.122
	5	83	MC				+	5376	0.112									
	5	88	MC													*	116	-0.167
	5	89	MC				+	5376	0.105							+	116	0.165
	5	95	MC				+	5376	0.114							+	116	0.172
	6	2D	CR				*	3386	-0.104	*	103	-0.192				+	202	0.114
	6	2E	CR													*	202	-0.105
	6	3B	CR				*	3386	-0.109									
	6	3C	CR				*	3386	-0.102									
	6	58	MC													*	202	-0.133
	6	60	MC							+	103	0.110						
	6	66	MC													*	202	-0.125
	6	75	MC													+	202	0.145
	6	77	MC							+	103	0.126						
	6	86	MC				+	3386	0.108									
	6	92	MC				+	3386	0.121									
	6	98	CR	+	3799	0.106	+	3386	0.111				+	1291	0.156			

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 <sup>1</sup>														
				Extended Timing			Oral Script			Scribe			Teacher Read Directions			Other <sup>2</sup>		
				Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd
Writing	7	2B	CR				*	2556	-0.101							*	155	-0.177
	7	2E	CR				*	2556	-0.105							*	155	-0.157
	7	3A	CR													+	155	0.228
	7	54	MC													*	155	-0.113
	7	58	MC													*	155	-0.139
	7	60	MC				+	2556	0.111									
	7	72	CR										+	1161	0.106			
	7	83	MC													+	155	0.131
	7	85	MC													+	155	0.111
	7	89	MC													+	155	0.127
	7	91	MC													*	155	-0.202
	7	92	MC													*	155	-0.165
	7	93	MC				+	2556	0.107									
	7	95	CR	+	3249	0.145	+	2556	0.118				+	1161	0.202	+	155	0.310
	8	2C	CR				*	1993	-0.119									
	8	54	MC							+	97	0.120						
	8	63	MC							*	97	-0.189						
	8	72	CR	+	3114	0.127							+	954	0.123			
	8	77	MC													*	127	-0.216
	8	81	MC													+	127	0.132
	8	83	MC													+	127	0.138
	8	89	MC							*	97	-0.187						
	8	90	MC													*	127	-0.111
8	94	CR	+	3114	0.158	+	1993	0.154				+	954	0.162	+	127	0.278	
9	1	CR							*	60	-0.105							
9	2A	CR													+	302	0.189	
9	2C	CR				*	994	-0.148	*	60	-0.174							

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 <sup>1</sup>														
				Extended Timing			Oral Script			Scribe			Teacher Read Directions			Other <sup>2</sup>		
				Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd
Writing	9	2E	CR				*	994	-0.106									
	9	3B	CR				*	994	-0.124									
	9	51	MC													*	302	-0.220
	9	55	MC													+	302	0.111
	9	57	MC													*	302	-0.161
	9	67	MC				+	994	0.111									
	9	77	MC				+	994	0.114									
	9	84	MC				+	994	0.113									
	9	89	MC															
	9	91	CR	+	2006	0.138										+	302	0.101
	10	2A	CR													+	302	0.239
	10	2B	CR													*	267	-0.102
	10	2E	CR													*	267	-0.131
	10	2F	CR													+	267	0.114
	10	3A	CR				*	756	-0.140							*	267	-0.261
	10	3A	CR							*	66	-0.160						
	10	3B	CR				*	756	-0.105									
	10	3C	CR				*	756	-0.139									
	10	52	MC										*	337	-0.109			
	10	59	MC							+	66	0.134						
	10	64	MC													+	267	0.133
	10	69	CR							*	66	-0.202				*	267	-0.173
	10	72	MC															
	10	74	MC				+	756	0.131									
	10	75	MC				+	756	0.127									
	10	77	MC										*	337	-0.100			
	10	88	MC				+	756	0.112									
	10	90	CR	+	1594	0.138							+	337	0.145			
	10	116	CR													+	267	0.133

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 <sup>1</sup>														
				Extended Timing			Oral Script			Scribe			Teacher Read Directions			Other <sup>2</sup>		
				Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd
Mathematics	3	10	CR				*	7044	-0.105									
	3	15	CR				+	7044	0.155							+	572	0.162
	3	16	MC							*	104	-0.108						
	3	23	CR				+	7044	0.175									
	3	30	CR													+	572	0.109
	3	31	MC							+	104	0.101						
	3	40	CR							+	104	0.194						
	4	3	MC													*	162	-0.102
	4	7	MC													*	162	-0.125
	4	16	MC							*	122	-0.142						
	4	22	MC							+	122	0.139						
	4	23	CR							+	122	0.240				+	162	0.204
	4	24	MC													*	162	-0.108
	4	27	CR				+	6716	0.200							+	162	0.185
	4	33	MC													+	162	0.100
	4	39	MC													+	162	0.103
	4	40	MC													*	162	-0.133
	4	41	CR										+	1261	0.106			
	4	44	MC													*	162	-0.162
	4	46	CR	*	2536	-0.100	*	6716	-0.204	*	122	-0.348				*	162	-0.588
	4	52	CR													*	162	-0.145
	4	54	MC							*	122	-0.105				*	162	-0.139
	4	56	CR				*	6716	-0.132	+	122	0.242						
	4	58	MC							*	122	-0.103						
	4	67	MC													+	162	0.129
	4	69	CR				+	6716	0.140							+	162	0.267
	5	5	MC													*	127	-0.128

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 <sup>1</sup>														
				Extended Timing			Oral Script			Scribe			Teacher Read Directions			Other <sup>2</sup>		
				Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd
Mathematics	5	8	MC													+	127	0.103
	5	15	CR				*	5744	-0.114							*	127	-0.173
	5	22	MC				*	5744	-0.158									
	5	23	CR															
	5	24	MC							+	149	0.119						
	5	26	MC													+	127	0.108
	5	30	MC													*	127	-0.134
	5	42	MC													+	127	0.148
	5	44	MC													+	127	0.141
	5	46	CR													+	127	0.273
	5	49	MC													+	127	0.170
	5	50	CR							+	149	0.176						
	5	53	MC													+	127	0.129
	5	55	CR				*	5744	-0.121									
	5	57	MC							+	149	0.152						
	5	67	MC													*	127	-0.111
	6	5	MC													+	199	0.120
	6	9	MC													*	199	-0.131
	6	10	CR				*	3589	-0.138							*	199	-0.241
	6	15	CR							+	92	0.171						
	6	17	MC													+	199	0.134
	6	21	MC							*	92	-0.114						
	6	24	MC							+	92	0.114						
	6	33	CR				*	3589	-0.102	*	92	-0.259				+	199	0.236
	6	35	MC													+	199	0.114
	6	39	MC													+	199	0.127
	6	42	MC													+	199	0.124

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 <sup>1</sup>														
				Extended Timing			Oral Script			Scribe			Teacher Read Directions			Other <sup>2</sup>		
				Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd
Mathematics	6	44	CR													*	199	-0.187
	6	59	MC				+	3589	0.101							+	199	0.130
	7	5	MC													*	168	-0.106
	7	13	MC													*	168	-0.109
	7	20	CR				+	2748	0.109									
	7	34	CR													*	168	-0.166
	7	36	MC				+	2748	0.105							+	168	0.110
	7	37	MC													+	168	0.114
	7	39	MC													+	168	0.131
	7	42	MC									*	1085	-0.104	*	168	-0.118	
	7	43	CR							*	78	-0.200						
	7	47	CR									+	1085	0.113	+	168	0.281	
	7	50	MC													+	168	0.160
	7	55	MC													*	168	-0.124
	7	60	CR				*	2748	-0.102							*	168	-0.162
	8	3	CR				*	2118	-0.138									
	8	17	MC													*	155	-0.118
	8	20	CR													+	155	0.138
	8	28	CR													*	155	-0.131
	8	36	MC													*	155	-0.113
	8	40	CR													+	155	0.208
	8	53	MC													*	155	-0.130
	8	54	CR				*	2118	-0.103									
	8	60	CR				+	2118	0.130				+	978	0.104			
	9	10	CR													*	258	-0.107
	9	11	MC													+	258	0.109
	9	16	MC													*	258	-0.120

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 <sup>1</sup>														
				Extended Timing			Oral Script			Scribe			Teacher Read Directions			Other <sup>2</sup>		
				Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd
Mathematics	9	20	CR				*	1099	-0.163				*	531	-0.138	*	258	-0.210
	9	34	CR										*			*	258	-0.142
	9	53	CR				*	1099	-0.123				*	531	-0.129	*	258	-0.136
	9	60	CR	+	1914	0.116	+	1099	0.245				+	531	0.207	+	258	0.278
	10	15	MC				*	838	-0.110									
	10	20	CR													+	271	0.132
	10	28	CR													*	271	-0.114
	10	49	CR													*	271	-0.168
	10	51	MC							*	54	-0.169						
	10	52	MC							+	54	0.175						
	10	58	MC													+	271	0.101
	10	60	CR													+	271	0.144
Science	5	3	MC							*	160	-0.128				*	127	-0.115
	5	12	MC													*	127	-0.141
	5	34	CR													+	127	0.113
	5	52	MC															
	5	53	MC							*	160	-0.101				*	127	-0.226
	5	54	CR				*	5652	-0.211	*	160	-0.159				*	127	-0.187
	5	57	CR				*	5652	-0.146							*	127	-0.184
	5	58	MC													+	127	0.227
	5	62	MC				+	5652	0.136									
	5	68	CR							+	160	0.184						
	5	70	MC													+	127	0.136
	5	71	MC													+	127	0.171
	5	73	CR													+	127	0.130
	8	4	MC													+	158	0.106
	8	7	MC													*	158	-0.115

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 <sup>1</sup>														
				Extended Timing			Oral Script			Scribe			Teacher Read Directions			Other <sup>2</sup>		
				Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd
Science	8	15	MC													+	158	0.124
	8	22	CR							*	76	-0.323				+	158	0.332
	8	27	MC													*	158	-0.182
	8	31	CR													*	158	-0.126
	8	38	MC													+	158	0.161
	8	44	CR										*	911	-0.107	*	158	-0.181
	8	49	MC													+	158	0.127
	8	53	MC													*	158	-0.122
	8	56	MC				*	2127	-0.105									
	8	57	CR				*	2127	-0.127							*	158	-0.223
	8	60	MC													+	158	0.145
	8	64	CR													+	158	0.114
	8	76	CR													+	158	0.164
	8	82	MC							*	76	-0.125						
	10	9	CR													*	263	-0.116
	10	15	CR													*	263	-0.109
	10	22	CR	*	1376	-0.174	*	833	-0.265	*	55	-0.556	*	345	-0.278			
	10	23	CR										*	345	-0.125			
	10	67	MC							*	55	-0.199						

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 <sup>1</sup>														
				Emotional			Specific Learning Disability			Physical			Speech/Language			Other <sup>2</sup>		
				Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd
Reading	3	13	CR	*	341	-0.211				*	571	-0.149				*	401	-0.171
	3	16	CR	*	341	-0.149				*	571	-0.101						
	3	23	CR	*	341	-0.157				*	571	-0.117						
	3	31	CR	*	341	-0.218				*	571	-0.191				*	401	-0.173
	3	37	CR	*	341	-0.156				*	571	-0.107						
	4	5	CR													*	398	-0.124
	4	20	CR	*	396	-0.223				*	674	-0.128						
	4	23	CR	*	396	-0.209				*	674	-0.125						
	4	30	CR	*	396	-0.127												
	4	33	CR	*	396	-0.163				*	674	-0.116						
	4	43	CR	*	396	-0.168				*	674	-0.117				*	398	-0.121
	4	95	MC													*	398	-0.124
	4	110	MC	*	396	-0.223				*	674	-0.128						
	4	113	MC	*	396	-0.209				*	674	-0.125						
	5	8	CR	*	473	-0.114										*	414	-0.100
	5	14	CR							*	769	-0.130						
	5	24	CR	*	473	-0.182				*	769	-0.106				*	414	-0.134
	5	27	CR	*	473	-0.103	*	3320	-0.101									
	5	29	CR							+	769	0.124				+	414	0.158
	5	31	CR	*	473	-0.209				*	769	-0.148				*	414	-0.205
	5	51	CR	*	473	-0.125												
	5	101	MC	*	473	-0.114										*	414	-0.100
	5	107	MC							*	769	-0.130						
	6	11	CR	*	445	-0.212				*	732	-0.188						
	6	17	CR	*	445	-0.242				*	732	-0.170						
	6	18	CR	*	445	-0.183				*	732	-0.160						
	6	24	CR	*	445	-0.142												

