Tables

Table 1. The Colorado Model Content Standards and Subcontent Areas.....105

Table 2. Configuration of 2007 CSAP Assessments 107

Table 3. Configuration of 2007 CSAP Reading Assessments by Grade, Content Standard, Subcontent Area, and Item Type.....108

Table 4. Configuration of 2007 CSAP Writing Assessments by Grade, Content Standard, Subcontent Area, and Item Type.....109

Table 5. Configuration of 2007 CSAP Mathematics Assessments by Grade, Content Standard, Subcontent Area, and Item Type 110

Table 6. Configuration of 2007 CSAP Science Assessments by Grade, Content Standard, Subcontent Area, and Item Type.....111

Table 7. DIF and Fit Flags for Previously Administered Items Selected for 2007 Test Forms 112

Table 8. Lowest and Highest Obtainable Scale Scores for the CSAP Assessments.....114

Table 9. Rater Reliability Statistics -- Mathematics 115

Table 10. Rater Reliability Statistics -- Reading 118

Table 11. Rater Reliability Statistics -- Writing 121

Table 12. Rater Reliability Statistics -- Science.....124

Table 13. Rater Reliability Statistics – Spanish Reading.....126

Table 14. Rater Reliability Statistics – Spanish Writing.....127

Table 15. Rater Severity Study Results.....128

Table 16. Tested Population Demographic Distribution - Mathematics.....131

Table 17. Tested Population Demographic Distribution - Reading.....132

Table 18. Tested Population Demographic Distribution - Writing 133

Table 19. Tested Population Demographic Distribution – Science.....134

Table 20. Tested Population Demographic Distribution – Spanish Reading and Writing .135

Table 21. Multiple-Choice Item Analyses, English Grade 3 Reading..... 136

Table 22. Constructed-Response Item Analyses, English Grade 3 Reading..... 136

Table 23. Multiple-Choice Item Analyses, Spanish Grade 3 Reading..... 137

Table 24. Constructed-Response Item Analyses, Spanish Grade 3 Reading..... 137

Table 25. Multiple-Choice Item Analyses, English Grade 3 Writing..... 138

Table 26. Constructed-Response Item Analyses, English Grade 3 Writing..... 138

Table 27. Multiple-Choice Item Analyses, Spanish Grade 3 Writing..... 139

Table 28. Constructed-Response Item Analyses, Spanish Grade 3 Writing..... 139

Table 29. Multiple-Choice Item Analyses, English Grade 3 Mathematics..... 140

Table 30. Constructed-Response Item Analyses, English Grade 3 Mathematics..... 140

Table 31. Multiple-Choice Item Analyses, English Grade 4 Reading..... 141

Table 32. Constructed-Response Item Analyses, English Grade 4 Reading..... 142

Table 33. Multiple-Choice Item Analyses, Spanish Grade 4 Reading..... 143

Table 34. Constructed-Response Item Analyses, Spanish Grade 4 Reading..... 144

Table 35. Multiple-Choice Item Analyses, English Grade 4 Writing..... 145

Table 36. Constructed-Response Item Analyses, English Grade 4 Writing..... 145

Table 37. Multiple-Choice Item Analyses, Spanish Grade 4 Writing..... 146