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 <sup>1</sup>														
				Emotional			Specific Learning Disability			Physical			Speech/Language			Other <sup>2</sup>		
				Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd
Reading	6	34	CR	*	445	-0.278				*	732	-0.154				*	405	-0.288
	6	39	CR	*	445	-0.131												
	6	45	CR	*	445	-0.100												
	6	54	MC							+	732	0.101						
	6	106	MC	*	445	-0.212				*	732	-0.188						
	6	112	CR	*	445	-0.242				*	732	-0.170						
	6	113	MC	*	445	-0.183				*	732	-0.160						
	7	4	CR	*	540	-0.227				*	792	-0.142				*	414	-0.116
	7	13	CR	*	540	-0.103										*	414	-0.113
	7	18	CR	*	540	-0.175										*	414	-0.135
	7	19	CR	*	540	-0.113				*	792	-0.113						
	7	24	CR	*	540	-0.205				*	792	-0.184				*	414	-0.163
	7	35	CR													*	414	-0.107
	7	96	MC	*	540	-0.227				*	792	-0.142				*	414	-0.116
	7	105	MC	*	540	-0.103										*	414	-0.113
	7	110	MC	*	540	-0.175										*	414	-0.135
	7	111	MC	*	540	-0.113				*	792	-0.113						
	8	6	CR													*	373	-0.167
	8	10	CR	*	555	-0.175				*	773	-0.118						
	8	15	CR	*	555	-0.177				*	773	-0.111						
	8	27	CR	*	555	-0.132												
	8	40	CR	*	555	-0.147				*	773	-0.101						
	8	97	MC													*	373	-0.167
	8	101	MC	*	555	-0.175				*	773	-0.118						
	8	106	MC	*	555	-0.177				*	773	-0.111						
	9	5	CR	*	604	-0.158				*	770	-0.137				*	371	-0.204
	9	18	CR	*	604	-0.147												

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 <sup>1</sup>														
				Emotional			Specific Learning Disability			Physical			Speech/Language			Other <sup>2</sup>		
				Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd
Reading	9	24	CR	*	604	-0.108												
	9	27	CR										+	282	0.139			
	9	31	CR	*	604	-0.102												
	9	34	CR	*	604	-0.168				*	770	-0.113						
	9	44	CR	*	604	-0.130												
	9	93	CR	*	604	-0.158				*	770	-0.137				*	371	-0.204
	9	106	MC	*	604	-0.147												
	9	112	MC	*	604	-0.108												
	9	115	MC										+	282	0.139			
	10	12	CR	*	592	-0.140												
	10	13	MC	+	592	0.156				+	713	0.126						
	10	14	CR	*	592	-0.245												
	10	19	CR	*	592	-0.184												
	10	35	MC	+	592	0.112												
	10	36	MC	+	592	0.112												
	10	41	CR	*	592	-0.173												
	10	99	MC	*	592	-0.140												
	10	100	MC	+	592	0.156				+	713	0.126						
	10	101	CR	*	592	-0.245												
	10	106	MC	*	592	-0.184												
Writing	3	2	MC	+	346	0.104												
	3	7	MC	+	346	0.126												
	3	10A	CR	*	346	-0.118												
	3	10C	CR	*	346	-0.112												
	3	20	MC				+	2451	0.107									
	3	27A	CR	*	346	-0.133												
	3	27C	CR	*	346	-0.143												

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 <sup>1</sup>														
				Emotional			Specific Learning Disability			Physical			Speech/Language			Other <sup>2</sup>		
				Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd
Writing	3	27D	CR				*	2451	-0.110									
	3	38	MC	+	346	0.113												
	3	39A	CR	*	346	-0.105												
	3	39C	CR	*	346	-0.105												
	4	3A	CR	*	397	-0.162				*	681	-0.124						
	4	3B	CR	*	397	-0.165	*	3106	-0.114	*	681	-0.193						
	4	3C	CR				*	3106	-0.129	*	681	-0.121						
	4	52	MC	+	397	0.143												
	4	54	MC							+	681	0.105						
	4	69	CR	*	397	-0.325				*	681	-0.235				*	403	-0.157
	4	82	MC													*	403	-0.111
	4	83	MC	+	397	0.104												
	4	88	MC				+	3106	0.115									
	4	93	CR	*	397	-0.166				*	681	-0.112						
	5	2F	CR				*	3327	-0.180									
	5	3A	CR	*	475	-0.113												
	5	3B	CR	*	475	-0.163				*	771	-0.107				*	419	-0.147
	5	55	MC													+	419	0.123
	5	65	CR	*	475	-0.347				*	771	-0.189				*	419	-0.253
	5	68	MC				+	3327	0.106									
	5	96	CR	*	475	-0.203				*	771	-0.104				*	419	-0.171
	6	2D	CR				*	3475	-0.140									
	6	3A	CR	*	450	-0.156										*	404	-0.138
	6	3B	CR	*	450	-0.173										*	404	-0.183
	6	79	MC	+	450	0.101												
	6	80	CR	*	450	-0.284				*	736	-0.171				*	404	-0.124
	6	98	CR	*	450	-0.181	+	3475	0.132									

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 <sup>1</sup>														
				Emotional			Specific Learning Disability			Physical			Speech/Language			Other <sup>2</sup>		
				Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd
Writing	7	3A	CR	*	547	-0.213				*	791	-0.140				*	414	-0.144
	7	3B	CR	*	547	-0.220				*	791	-0.144				*	414	-0.168
	7	72	CR	*	547	-0.222				*	791	-0.131				*	414	-0.113
	7	90	MC	+	547	0.106												
	7	92	MC							+	791	0.100						
	7	95	CR	*	547	-0.243	+	3253	0.112							*	372	-0.203
	8	3A	CR	*	558	-0.202				*	773	-0.104				*	372	-0.151
	8	3B	CR	*	558	-0.214				*	773	-0.116				*	372	-0.151
	8	72	CR	*	558	-0.266				*	773	-0.126	+	376	0.117	*	372	-0.106
	8	94	CR	*	558	-0.246	+	3023	0.142				+	376	0.126			
	9	2C	CR				*	2812	-0.116				*	281	-0.132			
	9	2E	CR				*	2812	-0.107									
	9	3A	CR	*	610	-0.117										*	373	-0.114
	9	3B	CR	*	610	-0.146				*	773	-0.130				*	373	-0.137
	9	51	MC										*	281	-0.136			
	9	65	CR	*	610	-0.233										*	373	-0.144
	9	91	CR	*	610	-0.218	+	2812	0.142	*	773	-0.109	+	281	0.170	*	373	-0.142
	10	3A	CR	*	590	-0.100										*	342	-0.189
	10	3B	CR	*	590	-0.128				*	715	-0.106				*	342	-0.152
	10	3C	CR	*	590	-0.104												
	10	69	CR	*	590	-0.248				*	715	-0.117	+	199	0.192	*	342	-0.140
	10	90	CR	*	590	-0.269	+	2571	0.120	*	715	-0.110	+	199	0.234			
Mathematics	3	10	CR				*	2516	-0.109	*	573	-0.110						
	3	23	CR	+	353	0.101	+	2516	0.186	+	573	0.159						
	4	23	CR	+	406	0.111												
	4	27	CR	+	406	0.111	+	3111	0.156									
	4	35	CR	*	406	-0.122												

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 <sup>1</sup>														
				Emotional			Specific Learning Disability			Physical			Speech/Language			Other <sup>2</sup>		
				Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd
Mathematics	4	37	CR													+	409	0.169
	4	46	CR				*	3111	-0.260	*	684	-0.196						
	4	56	CR	*	406	-0.137	*	3111	-0.116	*	684	-0.115	*	1367	-0.136			
	5	3	CR													*	429	-0.133
	5	15	CR				*	3339	-0.110							*	429	-0.109
	5	17	CR													+	429	0.113
	5	23	CR				*	3339	-0.176									
	5	24	MC	+	480	0.111												
	5	31	CR	*	480	-0.122	*	3339	-0.122	*	769	-0.135						
	5	46	CR													+	429	0.148
	5	53	MC				+	3339	0.102							+	429	0.105
	5	55	CR	*	480	-0.124							*	1001	-0.159	*	429	-0.135
	5	60	CR													*	429	-0.113
	5	69	CR	*	480	-0.123												
	6	10	CR										*	759	-0.108	*	404	-0.107
	6	15	CR										+	759	0.129	+	404	0.166
	6	20	CR	+	453	0.118										+	404	0.243
	6	33	CR				*	3480	-0.122	*	736	-0.138				*	404	-0.190
	6	39	MC	*	453	-0.110												
	6	44	CR													*	404	-0.127
	6	47	CR	+	453	0.103												
	6	58	CR	*	453	-0.139												
	7	20	CR													+	416	0.108
	7	22	MC										*	504	-0.101			
	7	36	MC				+	3267	0.102							+	416	0.103
	7	56	CR	*	551	-0.263				*	790	-0.141	*	504	-0.101	*	416	-0.203
	7	60	CR	*	551	-0.200				*	790	-0.111				*	416	-0.162

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 <sup>1</sup>														
				Emotional			Specific Learning Disability			Physical			Speech/Language			Other <sup>2</sup>		
				Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd
Mathematics	8	3	CR				*	3032	-0.102									
	8	35	CR	*	563	-0.103										*	368	-0.125
	8	45	CR	+	563	0.122												
	8	48	CR							+	770	0.121						
	8	54	CR	*	563	-0.204	*	3032	-0.101	*	770	-0.115						
	8	58	MC	+	563	0.107												
	8	60	CR													+	368	0.165
	9	20	CR	*	612	-0.160							*	282	-0.116	*	368	-0.137
	9	23	CR	+	612	0.163												
	9	34	CR													*	368	-0.106
	9	53	CR	*	612	-0.156				*	776	-0.118	*	282	-0.114	*	368	-0.107
	9	60	CR				+	2812	0.156				+	282	0.264			
	10	27	MC										+	202	0.112			
	10	30	MC	+	603	0.107												
	10	49	CR										*	202	-0.172	*	342	-0.113
	10	60	CR	*	603	-0.121												
Science	5	8	MC													+	419	0.113
	5	12	MC	*	482	-0.122												
	5	15	MC	+	482	0.105												
	5	23	CR													*	419	-0.116
	5	54	CR	*	482	-0.150	*	3333	-0.206	*	772	-0.186	*	1003	-0.177	*	419	-0.109
	5	57	CR	*	482	-0.189	*	3333	-0.148	*	772	-0.180				*	419	-0.127
	5	62	MC				+	3333	0.108									
	5	64	MC													+	419	0.103
	8	14	CR	+	559	0.102				+	769	0.100						
	8	22	CR	*	559	-0.500	*	3009	-0.195	*	769	-0.352				*	369	-0.294
	8	44	CR							*	769	-0.104				*	369	-0.192

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 <sup>1</sup>														
				Emotional			Specific Learning Disability			Physical			Speech/Language			Other <sup>2</sup>		
				Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd
Science	8	47	CR	*	559	-0.159	*	3009	-0.105	*	769	-0.141						
	8	57	CR										*	378	-0.106	*	369	-0.196
	10	15	CR	+	601	0.124												
	10	22	CR	*	601	-0.548	*	2596	-0.217	*	707	-0.383				*	345	-0.398
	10	24	CR	*	601	-0.103				*	707	-0.128						
	10	58	CR	*	601	-0.110												
	10	67	MC										+	203	0.122			

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 <sup>1</sup>								
				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	9	91	CR							*	9902	-0.107
Mathematics	7	60	CR				*	7354	-0.123			
Science	8	22	CR				*	6999	-0.148			
	10	22	CR	*	10628	-0.163	*	7184	-0.197	*	9252	-0.198

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 <sup>1</sup>														
				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	3	MC	*	506	-0.131												
	3	16	CR	+	506	0.169	+	10755	0.107				+	7599	0.144			
	3	20	CR	+	506	0.108												
	3	37	CR	+	506	0.137				+	1528	0.108	+	7599	0.106			
	4	12	MC	*	846	-0.115												
	4	20	CR	+	846	0.211				+	2573	0.109	+	7529	0.105			
	4	23	CR	+	846	0.228	+	11213	0.126	+	2573	0.111	+	7529	0.161			
	4	33	CR	+	846	0.144												
	4	43	CR	+	846	0.152	+	11213	0.127	+	2573	0.117	+	7529	0.153			
	4	102	MC	*	846	-0.115												
	4	110	MC	+	846	0.211				+	2573	0.109	+	7529	0.105			
	4	113	MC	+	846	0.228	+	11213	0.126	+	2573	0.111	+	7529	0.161			
	5	20	MC	*	613	-0.101												
	5	24	CR				+	10990	0.126				+	6795	0.163			
	5	27	CR	+	613	0.158												
	5	31	CR	+	613	0.276	+	10990	0.123	+	3480	0.129	+	6795	0.167			
	5	32	MC							*	3480	-0.106						
	5	43	CR													+	1295	0.140
	5	52	MC							*	3480	-0.116						
	5	113	CR	*	613	-0.101												
	6	11	CR										+	5293	0.107			
	6	13	MC	*	386	-0.133	*	10225	-0.101	*	4402	-0.130						
	6	17	CR	+	386	0.179	+	10225	0.148	+	4402	0.137	+	5293	0.159	+	893	0.154
	6	18	CR	+	386	0.183				+	4402	0.125				*	893	-0.108
	6	33	MC															
	6	34	CR	+	386	0.164	+	10225	0.152	+	4402	0.167	+	5293	0.173			
	6	35	MC							*	4402	-0.118						
	6	45	CR	+	386	0.112				+	4402	0.116						
	6	47	MC	*	386	-0.112				*	4402	-0.144						
	6	106	MC										+	5293	0.107			

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 <sup>1</sup>														
				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	6	108	MC	*	386	-0.133	*	10225	-0.101	*	4402	-0.130						
	6	112	CR	+	386	0.179	+	10225	0.148	+	4402	0.137	+	5293	0.159	+	893	0.154
	6	113	MC	+	386	0.183				+	4402	0.125						
	7	4	CR	+	288	0.181	+	9947	0.129				+	4651	0.188			
	7	8	MC	*	288	-0.163	*	9947	-0.120	*	4836	-0.145	*	4651	-0.110			
	7	12	CR										*	4651	-0.105	+	724	0.119
	7	13	CR													*	724	-0.276
	7	18	CR													*	724	-0.144
	7	19	CR							+	4836	0.125						
	7	24	CR				+	9947	0.159	+	4836	0.213	+	4651	0.116			
	7	35	CR													*	724	-0.136
	7	42	MC							*	4836	-0.117						
	7	47	CR										+	4651	0.100	+	724	0.156
	7	51	MC	+	288	0.105												
	7	96	MC	+	288	0.181	+	9947	0.129				+	4651	0.188			
	7	100	MC	*	288	-0.163	*	9947	-0.120	*	4836	-0.145	*	4651	-0.110			
	7	104	MC										*	4651	-0.105	+	724	0.119
	7	105	MC													*	724	-0.276
	7	110	MC													*	724	-0.144
	7	111	MC							+	4836	0.125						
	8	4	MC	*	305	-0.162										*	640	-0.194
	8	9	MC										*	3631	-0.101			
	8	10	CR				+	9292	0.130	+	5303	0.109	+	3631	0.154	+	640	0.146
	8	11	MC	*	305	-0.215	*	9292	-0.169	*	5303	-0.181	*	3631	-0.171			
	8	14	MC							*	5303	-0.107						
	8	15	CR	+	305	0.186	+	9292	0.177	+	5303	0.160	+	3631	0.202	+	640	0.182
	8	16	MC	*	305	-0.102							*	3631	-0.143			
	8	17	MC	+	305	0.102												
8	26	CR													+	640	0.117	
8	28	MC										*	3631	-0.110	*	640	-0.130	

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 <sup>1</sup>														
				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	31	MC							*	5303	-0.101						
	8	40	CR				+	9292	0.107	+	5303	0.183				*	640	-0.295
	8	41	MC													*	640	-0.111
	8	46	CR										+	3631	0.139	+	640	0.351
	8	47	CR	+	305	0.126												
	8	49	MC													+	640	0.107
	8	95	CR	*	305	-0.162										*	640	-0.194
	8	100	MC										*	3631	-0.101			
	8	101	MC				+	9292	0.130	+	5303	0.109	+	3631	0.154	+	640	0.146
	8	102	MC	*	305	-0.215	*	9292	-0.169	*	5303	-0.181	*	3631	-0.171			
	8	105	MC							*	5303	-0.107						
	8	106	MC	+	305	0.186	+	9292	0.177	+	5303	0.160	+	3631	0.202	+	640	0.182
	8	107	MC	*	305	-0.102							*	3631	-0.143			
	8	108	MC	+	305	0.102												
	9	5	CR				+	8988	0.117	+	5077	0.222				*	835	-0.430
	9	6	MC													*	835	-0.124
	9	7	MC													*	835	-0.104
	9	24	CR	+	217	0.245	+	8988	0.147	+	5077	0.142	+	3268	0.159	+	835	0.158
	9	25	MC	*	217	-0.112				*	5077	-0.100						
	9	27	CR										+	3268	0.111			
	9	31	CR				+	8988	0.125	+	5077	0.104	+	3268	0.143	+	835	0.181
	9	34	CR	+	217	0.215	+	8988	0.229	+	5077	0.190	+	3268	0.275	+	835	0.282
	9	36	MC													+	835	0.116
	9	38	CR	+	217	0.229	+	8988	0.102				+	3268	0.150			
	9	44	CR				+	8988	0.110	+	5077	0.101	+	3268	0.130			
	9	49	MC													*	835	-0.103
	9	93	CR				+	8988	0.117	+	5077	0.222				*	835	-0.430
	9	94	MC													*	835	-0.124
	9	95	MC													*	835	-0.104
	9	112	MC	+	217	0.245	+	8988	0.147	+	5077	0.142	+	3268	0.159	+	835	0.158

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 <sup>1</sup>														
				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	9	113	MC	*	217	-0.112				*	5077	-0.100						
	9	115	MC										+	3268	0.111			
	10	4	MC													*	764	-0.169
	10	7	CR				+	8206	0.116	+	4798	0.123	+	2772	0.140			
	10	9	MC										*	2772	-0.107	*	764	-0.117
	10	11	MC													*	764	-0.105
	10	12	CR							+	4798	0.121						
	10	13	MC													*	764	-0.112
	10	14	CR	+	145	0.210	+	8206	0.237	+	4798	0.208	+	2772	0.279	+	764	0.258
	10	19	CR							+	4798	0.125	+	2772	0.105			
	10	20	MC	*	145	-0.105												
	10	21	MC										*	2772	-0.108	*	764	-0.136
	10	27	CR				+	8206	0.119	+	4798	0.107	+	2772	0.117	+	764	0.189
	10	35	MC										*	2772	-0.117			
	10	36	MC	*	145	-0.147	*	8206	-0.162	*	4798	-0.205	*	2772	-0.123			
	10	37	CR				+	8206	0.154	+	4798	0.110	+	2772	0.239	+	764	0.126
	10	41	CR				+	8206	0.155	+	4798	0.164	+	2772	0.177			
	10	45	MC										*	2772	-0.131			
	10	91	CR													*	764	-0.169
	10	94	MC				+	8206	0.116	+	4798	0.123	+	2772	0.140			
	10	96	MC										*	2772	-0.107	*	764	-0.117
	10	98	MC													*	764	-0.105
	10	99	MC							+	4798	0.121						
	10	100	MC													*	764	-0.112
	10	101	CR	+	145	0.210	+	8206	0.237	+	4798	0.208	+	2772	0.279	+	764	0.258
	10	106	MC							+	4798	0.125	+	2772	0.105			
	10	107	MC	*	145	-0.105												
	10	108	CR										*	2772	-0.108	*	764	-0.136
	10	114	MC				+	8206	0.119	+	4798	0.107	+	2772	0.117	+	764	0.189

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 <sup>1</sup>														
				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	3	1E	CR	+	485	0.101												
	3	2	MC	*	485	-0.225	*	10794	-0.189				*	7620	-0.204	*	2115	-0.221
	3	7	MC	*	485	-0.279	*	10794	-0.220				*	7620	-0.251	*	2115	-0.252
	3	9	MC	*	485	-0.163	*	10794	-0.105				*	7620	-0.110	*	2115	-0.155
	3	16	MC	*	485	-0.153	*	10794	-0.145	*	1499	-0.103	*	7620	-0.171			
	4	52	MC	*	846	-0.256	*	11206	-0.151				*	7527	-0.187	*	1909	-0.250
	4	53	MC	*	846	-0.200							*	7527	-0.108	*	1909	-0.168
	4	54	MC	*	846	-0.241	*	11206	-0.147				*	7527	-0.173	*	1909	-0.219
	4	67	MC	*	846	-0.183	*	11206	-0.130				*	7527	-0.161	*	1909	-0.135
	4	69	CR	+	846	0.238	+	11206	0.132				+	7527	0.164	+	1909	0.130
	4	82	MC													*	1909	-0.108
	4	84	MC	+	846	0.122							+	7527	0.126			
	4	93	CR	+	846	0.238	+	11206	0.120				+	7527	0.133	+	1909	0.261
	5	3A	CR	+	612	0.124										+	1293	0.125
	5	58	MC													*	1293	-0.131
	5	65	CR	+	612	0.153							+	6791	0.131			
	5	82	MC	*	612	-0.103							*	6791	-0.113			
	5	87	MC										*	6791	-0.108			
	5	88	MC													*	1293	-0.147
	5	96	CR	+	612	0.184							+	6791	0.130			
	6	2E	CR	*	386	-0.137	*	10224	-0.121	*	4400	-0.101	*	5290	-0.138	*	897	-0.124
	6	58	MC													*	897	-0.182
	6	60	MC	*	386	-0.102							*	5290	-0.111			
	6	68	MC										*	5290	-0.110			
	6	79	MC	*	386	-0.182	*	10224	-0.115				*	5290	-0.177			
	6	80	CR	+	386	0.192	+	10224	0.102				+	5290	0.158			
	6	86	MC													+	897	0.136
	6	92	MC													+	897	0.110
6	98	CR	+	386	0.145							+	5290	0.106	+	897	0.141	
7	2A	CR													*	723	-0.111	

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 <sup>1</sup>														
				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	7	2B	CR													*	723	-0.147
	7	2E	CR													*	723	-0.147
	7	3A	CR										+	4651	0.118	+	723	0.168
	7	59	MC										*	4651	-0.101			
	7	72	CR	+	287	0.182	+	9943	0.130				+	4651	0.188			
	7	73	MC										+	4651	0.103			
	7	85	MC										*	4651	-0.134			
	7	90	MC	*	287	-0.110	*	9943	-0.165	*	4832	-0.124	*	4651	-0.218			
	7	91	MC										*	4651	-0.114	*	723	-0.156
	7	92	MC	*	287	-0.129	*	9943	-0.132				*	4651	-0.184	*	723	-0.100
	7	95	CR	+	287	0.304	+	9943	0.143				+	4651	0.208	+	723	0.312
	8	2B	CR													*	635	-0.105
	8	2D	CR													+	635	0.144
	8	53	MC	*	305	-0.128										*	635	-0.154
	8	54	MC										*	3633	-0.105			
	8	58	MC	*	305	-0.146	*	9290	-0.127	*	5304	-0.103	*	3633	-0.179			
	8	72	CR	+	305	0.125	+	9290	0.120	+	5304	0.109	+	3633	0.168			
	8	73	MC													+	635	0.102
	8	77	MC	*	305	-0.180	*	9290	-0.186				*	3633	-0.307	*	635	-0.258
	8	82	MC	*	305	-0.150				*	5304	-0.118						
	8	83	MC	+	305	0.109							+	3633	0.109			
	8	94	CR	+	305	0.250	+	9290	0.134				+	3633	0.191	+	635	0.212
	9	51	MC	*	217	-0.117	*	9012	-0.163	*	5084	-0.108	*	3278	-0.245	*	842	-0.164
	9	55	MC													+	842	0.113
	9	57	MC													*	842	-0.177
	9	65	CR	+	217	0.172	+	9012	0.124	+	5084	0.102	+	3278	0.201			
	9	89	MC													+	842	0.130
	9	91	CR	+	217	0.241	+	9012	0.164	+	5084	0.128	+	3278	0.254			
	10	2A	CR										*	2780	-0.130	*	761	-0.112
	10	2B	CR													*	761	-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 <sup>1</sup>														
				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	2C	CR													*	761	-0.113
	10	2F	CR													*	761	-0.311
	10	57	MC	*	145	-0.117												
	10	59	MC	*	145	-0.120	*	8211	-0.129	*	4795	-0.123	*	2780	-0.163			
	10	64	MC													+	761	0.119
	10	69	CR				+	8211	0.159	+	4795	0.125	+	2780	0.239			
	10	72	MC	*	145	-0.121							*	2780	-0.163			
	10	75	MC													+	761	0.101
	10	78	MC							*	4795	-0.106						
	10	83	MC													+	761	0.129
	10	84	MC													+	761	0.125
	10	88	MC													+	761	0.102
	10	90	CR	+	145	0.176	+	8211	0.184	+	4795	0.153	+	2780	0.262	+	761	0.101
	10	116	CR													+	761	0.119
Mathematics	4	7	MC													*	2036	-0.122
	4	18	CR	*	896	-0.243	*	11292	-0.103				*	7551	-0.127	*	2036	-0.164
	4	25	MC	*	896	-0.110							*	7551	-0.117	*	2036	-0.111
	4	39	MC													+	2036	0.101
	4	44	MC	*	896	-0.103												
	4	46	CR	*	896	-0.182										*	2036	-0.293
	4	56	CR													*	2036	-0.146
	4	63	CR	+	896	0.155												
	4	69	CR	+	896	0.228	+	11292	0.121				+	7551	0.156	+	2036	0.125
	5	1	MC													+	1314	0.129
	5	3	CR													*	1314	-0.137
	5	11	MC	*	612	-0.109												
	5	15	CR													*	1314	-0.134
	5	22	MC													*	1314	-0.133
	5	23	CR	*	612	-0.209										*	1314	-0.298
	5	36	MC													+	1314	0.119

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 <sup>1</sup>															
				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	5	41	CR	+	612	0.177													
	5	44	MC													+	1314	0.123	
	5	50	CR	*	612	-0.110													
	5	53	MC													+	1314	0.125	
	5	55	CR													*	1314	-0.245	
	5	59	MC	+	612	0.104													
	5	69	CR										+	6796	0.118				
	6	5	MC													+	907	0.106	
	6	8	MC													*	907	-0.111	
	6	10	CR	*	385	-0.135							*	5304	-0.123	*	907	-0.272	
	6	12	MC													+	907	0.103	
	6	17	MC													+	907	0.122	
	6	24	MC	*	385	-0.115	*	10250	-0.105				*	5304	-0.125	*	907	-0.211	
	6	30	CR										*	5304	-0.139	*	907	-0.138	
	6	43	MC	+	385	0.129													
	6	44	CR													*	907	-0.287	
	6	49	MC	*	385	-0.151				*	4402	-0.103							
	6	59	MC													+	907	0.189	
	7	13	MC													*	742	-0.121	
	7	15	CR	*	292	-0.111													
	7	20	CR													+	742	0.127	
	7	22	MC													*	742	-0.138	
	7	26	CR										+	4657	0.123				
	7	34	CR	*	292	-0.121										*	742	-0.109	
	7	36	MC													+	742	0.118	
	7	41	MC													*	742	-0.104	
	7	42	MC										*	4657	-0.135	*	742	-0.126	
	7	50	MC													+	742	0.101	
	7	56	CR					+	9976	0.106	+	4837	0.103	+	4657	0.141	*	742	-0.113
	7	60	CR													*	742	-0.205	

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 <sup>1</sup>														
				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	8	3	CR							+	5310	0.142						
	8	8	CR													*	649	-0.136
	8	12	MC													*	649	-0.116
	8	18	MC													*	649	-0.126
	8	23	MC													+	649	0.104
	8	32	CR	+	308	0.114												
	8	35	CR													*	649	-0.206
	8	54	CR													*	649	-0.114
	8	60	CR				+	9327	0.117				+	3650	0.178	+	649	0.258
	9	20	CR	*	225	-0.168							*	3278	-0.114	*	858	-0.179
	9	34	CR										*	3278	-0.100	*	858	-0.235
	9	45	MC													*	858	-0.122
	9	46	CR													*	858	-0.103
	9	53	CR										*	3278	-0.103	*	858	-0.175
	9	60	CR				+	9032	0.129				+	3278	0.212	+	858	0.316
	10	15	MC													*	771	-0.127
	10	20	CR													+	771	0.117
	10	25	CR													*	771	-0.198
	10	28	CR													*	771	-0.107
	10	34	CR													*	771	-0.105
	10	49	CR													*	771	-0.186
	10	51	MC													*	771	-0.155
Science	5	25	CR	+	613	0.131												
	5	36	MC													+	1310	0.106
	5	54	CR													*	1310	-0.194
	5	62	MC													+	1310	0.122
	5	73	CR													+	1310	0.152
	8	4	MC	+	304	0.144												
	8	14	CR	*	304	-0.150												
	8	16	MC	*	304	-0.129												

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 <sup>1</sup>														
				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	8	22	CR				+	9293	0.252	+	5296	0.192	+	3639	0.330	+	643	0.300
	8	26	MC													*	643	-0.106
	8	27	MC													*	643	-0.108
	8	44	CR										*	3639	-0.106	*	643	-0.131
	8	57	CR													*	643	-0.410
	8	76	CR	+	304	0.252												
	10	15	CR	*	151	-0.205										*	768	-0.120
	10	16	MC	*	151	-0.101												
	10	22	CR				+	8236	0.295	+	4809	0.280	+	2783	0.358			
	10	30	MC	+	151	0.112												
	10	57	MC													*	768	-0.108
	10	75	CR							*	4809	-0.115						
	10	76	MC	*	151	-0.128												

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 <sup>1</sup>											
				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				*	669	-0.104						
	3	31	CR				*	669	-0.109						
	4	20	CR		390	-0.174									
	4	23	CR		390	-0.127									
	4	33	CR		390	-0.135									
	4	43	CR		390	-0.133	*	1241	-0.124						
	4	110	MC		390	-0.174									
	4	113	MC	*	390	-0.127									
	5	27	CR				*	1596	-0.102						
	5	36	CR				*	1596	-0.104						
	6	17	CR	*	614	-0.168									
	6	18	CR	*	614	-0.113									
	6	24	CR	*	614	-0.146									
	6	34	CR	*	614	-0.140									
	6	53	CR				*	1518	-0.146						
	6	112	CR	*	614	-0.168									
	6	113	MC	*	614	-0.113									
	7	19	CR	*	756	-0.112									
	7	24	CR	*	756	-0.158							+	8677	0.110
	7	35	CR				*	1572	-0.127						
	7	111	MC	*	756	-0.112									
	8	10	CR	*	792	-0.147							+	8249	0.128
	8	15	CR	*	792	-0.101							+	8249	0.120
	8	40	CR	*	792	-0.131	*	1486	-0.114						
	8	101	MC	*	792	-0.147							+	8249	0.128
	8	106	MC	*	792	-0.101							+	8249	0.120
	9	5	CR	*	808	-0.207									
	9	34	CR	*	808	-0.158							+	4436	0.201
	9	93	CR	*	808	-0.207									
	10	7	CR	*	901	-0.117							+	3847	0.132
10	14	CR	*	901	-0.125							+	3847	0.161	
10	36	MC										*	3847	-0.111	
10	41	CR	*	901	-0.124										
10	94	MC	*	901	-0.117							+	3847	0.132	
10	101	CR	*	901	-0.125							+	3847	0.161	
Writing	4	3A	CR	*	389	-0.123	*	1239	-0.155						
	4	3B	CR	*	389	-0.120	*	1239	-0.183						
	4	69	CR	*	389	-0.164				*	5950	-0.102			
	4	93	CR	*	389	-0.172									
	5	3B	CR				*	1586	-0.107						
	5	65	CR				*	1586	-0.119						
	5	96	CR	*	508	-0.146									
	6	80	CR	*	614	-0.145									
6	98	CR	*	614	-0.158										

1. DIF is not reported for N less than 100. Flag + = favoring and \* = disfavoring

**Table 248. Items Flagged for DIF by Education Plan Focal Group (cont'd)**

Content Area	Grade	Item #	Item Type	Education Plan Focal Group <sup>1</sup>											
				504			GATE			IEP			Title 1		
				Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd
Writing	7	3A	CR	*	756	-0.115									
	7	72	CR	*	756	-0.111									
	7	95	CR	*	756	-0.126									
	9	91	CR	*	809	-0.113									
	10	69	CR	*	900	-0.120							+	3846	0.118
	10	90	CR	*	900	-0.105							+	3846	0.125
Mathematics	3	23	CR							+	5619	0.118			
	4	10	CR	*	392	-0.111									
	4	27	CR							+	5977	0.121			
	4	46	CR							*	5977	-0.191			
	4	56	CR				+	1236	0.106	*	5977	-0.114			
	5	23	CR							*	6015	-0.121			
	5	31	CR	*	508	-0.121				*	6015	-0.115			
	5	55	CR							*	6015	-0.108			
	6	33	CR	*	616	-0.116				*	5830	-0.115			
	7	56	CR							*	5523	-0.116			
	8	3	CR										+	8283	0.109
	8	48	CR				+	1487	0.107						
	8	54	CR	*	793	-0.118				*	5109	-0.107			
	9	7	CR										*	4470	-0.118
	9	20	CR							*	4853	-0.106			
9	53	CR							*	4853	-0.110				
9	60	CR							+	4853	0.122				
Science	5	54	CR							*	6010	-0.188			
	5	57	CR							*	6010	-0.130			
	8	22	CR	*	790	-0.159				*	5084	-0.240	+	8250	0.140
	8	47	CR							*	5084	-0.108			
	10	22	CR	*	898	-0.306				*	4452	-0.300	+	3866	0.168

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 <sup>1</sup>											
				Homeless			Immigrant			Migrant			Free Lunch		
				Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd
Reading	3	16	CR							+	256	0.152			
	3	37	CR				+	724	0.118	+	256	0.102			
	4	12	MC							*	225	-0.136			
	4	20	CR				+	605	0.129						
	4	23	CR				+	605	0.165						
	4	28	MC							*	225	-0.118			
	4	33	CR							+	225	0.224			
	4	43	CR				+	605	0.130						
	4	102	MC							*	225	-0.136			
	4	110	MC				+	605	0.129						
	4	113	MC				+	605	0.165						
	5	8	CR				+	555	0.104						
	5	13	MC				*	555	-0.122						
	5	20	MC				*	555	-0.115						
	5	24	CR				+	555	0.115	+	285	0.137			
	5	101	MC				+	555	0.104						
	5	106	MC				*	555	-0.122						
	5	113	CR				*	555	-0.115						
	6	8	CR							*	239	-0.120			
	6	13	MC				*	557	-0.101	*	239	-0.127			
	6	17	CR				+	557	0.245	+	239	0.209			
	6	18	CR				+	557	0.132						
	6	32	CR				+	557	0.124						
	6	39	CR							+	239	0.131			
	6	45	CR				+	557	0.138						
	6	103	MC							*	239	-0.120			
	6	108	MC				*	557	-0.101	*	239	-0.127			
	6	112	CR				+	557	0.245	+	239	0.209			
	6	113	MC				+	557	0.132						
	7	4	CR				+	532	0.122						
	7	8	MC				*	532	-0.122	*	249	-0.161			
	7	13	CR				*	532	-0.144						
	7	24	CR				+	532	0.119						
	7	47	CR				+	532	0.147						
	7	96	MC				+	532	0.122						
	7	100	MC				*	532	-0.122	*	249	-0.161			
	7	105	MC				*	532	-0.144						
	8	4	MC				*	521	-0.180	*	200	-0.169			
	8	10	CR				+	521	0.145						
	8	11	MC				*	521	-0.200	*	200	-0.175			
	8	14	MC							*	200	-0.109			
	8	15	CR				+	521	0.182	+	200	0.190			
	8	22	MC				*	521	-0.115						
	8	26	CR				+	521	0.111	+	200	0.131			
	8	31	MC							*	200	-0.102			

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 <sup>1</sup>											
				Homeless			Immigrant			Migrant			Free Lunch		
				Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd
Reading	8	39	CR				+	521	0.127						
	8	46	CR				+	521	0.286						
	8	47	CR				+	521	0.115	+	200	0.142			
	8	95	CR				*	521	-0.180	*	200	-0.169			
	8	101	MC				+	521	0.145						
	8	102	MC				*	521	-0.200	*	200	-0.175			
	8	105	MC				*			*	200	-0.109			
	8	106	MC				+	521	0.182	+	200	0.190			
	8	113	MC				*	521	-0.115						
	9	5	CR				*	629	-0.212						
	9	6	MC				*	629	-0.106						
	9	7	MC				*	629	-0.103						
	9	24	CR				+	629	0.162	+	216	0.164			
	9	27	CR							+	216	0.109			
	9	31	CR				+	629	0.189	+	216	0.135			
	9	34	CR				+	629	0.281	+	216	0.250			
	9	38	CR				+	629	0.141						
	9	44	CR				+	629	0.104	+	216	0.118			
	9	48	MC				*	629	-0.105						
	9	93	CR				*	629	-0.212						
	9	94	MC				*	629	-0.106						
	9	95	MC				*	629	-0.103						
	9	112	MC				+	629	0.162	+	216	0.164			
	9	115	MC							+	216	0.109			
	10	4	MC				*	587	-0.154						
	10	9	MC				*	587	-0.108	*	182	-0.108			
	10	11	MC				*	587	-0.120						
	10	13	MC				*	587	-0.113						
	10	14	CR				+	587	0.372	+	182	0.200	+	15024	0.117
	10	20	MC				*	587	-0.117						
	10	21	MC				*	587	-0.125						
	10	27	CR				+	587	0.250						
	10	36	MC							*	182	-0.121			
	10	37	CR				+	587	0.139	+	182	0.198			
	10	42	MC							*	182	-0.116			
	10	45	MC				*	587	-0.164						
	10	91	CR				*	587	-0.154						
	10	96	MC				*	587	-0.108	*	182	-0.108			
	10	98	MC				*	587	-0.120						
	10	100	MC				*	587	-0.113						
	10	101	CR				+	587	0.372	+	182	0.200	+	15024	0.117
	10	107	MC				*	587	-0.117						
	10	108	CR				*	587	-0.125						
	10	114	MC				+	587	0.250						

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 <sup>1</sup>											
				Homeless			Immigrant			Migrant			Free Lunch		
				Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd
Writing	3	2	MC				*	725	-0.161	*	256	-0.176			
	3	7	MC				*	725	-0.227	*	256	-0.200			
	3	9	MC				*	725	-0.107	*	256	-0.111			
	3	16	MC				*	725	-0.121	*	256	-0.146			
	3	24	MC							*	256	-0.104			
	4	52	MC				*	605	-0.212	*	224	-0.134			
	4	53	MC				*	605	-0.173	*	224	-0.157			
	4	54	MC				*	605	-0.185	*	224	-0.166			
	4	57	MC							*	224	-0.106			
	4	67	MC				*	605	-0.132	*	224	-0.159			
	4	69	CR				+	605	0.153						
	4	84	MC							+	224	0.127			
	4	93	CR				+	605	0.152						
	5	57	MC							*	285	-0.117			
	5	58	MC				*	555	-0.120						
	5	88	MC				*	555	-0.122						
	5	96	CR							+	285	0.176			
	6	2E	CR				*	558	-0.140	*	240	-0.102			
	6	58	MC				*	558	-0.119						
	6	60	MC							*	240	-0.106			
	6	68	MC				*	558	-0.128						
	6	75	MC				+	558	0.102						
	6	79	MC				*	558	-0.147	*	240	-0.151			
	6	80	CR							+	240	0.145			
	6	86	MC				+	558	0.110						
	6	92	MC				+	558	0.114						
	6	98	CR							+	240	0.179			
	7	2B	CR				*	530	-0.146						
	7	2E	CR				*	530	-0.153						
	7	3A	CR				+	530	0.125						
	7	62	MC				+	530	0.103						
	7	71	MC				+	530	0.109						
	7	72	CR							+	250	0.158			
	7	78	MC				+	530	0.118						
	7	85	MC							*	250	-0.117			
	7	90	MC				*	530	-0.155	*	250	-0.165			
	7	91	MC				*	530	-0.149						
	7	92	MC				*	530	-0.136	*	250	-0.125			
	7	93	MC				+	530	0.105						
	7	95	CR				+	530	0.204						
	8	2D	CR				+	522	0.101						
	8	58	MC				*	522	-0.125	*	200	-0.167			
	8	72	CR							+	200	0.153			
	8	73	MC				+	522	0.109						
	8	77	MC				*	522	-0.330	*	200	-0.222			

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 <sup>1</sup>												
				Homeless			Immigrant			Migrant			Free Lunch			
				Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	
Writing	8	83	MC								+	200	0.122			
	8	91	MC				+	522	0.111							
	8	94	CR							+	200	0.182				
	9	2A	CR				+	629	0.157							
	9	51	MC				*	629	-0.212	*	217	-0.228				
	9	55	MC				+	629	0.114							
	9	57	MC				*	629	-0.199							
	10	2B	CR				*	588	-0.125	*	181	-0.106				
	10	2F	CR				*	588	-0.267	*	181	-0.121				
	10	57	MC							*	181	-0.101				
	10	59	MC				*	588	-0.108							
	10	64	MC				+	588	0.130							
	10	72	MC				*	588	-0.149							
	10	78	MC							*	181	-0.147				
	10	83	MC				+	588	0.114							
	10	88	MC				+	588	0.106							
10	116	CR				+	588	0.130								
Mathematics	3	20	CR							+	276	0.124				
	4	7	MC				*	655	-0.125							
	4	10	CR				+	655	0.151	+	232	0.202				
	4	18	CR				*	655	-0.206							
	4	27	CR				+	655	0.101							
	4	46	CR				*	655	-0.161							
	4	63	CR				+	655	0.129							
	4	67	MC							+	232	0.128				
	4	69	CR				+	655	0.212							
	5	5	MC				*	565	-0.104							
	5	31	CR							+	282	0.215				
	5	34	CR				*	565	-0.106							
	5	36	MC				+	565	0.106	+	282	0.117				
	5	41	CR				+	565	0.139							
	5	50	CR							*	282	-0.144				
	5	55	CR				*	565	-0.206	*	282	-0.127				
	5	64	CR							*	282	-0.128				
	5	68	MC				*	565	-0.105							
	6	10	CR				*	563	-0.171	*	241	-0.154				
	6	24	MC				*	563	-0.133	*	241	-0.138				
	6	30	CR				*	563	-0.182							
	6	33	CR				+	563	0.151							
	6	39	MC							+	241	0.120				
	6	43	MC				+	563	0.107							
	6	44	CR				*	563	-0.209							
	6	49	MC				*	563	-0.111							
6	59	MC				+	563	0.155								
7	26	CR				+	540	0.175								

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 <sup>1</sup>											
				Homeless			Immigrant			Migrant			Free Lunch		
				Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd
Mathematics	7	29	MC				*	540	-0.105						
	7	40	CR				+	540	0.140	*	251	-0.145			
	7	42	MC				*	540	-0.136						
	7	60	CR				*	540	-0.208						
	8	8	CR				*	525	-0.160						
	8	35	CR				*	525	-0.148						
	8	40	CR							*	199	-0.124			
	8	60	CR				+	525	0.202						
	9	7	CR	*	760	-0.130									
	9	16	MC				*	635	-0.102						
	9	20	CR	*	760	-0.111	*	635	-0.116						
	9	34	CR				*	635	-0.182						
	9	40	CR				+	635	0.145						
	9	46	CR				*	635	-0.134						
	9	53	CR				*	635	-0.206						
	9	60	CR				+	635	0.244	+	221	0.191			
	10	5	CR				*	593	-0.106						
	10	12	MC							*	183	-0.100			
	10	15	MC				*	593	-0.118						
	10	20	CR				+	593	0.150	+	183	0.107			
	10	25	CR				*	593	-0.129						
	10	28	CR				*	593	-0.151						
	10	34	CR				*	593	-0.112						
10	40	CR				*	593	-0.104							
10	45	MC							+	183	0.113				
10	49	CR				*	593	-0.139							
10	59	MC							*	183	-0.101				
Science	5	22	CR				*	557	-0.108						
	5	73	CR				+	557	0.111						
	8	22	CR				+	524	0.389						
	8	44	CR				*	524	-0.135						
	8	51	CR							+	200	0.111			
	8	57	CR				*	524	-0.213						
	8	62	CR							+	200	0.113			
	10	3	MC							+	184	0.104			
	10	9	CR							*	184	-0.120			
	10	15	CR				*	588	-0.151						
	10	22	CR				+	588	0.268						
	10	49	MC							*	184	-0.100			
	10	57	MC				*	588	-0.108						
	10	67	MC							+	184	0.124			

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	0.76	0.72	
	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	0.82	0.78	0.84
	Writing		1.00	0.77	0.78
	Mathematics			1.00	0.83
	Science				1.00
6	Reading	1.00	0.83	0.78	
	Writing		1.00	0.77	
	Mathematics			1.00	
7	Reading	1.00	0.85	0.79	
	Writing		1.00	0.77	
	Mathematics			1.00	
8	Reading	1.00	0.86	0.78	0.84
	Writing		1.00	0.76	0.79
	Mathematics			1.00	0.84
	Science				1.00
9	Reading	1.00	0.87	0.79	
	Writing		1.00	0.78	
	Mathematics			1.00	
10	Reading	1.00	0.85	0.76	0.82
	Writing		1.00	0.74	0.78
	Mathematics			1.00	0.84
	Science				1.00

**Table 250. Intercorrelations among Content Areas (Percentile Ranks)**

Grade	Content Area	Reading	Writing	Mathematics	Science
3	Reading	1.00	0.82	0.76	
	Writing		1.00	0.78	
	Mathematics			1.00	
4	Reading	1.00	0.85	0.80	
	Writing		1.00	0.77	
	Mathematics			1.00	
5	Reading	1.00	0.85	0.80	0.87
	Writing		1.00	0.77	0.78
	Mathematics			1.00	0.82
	Science				1.00
6	Reading	1.00	0.86	0.79	
	Writing		1.00	0.78	
	Mathematics			1.00	
7	Reading	1.00	0.87	0.80	
	Writing		1.00	0.78	
	Mathematics			1.00	
8	Reading	1.00	0.88	0.79	0.85
	Writing		1.00	0.77	0.80
	Mathematics			1.00	0.85
	Science				1.00
9	Reading	1.00	0.89	0.80	
	Writing		1.00	0.79	
	Mathematics			1.00	
10	Reading	1.00	0.88	0.77	0.84
	Writing		1.00	0.75	0.79
	Mathematics			1.00	0.86
	Science				1.00

**Table 251. Intercorrelations with Demographic Variables**

Content Area	Grade	Age	Gender	Am. Indian/ AK Native	Asian	Black	Hispanic
Reading	3	-0.069	-0.106	-0.034	0.028	-0.089	-0.281
	4	-0.087	-0.109	-0.031	0.026	-0.103	-0.298
	5	-0.107	-0.091	-0.032	0.035	-0.100	-0.300
	6	-0.127	-0.121	-0.035	0.027	-0.125	-0.293
	7	-0.129	-0.137	-0.034	0.032	-0.115	-0.302
	8	-0.165	-0.175	-0.031	0.042	-0.100	-0.287
	9	-0.207	-0.149	-0.028	0.036	-0.117	-0.291
	10	-0.214	-0.181	-0.036	0.027	-0.111	-0.266
Writing	3	-0.076	-0.143	-0.039	0.032	-0.092	-0.260
	4	-0.089	-0.163	-0.039	0.039	-0.098	-0.300
	5	-0.112	-0.186	-0.035	0.056	-0.088	-0.271
	6	-0.136	-0.206	-0.040	0.052	-0.103	-0.256
	7	-0.139	-0.221	-0.039	0.061	-0.095	-0.280
	8	-0.167	-0.207	-0.032	0.045	-0.093	-0.286
	9	-0.218	-0.192	-0.032	0.036	-0.119	-0.288
	10	-0.217	-0.212	-0.039	0.032	-0.107	-0.271
Mathematics	3	-0.048	0.022	-0.035	0.063	-0.131	-0.295
	4	-0.085	0.003	-0.032	0.067	-0.139	-0.288
	5	-0.113	0.003	-0.034	0.073	-0.124	-0.271
	6	-0.132	-0.014	-0.036	0.063	-0.135	-0.264
	7	-0.141	-0.013	-0.036	0.077	-0.133	-0.289
	8	-0.172	-0.006	-0.031	0.089	-0.115	-0.277
	9	-0.234	0.002	-0.034	0.068	-0.146	-0.290
	10	-0.231	0.027	-0.043	0.063	-0.137	-0.283
Science	5	-0.081	0.024	-0.033	0.029	-0.133	-0.360
	8	-0.151	0.017	-0.032	0.039	-0.129	-0.324
	10	-0.214	0.006	-0.036	0.027	-0.134	-0.324
Reading Spanish	3	-0.025	-0.168	0.015			0.006
	4	-0.170	-0.095				-0.071
Writing Spanish	3	-0.004	-0.223	0.032			0.002
	4	-0.300	-0.059				0.070



**Table 252. Predictive Validity Coefficients**

Content Area	Grade in 2010	Grade in 2011	Number Matched	Reliability 2010	Reliability 2011	Correlation $r_{2010-2011}$	Validity Coefficient
Reading	3	4	57147	0.94	0.94	0.84	0.89
	4	5	57670	0.93	0.93	0.87	0.93
	5	6	56311	0.93	0.93	0.86	0.93
	6	7	55636	0.92	0.93	0.87	0.94
	7	8	54492	0.92	0.93	0.87	0.94
	8	9	53614	0.93	0.93	0.86	0.92
	9	10	52590	0.93	0.94	0.85	0.91
Writing	3	4	57242	0.91	0.90	0.76	0.84
	4	5	58075	0.91	0.91	0.76	0.83
	5	6	56433	0.91	0.91	0.79	0.87
	6	7	55962	0.91	0.91	0.81	0.89
	7	8	54692	0.91	0.90	0.80	0.89
	8	9	53801	0.91	0.92	0.81	0.89
	9	10	52787	0.92	0.92	0.78	0.85
Mathematics	3	4	58682	0.94	0.94	0.85	0.90
	4	5	58018	0.94	0.94	0.88	0.94
	5	6	56508	0.93	0.94	0.88	0.94
	6	7	55582	0.93	0.93	0.90	0.96
	7	8	54341	0.93	0.94	0.90	0.96
	8	9	53371	0.93	0.93	0.90	0.96
	9	10	52119	0.92	0.93	0.89	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**

	<b>Unsatisfactory</b>	<b>Partially Proficient</b>	<b>Proficient</b>	<b>Advanced</b>	<b>Sum</b>
<b>Unsatisfactory</b>	0.0459	0.0117	0.0005	0.0000	0.0581
<b>Partially Proficient</b>	0.0126	0.0623	0.0310	0.0000	0.1059
<b>Proficient</b>	0.0005	0.0328	0.5510	0.0671	0.6514
<b>Advanced</b>	0.0000	0.0000	0.0575	0.1271	0.1846
<b>Sum</b>	0.0589	0.1068	0.6401	0.1942	1.0000
<b>Observed Score Dist.</b>	0.0916	0.1747	0.6669	0.0607	

**Indices for Classification Consistency and Classification Accuracy**

	<b>Cut 1</b>	<b>Cut 2</b>	<b>Cut 3</b>	<b>All Cuts</b>
<b>Classification Agreement (P)</b>	0.9747	0.9352	0.8754	0.7863
<b>Chance Probability (Pc)</b>	0.8898	0.7246	0.6929	0.4675
<b>Kappa</b>	0.7709	0.7646	0.5941	0.5986
<b>Classification Accuracy</b>	0.9817	0.9585	0.9126	0.8530

**Table 254. Classification Consistency and Classification Accuracy for Reading Grade 4****Contingency Table with All Cut Scores**

	Unsatisfactory	Partially Proficient	Proficient	Advanced	Sum
Unsatisfactory	0.0975	0.0174	0.0000	0.0000	0.1149
Partially Proficient	0.0186	0.1707	0.0368	0.0000	0.2261
Proficient	0.0000	0.0416	0.5306	0.0253	0.5975
Advanced	0.0000	0.0000	0.0253	0.0362	0.0615
Sum	0.1161	0.2297	0.5927	0.0615	1.0000
Observed Score Dist.	0.1123	0.2312	0.6068	0.0457	

**Indices for Classification Consistency and Classification Accuracy**

	Cut 1	Cut 2	Cut 3	All Cuts
Classification Agreement (P)	0.9640	0.9217	0.9494	0.8350
Chance Probability (Pc)	0.7956	0.5490	0.8846	0.4232
Kappa	0.8238	0.8263	0.5613	0.7140
Classification Accuracy	0.9749	0.9449	0.9654	0.8852

**Table 255. Classification Consistency and Classification Accuracy for Reading Grade 5****Contingency Table with All Cut Scores**

	<b>Unsatisfactory</b>	<b>Partially Proficient</b>	<b>Proficient</b>	<b>Advanced</b>	<b>Sum</b>
<b>Unsatisfactory</b>	0.1007	0.0201	0.0000	0.0000	0.1209
<b>Partially Proficient</b>	0.0216	0.1256	0.0420	0.0000	0.1892
<b>Proficient</b>	0.0000	0.0428	0.5211	0.0316	0.5956
<b>Advanced</b>	0.0000	0.0000	0.0321	0.0622	0.0943
<b>Sum</b>	0.1224	0.1885	0.5953	0.0938	1.0000
<b>Observed Score Dist.</b>	0.1182	0.1867	0.6118	0.0782	

**Indices for Classification Consistency and Classification Accuracy**

	<b>Cut 1</b>	<b>Cut 2</b>	<b>Cut 3</b>	<b>All Cuts</b>
<b>Classification Agreement (P)</b>	0.9582	0.9151	0.9363	0.8096
<b>Chance Probability (Pc)</b>	0.7863	0.5718	0.8296	0.4139
<b>Kappa</b>	0.8045	0.8018	0.6259	0.6752
<b>Classification Accuracy</b>	0.9735	0.9436	0.9539	0.8710

**Table 256. Classification Consistency and Classification Accuracy for Reading Grade 6****Contingency Table with All Cut Scores**

	<b>Unsatisfactory</b>	<b>Partially Proficient</b>	<b>Proficient</b>	<b>Advanced</b>	<b>Sum</b>
<b>Unsatisfactory</b>	0.0808	0.0142	0.0000	0.0000	0.0950
<b>Partially Proficient</b>	0.0173	0.1448	0.0387	0.0000	0.2009
<b>Proficient</b>	0.0002	0.0344	0.5010	0.0404	0.5759
<b>Advanced</b>	0.0000	0.0000	0.0449	0.0833	0.1282
<b>Sum</b>	0.0983	0.1935	0.5845	0.1237	1.0000
<b>Observed Score Dist.</b>	0.0936	0.1920	0.5985	0.1108	

**Indices for Classification Consistency and Classification Accuracy**

	<b>Cut 1</b>	<b>Cut 2</b>	<b>Cut 3</b>	<b>All Cuts</b>
<b>Classification Agreement (P)</b>	0.9683	0.9267	0.9148	0.8099
<b>Chance Probability (Pc)</b>	0.8253	0.5850	0.7798	0.4007
<b>Kappa</b>	0.8186	0.8234	0.6129	0.6829
<b>Classification Accuracy</b>	0.9769	0.9482	0.9474	0.8725

**Table 257. Classification Consistency and Classification Accuracy for Reading Grade 7****Contingency Table with All Cut Scores**

	<b>Unsatisfactory</b>	<b>Partially Proficient</b>	<b>Proficient</b>	<b>Advanced</b>	<b>Sum</b>
<b>Unsatisfactory</b>	0.1025	0.0190	0.0000	0.0000	0.1214
<b>Partially Proficient</b>	0.0180	0.1457	0.0432	0.0000	0.2069
<b>Proficient</b>	0.0000	0.0437	0.4853	0.0387	0.5677
<b>Advanced</b>	0.0000	0.0000	0.0309	0.0730	0.1039
<b>Sum</b>	0.1205	0.2083	0.5594	0.1117	1.0000
<b>Observed Score Dist.</b>	0.1169	0.2058	0.5765	0.0937	

**Indices for Classification Consistency and Classification Accuracy**

	<b>Cut 1</b>	<b>Cut 2</b>	<b>Cut 3</b>	<b>All Cuts</b>
<b>Classification Agreement (P)</b>	0.9630	0.9131	0.9304	0.8065
<b>Chance Probability (Pc)</b>	0.7873	0.5588	0.8076	0.3870
<b>Kappa</b>	0.8261	0.8030	0.6381	0.6843
<b>Classification Accuracy</b>	0.9740	0.9379	0.9530	0.8649

**Table 258. Classification Consistency and Classification Accuracy for Reading Grade 8****Contingency Table with All Cut Scores**

	<b>Unsatisfactory</b>	<b>Partially Proficient</b>	<b>Proficient</b>	<b>Advanced</b>	<b>Sum</b>
<b>Unsatisfactory</b>	0.0817	0.0190	0.0000	0.0000	0.1007
<b>Partially Proficient</b>	0.0211	0.1641	0.0404	0.0000	0.2257
<b>Proficient</b>	0.0000	0.0416	0.4976	0.0339	0.5731
<b>Advanced</b>	0.0000	0.0000	0.0296	0.0710	0.1006
<b>Sum</b>	0.1028	0.2247	0.5676	0.1050	1.0000
<b>Observed Score Dist.</b>	0.0956	0.2263	0.5780	0.0909	

**Indices for Classification Consistency and Classification Accuracy**

	<b>Cut 1</b>	<b>Cut 2</b>	<b>Cut 3</b>	<b>All Cuts</b>
<b>Classification Agreement (P)</b>	0.9599	0.9181	0.9365	0.8144
<b>Chance Probability (Pc)</b>	0.8172	0.5599	0.8156	0.3969
<b>Kappa</b>	0.7806	0.8138	0.6556	0.6923
<b>Classification Accuracy</b>	0.9734	0.9375	0.9570	0.8679

**Table 259. Classification Consistency and Classification Accuracy for Reading Grade 9****Contingency Table with All Cut Scores**

	<b>Unsatisfactory</b>	<b>Partially Proficient</b>	<b>Proficient</b>	<b>Advanced</b>	<b>Sum</b>
<b>Unsatisfactory</b>	0.0587	0.0119	0.0000	0.0000	0.0705
<b>Partially Proficient</b>	0.0139	0.2069	0.0437	0.0000	0.2645
<b>Proficient</b>	0.0000	0.0468	0.5536	0.0181	0.6185
<b>Advanced</b>	0.0000	0.0000	0.0177	0.0288	0.0465
<b>Sum</b>	0.0726	0.2655	0.6149	0.0470	1.0000
<b>Observed Score Dist.</b>	0.0680	0.2596	0.6174	0.0363	

**Indices for Classification Consistency and Classification Accuracy**

	<b>Cut 1</b>	<b>Cut 2</b>	<b>Cut 3</b>	<b>All Cuts</b>
<b>Classification Agreement (P)</b>	0.9742	0.9095	0.9642	0.8480
<b>Chance Probability (Pc)</b>	0.8671	0.5534	0.9109	0.4579
<b>Kappa</b>	0.8062	0.7974	0.5982	0.7196
<b>Classification Accuracy</b>	0.9814	0.9399	0.9772	0.8985



**Table 260. Classification Consistency and Classification Accuracy for Reading Grade 10****Contingency Table with All Cut Scores**

	<b>Unsatisfactory</b>	<b>Partially Proficient</b>	<b>Proficient</b>	<b>Advanced</b>	<b>Sum</b>
<b>Unsatisfactory</b>	0.0739	0.0175	0.0000	0.0000	0.0914
<b>Partially Proficient</b>	0.0156	0.1833	0.0361	0.0000	0.2350
<b>Proficient</b>	0.0000	0.0423	0.5097	0.0271	0.5792
<b>Advanced</b>	0.0000	0.0000	0.0296	0.0649	0.0945
<b>Sum</b>	0.0895	0.2430	0.5754	0.0920	1.0000
<b>Observed Score Dist.</b>	0.0834	0.2378	0.5737	0.0767	

**Indices for Classification Consistency and Classification Accuracy**

	<b>Cut 1</b>	<b>Cut 2</b>	<b>Cut 3</b>	<b>All Cuts</b>
<b>Classification Agreement (P)</b>	0.9669	0.9216	0.9433	0.8318
<b>Chance Probability (Pc)</b>	0.8355	0.5581	0.8309	0.4072
<b>Kappa</b>	0.7989	0.8225	0.6646	0.7162
<b>Classification Accuracy</b>	0.9775	0.9443	0.9624	0.8841

**Table 261. Classification Consistency and Classification Accuracy for Writing Grade 3****Contingency Table with All Cut Scores**

	<b>Unsatisfactory</b>	<b>Partially Proficient</b>	<b>Proficient</b>	<b>Advanced</b>	<b>Sum</b>
<b>Unsatisfactory</b>	0.0489	0.0129	0.0000	0.0000	0.0618
<b>Partially Proficient</b>	0.0131	0.3474	0.0610	0.0010	0.4224
<b>Proficient</b>	0.0000	0.0671	0.2924	0.0431	0.4025
<b>Advanced</b>	0.0000	0.0004	0.0426	0.0702	0.1132
<b>Sum</b>	0.0620	0.4278	0.3959	0.1143	1.0000
<b>Observed Score Dist.</b>	0.0598	0.4245	0.4305	0.0822	

**Indices for Classification Consistency and Classification Accuracy**

	<b>Cut 1</b>	<b>Cut 2</b>	<b>Cut 3</b>	<b>All Cuts</b>
<b>Classification Agreement (P)</b>	0.9740	0.8706	0.9130	0.7589
<b>Chance Probability (Pc)</b>	0.8838	0.5003	0.7984	0.3568
<b>Kappa</b>	0.7758	0.7411	0.5684	0.6251
<b>Classification Accuracy</b>	0.9821	0.9146	0.9395	0.8362

**Table 262. Classification Consistency and Classification Accuracy for Writing Grade 4****Contingency Table with All Cut Scores**

	<b>Unsatisfactory</b>	<b>Partially Proficient</b>	<b>Proficient</b>	<b>Advanced</b>	<b>Sum</b>
<b>Unsatisfactory</b>	0.0533	0.0175	0.0000	0.0000	0.0708
<b>Partially Proficient</b>	0.0174	0.2964	0.0637	0.0000	0.3775
<b>Proficient</b>	0.0000	0.0570	0.3239	0.0499	0.4308
<b>Advanced</b>	0.0000	0.0004	0.0374	0.0833	0.1210
<b>Sum</b>	0.0707	0.3712	0.4250	0.1331	1.0000
<b>Observed Score Dist.</b>	0.0644	0.3746	0.4500	0.1067	

**Indices for Classification Consistency and Classification Accuracy**

	<b>Cut 1</b>	<b>Cut 2</b>	<b>Cut 3</b>	<b>All Cuts</b>
<b>Classification Agreement (P)</b>	0.9652	0.8789	0.9124	0.7568
<b>Chance Probability (Pc)</b>	0.8686	0.5060	0.7781	0.3443
<b>Kappa</b>	0.7349	0.7549	0.6052	0.6291
<b>Classification Accuracy</b>	0.9767	0.9114	0.9418	0.8303

**Table 263. Classification Consistency and Classification Accuracy for Writing Grade 5****Contingency Table with All Cut Scores**

	<b>Unsatisfactory</b>	<b>Partially Proficient</b>	<b>Proficient</b>	<b>Advanced</b>	<b>Sum</b>
<b>Unsatisfactory</b>	0.0328	0.0122	0.0000	0.0000	0.0450
<b>Partially Proficient</b>	0.0117	0.2849	0.0494	0.0000	0.3461
<b>Proficient</b>	0.0000	0.0594	0.3818	0.0430	0.4842
<b>Advanced</b>	0.0000	0.0000	0.0415	0.0833	0.1247
<b>Sum</b>	0.0445	0.3565	0.4727	0.1263	1.0000
<b>Observed Score Dist.</b>	0.0417	0.3507	0.4968	0.1055	

**Indices for Classification Consistency and Classification Accuracy**

	<b>Cut 1</b>	<b>Cut 2</b>	<b>Cut 3</b>	<b>All Cuts</b>
<b>Classification Agreement (P)</b>	0.9761	0.8912	0.9156	0.7828
<b>Chance Probability (Pc)</b>	0.9145	0.5216	0.7805	0.3700
<b>Kappa</b>	0.7201	0.7725	0.6154	0.6553
<b>Classification Accuracy</b>	0.9827	0.9207	0.9424	0.8458

**Table 264. Classification Consistency and Classification Accuracy for Writing Grade 6****Contingency Table with All Cut Scores**

	<b>Unsatisfactory</b>	<b>Partially Proficient</b>	<b>Proficient</b>	<b>Advanced</b>	<b>Sum</b>
<b>Unsatisfactory</b>	0.0330	0.0143	0.0000	0.0000	0.0473
<b>Partially Proficient</b>	0.0126	0.2693	0.0534	0.0000	0.3354
<b>Proficient</b>	0.0000	0.0518	0.3949	0.0386	0.4853
<b>Advanced</b>	0.0000	0.0000	0.0400	0.0921	0.1320
<b>Sum</b>	0.0456	0.3354	0.4883	0.1306	1.0000
<b>Observed Score Dist.</b>	0.0409	0.3356	0.5087	0.1097	

**Indices for Classification Consistency and Classification Accuracy**

	<b>Cut 1</b>	<b>Cut 2</b>	<b>Cut 3</b>	<b>All Cuts</b>
<b>Classification Agreement (P)</b>	0.9731	0.8948	0.9215	0.7893
<b>Chance Probability (Pc)</b>	0.9114	0.5279	0.7718	0.3689
<b>Kappa</b>	0.6961	0.7771	0.6558	0.6661
<b>Classification Accuracy</b>	0.9811	0.9263	0.9434	0.8507

**Table 265. Classification Consistency and Classification Accuracy for Writing Grade 7****Contingency Table with All Cut Scores**

	<b>Unsatisfactory</b>	<b>Partially Proficient</b>	<b>Proficient</b>	<b>Advanced</b>	<b>Sum</b>
<b>Unsatisfactory</b>	0.0260	0.0103	0.0000	0.0000	0.0363
<b>Partially Proficient</b>	0.0116	0.2989	0.0560	0.0000	0.3665
<b>Proficient</b>	0.0000	0.0593	0.3635	0.0357	0.4585
<b>Advanced</b>	0.0000	0.0000	0.0355	0.1032	0.1387
<b>Sum</b>	0.0376	0.3686	0.4550	0.1389	1.0000
<b>Observed Score Dist.</b>	0.0325	0.3708	0.4663	0.1235	

**Indices for Classification Consistency and Classification Accuracy**

	<b>Cut 1</b>	<b>Cut 2</b>	<b>Cut 3</b>	<b>All Cuts</b>
<b>Classification Agreement (P)</b>	0.9781	0.8847	0.9289	0.7917
<b>Chance Probability (Pc)</b>	0.9288	0.5182	0.7610	0.3643
<b>Kappa</b>	0.6929	0.7607	0.7024	0.6723
<b>Classification Accuracy</b>	0.9847	0.9225	0.9485	0.8557

**Table 266. Classification Consistency and Classification Accuracy for Writing Grade 8****Contingency Table with All Cut Scores**

	<b>Unsatisfactory</b>	<b>Partially Proficient</b>	<b>Proficient</b>	<b>Advanced</b>	<b>Sum</b>
<b>Unsatisfactory</b>	0.0258	0.0119	0.0000	0.0000	0.0377
<b>Partially Proficient</b>	0.0118	0.3406	0.0634	0.0000	0.4158
<b>Proficient</b>	0.0000	0.0574	0.3261	0.0397	0.4232
<b>Advanced</b>	0.0000	0.0000	0.0392	0.0841	0.1233
<b>Sum</b>	0.0376	0.4100	0.4287	0.1238	1.0000
<b>Observed Score Dist.</b>	0.0322	0.4166	0.4353	0.1065	

**Indices for Classification Consistency and Classification Accuracy**

	<b>Cut 1</b>	<b>Cut 2</b>	<b>Cut 3</b>	<b>All Cuts</b>
<b>Classification Agreement (P)</b>	0.9763	0.8792	0.9211	0.7767
<b>Chance Probability (Pc)</b>	0.9276	0.5049	0.7834	0.3685
<b>Kappa</b>	0.6734	0.7560	0.6359	0.6464
<b>Classification Accuracy</b>	0.9833	0.9175	0.9438	0.8447

**Table 267. Classification Consistency and Classification Accuracy for Writing Grade 9****Contingency Table with All Cut Scores**

	<b>Unsatisfactory</b>	<b>Partially Proficient</b>	<b>Proficient</b>	<b>Advanced</b>	<b>Sum</b>
<b>Unsatisfactory</b>	0.0347	0.0150	0.0000	0.0000	0.0497
<b>Partially Proficient</b>	0.0117	0.3452	0.0518	0.0004	0.4091
<b>Proficient</b>	0.0000	0.0493	0.3527	0.0346	0.4366
<b>Advanced</b>	0.0000	0.0000	0.0356	0.0690	0.1047
<b>Sum</b>	0.0463	0.4095	0.4401	0.1040	1.0000
<b>Observed Score Dist.</b>	0.0441	0.4126	0.4394	0.0860	

**Indices for Classification Consistency and Classification Accuracy**

	<b>Cut 1</b>	<b>Cut 2</b>	<b>Cut 3</b>	<b>All Cuts</b>
<b>Classification Agreement (P)</b>	0.9733	0.8986	0.9294	0.8017
<b>Chance Probability (Pc)</b>	0.9086	0.5036	0.8131	0.3729
<b>Kappa</b>	0.7084	0.7956	0.6224	0.6838
<b>Classification Accuracy</b>	0.9818	0.9279	0.9530	0.8627



**Table 268. Classification Consistency and Classification Accuracy for Writing Grade 10****Contingency Table with All Cut Scores**

	<b>Unsatisfactory</b>	<b>Partially Proficient</b>	<b>Proficient</b>	<b>Advanced</b>	<b>Sum</b>
<b>Unsatisfactory</b>	0.0451	0.0156	0.0000	0.0000	0.0607
<b>Partially Proficient</b>	0.0121	0.3760	0.0682	0.0000	0.4564
<b>Proficient</b>	0.0000	0.0612	0.3271	0.0263	0.4145
<b>Advanced</b>	0.0000	0.0000	0.0260	0.0424	0.0684
<b>Sum</b>	0.0572	0.4528	0.4214	0.0687	1.0000
<b>Observed Score Dist.</b>	0.0565	0.4475	0.4179	0.0498	

**Indices for Classification Consistency and Classification Accuracy**

	<b>Cut 1</b>	<b>Cut 2</b>	<b>Cut 3</b>	<b>All Cuts</b>
<b>Classification Agreement (P)</b>	0.9723	0.8706	0.9477	0.7906
<b>Chance Probability (Pc)</b>	0.8891	0.5003	0.8723	0.3895
<b>Kappa</b>	0.7505	0.7410	0.5904	0.6571
<b>Classification Accuracy</b>	0.9815	0.9072	0.9637	0.8525

**Table 269. Classification Consistency and Classification Accuracy for Mathematics Grade 3****Contingency Table with All Cut Scores**

	Unsatisfactory	Partially Proficient	Proficient	Advanced	Sum
Unsatisfactory	0.0417	0.0190	0.0003	0.0000	0.0610
Partially Proficient	0.0188	0.1322	0.0408	0.0000	0.1919
Proficient	0.0002	0.0504	0.3119	0.0552	0.4177
Advanced	0.0000	0.0000	0.0580	0.2714	0.3294
Sum	0.0606	0.2017	0.4110	0.3266	1.0000
Observed Score Dist.	0.0801	0.2213	0.4113	0.2838	

**Indices for Classification Consistency and Classification Accuracy**

	Cut 1	Cut 2	Cut 3	All Cuts
Classification Agreement (P)	0.9617	0.9083	0.8868	0.7572
Chance Probability (Pc)	0.8858	0.6175	0.5592	0.3217
Kappa	0.6650	0.7602	0.7432	0.6421
Classification Accuracy	0.9730	0.9343	0.9218	0.8291

**Table 270. Classification Consistency and Classification Accuracy for Mathematics Grade 4****Contingency Table with All Cut Scores**

	<b>Unsatisfactory</b>	<b>Partially Proficient</b>	<b>Proficient</b>	<b>Advanced</b>	<b>Sum</b>
<b>Unsatisfactory</b>	0.0438	0.0106	0.0000	0.0000	0.0545
<b>Partially Proficient</b>	0.0142	0.1327	0.0342	0.0000	0.1811
<b>Proficient</b>	0.0000	0.0349	0.3620	0.0487	0.4456
<b>Advanced</b>	0.0000	0.0000	0.0556	0.2632	0.3189
<b>Sum</b>	0.0580	0.1782	0.4519	0.3119	1.0000
<b>Observed Score Dist.</b>	0.0835	0.2039	0.4314	0.2783	

**Indices for Classification Consistency and Classification Accuracy**

	<b>Cut 1</b>	<b>Cut 2</b>	<b>Cut 3</b>	<b>All Cuts</b>
<b>Classification Agreement (P)</b>	0.9752	0.9309	0.8957	0.8018
<b>Chance Probability (Pc)</b>	0.8938	0.6395	0.5682	0.3362
<b>Kappa</b>	0.7661	0.8085	0.7584	0.7014
<b>Classification Accuracy</b>	0.9827	0.9520	0.9294	0.8642

**Table 271. Classification Consistency and Classification Accuracy for Mathematics Grade 5****Contingency Table with All Cut Scores**

	<b>Unsatisfactory</b>	<b>Partially Proficient</b>	<b>Proficient</b>	<b>Advanced</b>	<b>Sum</b>
<b>Unsatisfactory</b>	0.0523	0.0152	0.0000	0.0000	0.0675
<b>Partially Proficient</b>	0.0122	0.1731	0.0397	0.0000	0.2250
<b>Proficient</b>	0.0000	0.0380	0.2839	0.0476	0.3696
<b>Advanced</b>	0.0000	0.0000	0.0485	0.2894	0.3379
<b>Sum</b>	0.0646	0.2263	0.3722	0.3370	1.0000
<b>Observed Score Dist.</b>	0.0975	0.2386	0.3569	0.3032	

**Indices for Classification Consistency and Classification Accuracy**

	<b>Cut 1</b>	<b>Cut 2</b>	<b>Cut 3</b>	<b>All Cuts</b>
<b>Classification Agreement (P)</b>	0.9726	0.9223	0.9039	0.7987
<b>Chance Probability (Pc)</b>	0.8766	0.5868	0.5529	0.3067
<b>Kappa</b>	0.7776	0.8119	0.7850	0.7096
<b>Classification Accuracy</b>	0.9797	0.9460	0.9390	0.8648

**Table 272. Classification Consistency and Classification Accuracy for Mathematics Grade 6****Contingency Table with All Cut Scores**

	<b>Unsatisfactory</b>	<b>Partially Proficient</b>	<b>Proficient</b>	<b>Advanced</b>	<b>Sum</b>
<b>Unsatisfactory</b>	0.0804	0.0200	0.0000	0.0000	0.1004
<b>Partially Proficient</b>	0.0282	0.1640	0.0442	0.0000	0.2364
<b>Proficient</b>	0.0000	0.0399	0.2911	0.0378	0.3688
<b>Advanced</b>	0.0000	0.0000	0.0419	0.2524	0.2943
<b>Sum</b>	0.1086	0.2238	0.3773	0.2903	1.0000
<b>Observed Score Dist.</b>	0.1253	0.2429	0.3574	0.2704	

**Indices for Classification Consistency and Classification Accuracy**

	<b>Cut 1</b>	<b>Cut 2</b>	<b>Cut 3</b>	<b>All Cuts</b>
<b>Classification Agreement (P)</b>	0.9518	0.9159	0.9203	0.7879
<b>Chance Probability (Pc)</b>	0.8128	0.5547	0.5863	0.2884
<b>Kappa</b>	0.7423	0.8111	0.8073	0.7020
<b>Classification Accuracy</b>	0.9658	0.9420	0.9495	0.8574

**Table 273. Classification Consistency and Classification Accuracy for Mathematics Grade 7****Contingency Table with All Cut Scores**

	Unsatisfactory	Partially Proficient	Proficient	Advanced	Sum
Unsatisfactory	0.0968	0.0295	0.0000	0.0000	0.1263
Partially Proficient	0.0376	0.2374	0.0448	0.0000	0.3198
Proficient	0.0000	0.0450	0.2226	0.0382	0.3058
Advanced	0.0000	0.0000	0.0353	0.2127	0.2480
Sum	0.1344	0.3119	0.3027	0.2509	1.0000
Observed Score Dist.	0.1469	0.3192	0.2932	0.2349	

**Indices for Classification Consistency and Classification Accuracy**

	Cut 1	Cut 2	Cut 3	All Cuts
Classification Agreement (P)	0.9329	0.9102	0.9265	0.7696
Chance Probability (Pc)	0.7732	0.5058	0.6255	0.2716
Kappa	0.7041	0.8183	0.8038	0.6837
Classification Accuracy	0.9540	0.9386	0.9509	0.8435

**Table 274. Classification Consistency and Classification Accuracy for Mathematics Grade 8****Contingency Table with All Cut Scores**

	Unsatisfactory	Partially Proficient	Proficient	Advanced	Sum
Unsatisfactory	0.1452	0.0403	0.0003	0.0000	0.1859
Partially Proficient	0.0335	0.2002	0.0440	0.0000	0.2778
Proficient	0.0000	0.0460	0.2278	0.0325	0.3063
Advanced	0.0000	0.0000	0.0284	0.2018	0.2301
Sum	0.1787	0.2865	0.3005	0.2343	1.0000
Observed Score Dist.	0.1935	0.2861	0.2936	0.2186	

**Indices for Classification Consistency and Classification Accuracy**

	Cut 1	Cut 2	Cut 3	All Cuts
Classification Agreement (P)	0.9258	0.9097	0.9391	0.7750
Chance Probability (P <sub>c</sub> )	0.7019	0.5025	0.6434	0.2587
Kappa	0.7513	0.8184	0.8293	0.6964
Classification Accuracy	0.9486	0.9379	0.9550	0.8414

**Table 275. Classification Consistency and Classification Accuracy for Mathematics Grade 9****Contingency Table with All Cut Scores**

	Unsatisfactory	Partially Proficient	Proficient	Advanced	Sum
Unsatisfactory	0.2671	0.0503	0.0000	0.0000	0.3174
Partially Proficient	0.0393	0.2136	0.0396	0.0000	0.2924
Proficient	0.0000	0.0376	0.1826	0.0253	0.2456
Advanced	0.0000	0.0000	0.0248	0.1199	0.1446
Sum	0.3063	0.3015	0.2470	0.1452	1.0000
Observed Score Dist.	0.3112	0.2961	0.2411	0.1356	

**Indices for Classification Consistency and Classification Accuracy**

	Cut 1	Cut 2	Cut 3	All Cuts
Classification Agreement (P)	0.9104	0.9228	0.9499	0.7831
Chance Probability (Pc)	0.5707	0.5237	0.7522	0.2670
Kappa	0.7914	0.8378	0.7978	0.7041
Classification Accuracy	0.9291	0.9437	0.9643	0.8371



**Table 276. Classification Consistency and Classification Accuracy for Mathematics Grade 10****Contingency Table with All Cut Scores**

	<b>Unsatisfactory</b>	<b>Partially Proficient</b>	<b>Proficient</b>	<b>Advanced</b>	<b>Sum</b>
<b>Unsatisfactory</b>	0.2499	0.0487	0.0000	0.0000	0.2986
<b>Partially Proficient</b>	0.0455	0.2909	0.0354	0.0000	0.3717
<b>Proficient</b>	0.0000	0.0382	0.2115	0.0164	0.2662
<b>Advanced</b>	0.0000	0.0000	0.0153	0.0482	0.0635
<b>Sum</b>	0.2953	0.3778	0.2622	0.0647	1.0000
<b>Observed Score Dist.</b>	0.2942	0.3647	0.2603	0.0556	

**Indices for Classification Consistency and Classification Accuracy**

	<b>Cut 1</b>	<b>Cut 2</b>	<b>Cut 3</b>	<b>All Cuts</b>
<b>Classification Agreement (P)</b>	0.9058	0.9265	0.9683	0.8005
<b>Chance Probability (Pc)</b>	0.5824	0.5590	0.8800	0.3025
<b>Kappa</b>	0.7744	0.8332	0.7356	0.7140
<b>Classification Accuracy</b>	0.9338	0.9490	0.9779	0.8607

**Table 277. Classification Consistency and Classification Accuracy for Science Grade 5****Contingency Table with All Cut Scores**

	<b>Unsatisfactory</b>	<b>Partially Proficient</b>	<b>Proficient</b>	<b>Advanced</b>	<b>Sum</b>
<b>Unsatisfactory</b>	0.0959	0.0300	0.0000	0.0000	0.1258
<b>Partially Proficient</b>	0.0272	0.2871	0.0512	0.0000	0.3654
<b>Proficient</b>	0.0000	0.0548	0.2619	0.0391	0.3559
<b>Advanced</b>	0.0000	0.0000	0.0354	0.1175	0.1528
<b>Sum</b>	0.1231	0.3718	0.3485	0.1566	1.0000
<b>Observed Score Dist.</b>	0.1559	0.3737	0.3342	0.1324	

**Indices for Classification Consistency and Classification Accuracy**

	<b>Cut 1</b>	<b>Cut 2</b>	<b>Cut 3</b>	<b>All Cuts</b>
<b>Classification Agreement (P)</b>	0.9428	0.8940	0.9255	0.7623
<b>Chance Probability (Pc)</b>	0.7820	0.5001	0.7384	0.2993
<b>Kappa</b>	0.7377	0.7880	0.7152	0.6608
<b>Classification Accuracy</b>	0.9582	0.9226	0.9437	0.8245

**Table 278. Classification Consistency and Classification Accuracy for Science Grade 8****Contingency Table with All Cut Scores**

	<b>Unsatisfactory</b>	<b>Partially Proficient</b>	<b>Proficient</b>	<b>Advanced</b>	<b>Sum</b>
<b>Unsatisfactory</b>	0.1793	0.0380	0.0003	0.0000	0.2176
<b>Partially Proficient</b>	0.0390	0.1799	0.0522	0.0000	0.2711
<b>Proficient</b>	0.0003	0.0395	0.3484	0.0277	0.4159
<b>Advanced</b>	0.0000	0.0000	0.0268	0.0686	0.0954
<b>Sum</b>	0.2186	0.2574	0.4276	0.0963	1.0000
<b>Observed Score Dist.</b>	0.2342	0.2623	0.4116	0.0821	

**Indices for Classification Consistency and Classification Accuracy**

	<b>Cut 1</b>	<b>Cut 2</b>	<b>Cut 3</b>	<b>All Cuts</b>
<b>Classification Agreement (P)</b>	0.9224	0.9077	0.9455	0.7762
<b>Chance Probability (Pc)</b>	0.6589	0.5005	0.8266	0.3044
<b>Kappa</b>	0.7724	0.8152	0.6857	0.6782
<b>Classification Accuracy</b>	0.9473	0.9324	0.9611	0.8408

**Table 279. Classification Consistency and Classification Accuracy for Science Grade 10****Contingency Table with All Cut Scores**

	<b>Unsatisfactory</b>	<b>Partially Proficient</b>	<b>Proficient</b>	<b>Advanced</b>	<b>Sum</b>
<b>Unsatisfactory</b>	0.2480	0.0443	0.0023	0.0000	0.2946
<b>Partially Proficient</b>	0.0385	0.1234	0.0442	0.0000	0.2061
<b>Proficient</b>	0.0016	0.0451	0.3535	0.0238	0.4239
<b>Advanced</b>	0.0000	0.0000	0.0208	0.0545	0.0753
<b>Sum</b>	0.2880	0.2128	0.4209	0.0783	1.0000
<b>Observed Score Dist.</b>	0.2872	0.2131	0.4081	0.0653	

**Indices for Classification Consistency and Classification Accuracy**

	<b>Cut 1</b>	<b>Cut 2</b>	<b>Cut 3</b>	<b>All Cuts</b>
<b>Classification Agreement (P)</b>	0.9133	0.9068	0.9554	0.7793
<b>Chance Probability (Pc)</b>	0.5871	0.5000	0.8582	0.3130
<b>Kappa</b>	0.7900	0.8135	0.6855	0.6788
<b>Classification Accuracy</b>	0.9394	0.9304	0.9685	0.8384

**Table 280. Classification Consistency and Classification Accuracy for Reading Grade 3 (Spanish)****Contingency Table with All Cut Scores**

	<b>Unsatisfactory</b>	<b>Partially Proficient</b>	<b>Proficient</b>	<b>Advanced</b>	<b>Sum</b>
<b>Unsatisfactory</b>	0.1402	0.0293	0.0016	0.0000	0.1711
<b>Partially Proficient</b>	0.0338	0.1201	0.0514	0.0000	0.2053
<b>Proficient</b>	0.0011	0.0557	0.3883	0.0493	0.4945
<b>Advanced</b>	0.0000	0.0000	0.0406	0.0885	0.1291
<b>Sum</b>	0.1751	0.2052	0.4819	0.1378	1.0000
<b>Observed Score Dist.</b>	0.1689	0.2004	0.5162	0.1145	

**Indices for Classification Consistency and Classification Accuracy**

	<b>Cut 1</b>	<b>Cut 2</b>	<b>Cut 3</b>	<b>All Cuts</b>
<b>Classification Agreement (P)</b>	0.9342	0.8901	0.9101	0.7371
<b>Chance Probability (Pc)</b>	0.7137	0.5296	0.7687	0.3282
<b>Kappa</b>	0.7701	0.7665	0.6113	0.6087
<b>Classification Accuracy</b>	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**

	<b>Unsatisfactory</b>	<b>Partially Proficient</b>	<b>Proficient</b>	<b>Advanced</b>	<b>Sum</b>
<b>Unsatisfactory</b>	0.2899	0.0497	0.0003	0.0000	0.3399
<b>Partially Proficient</b>	0.0493	0.1740	0.0466	0.0000	0.2698
<b>Proficient</b>	0.0005	0.0479	0.3058	0.0105	0.3647
<b>Advanced</b>	0.0000	0.0000	0.0089	0.0166	0.0255
<b>Sum</b>	0.3397	0.2717	0.3617	0.0270	1.0000
<b>Observed Score Dist.</b>	0.3554	0.2771	0.3434	0.0241	

**Indices for Classification Consistency and Classification Accuracy**

	<b>Cut 1</b>	<b>Cut 2</b>	<b>Cut 3</b>	<b>All Cuts</b>
<b>Classification Agreement (P)</b>	0.9002	0.9046	0.9806	0.7863
<b>Chance Probability (Pc)</b>	0.5513	0.5244	0.9489	0.3214
<b>Kappa</b>	0.7775	0.7995	0.6212	0.6851
<b>Classification Accuracy</b>	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**

	<b>Unsatisfactory</b>	<b>Partially Proficient</b>	<b>Proficient</b>	<b>Advanced</b>	<b>Sum</b>
<b>Unsatisfactory</b>	0.1091	0.0318	0.0004	0.0000	0.1414
<b>Partially Proficient</b>	0.0300	0.1427	0.0577	0.0003	0.2307
<b>Proficient</b>	0.0005	0.0547	0.2686	0.0624	0.3862
<b>Advanced</b>	0.0000	0.0001	0.0599	0.1817	0.2417
<b>Sum</b>	0.1396	0.2294	0.3866	0.2444	1.0000
<b>Observed Score Dist.</b>	0.1332	0.2354	0.3975	0.2339	

**Indices for Classification Consistency and Classification Accuracy**

	<b>Cut 1</b>	<b>Cut 2</b>	<b>Cut 3</b>	<b>All Cuts</b>
<b>Classification Agreement (P)</b>	0.9373	0.8863	0.8773	0.7022
<b>Chance Probability (Pc)</b>	0.7585	0.5335	0.6320	0.2810
<b>Kappa</b>	0.7404	0.7562	0.6666	0.5857
<b>Classification Accuracy</b>	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**

	<b>Unsatisfactory</b>	<b>Partially Proficient</b>	<b>Proficient</b>	<b>Advanced</b>	<b>Sum</b>
<b>Unsatisfactory</b>	0.3844	0.0782	0.0010	0.0000	0.4636
<b>Partially Proficient</b>	0.0646	0.1973	0.0445	0.0000	0.3065
<b>Proficient</b>	0.0010	0.0519	0.1642	0.0040	0.2210
<b>Advanced</b>	0.0000	0.0000	0.0036	0.0053	0.0089
<b>Sum</b>	0.4500	0.3274	0.2133	0.0093	1.0000
<b>Observed Score Dist.</b>	0.3313	0.3976	0.2530	0.0181	

**Indices for Classification Consistency and Classification Accuracy**

	<b>Cut 1</b>	<b>Cut 2</b>	<b>Cut 3</b>	<b>All Cuts</b>
<b>Classification Agreement (P)</b>	0.8552	0.9016	0.9924	0.7512
<b>Chance Probability (Pc)</b>	0.5036	0.6499	0.9820	0.3562
<b>Kappa</b>	0.7082	0.7191	0.5801	0.6136
<b>Classification Accuracy</b>	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
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
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
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

**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
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
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
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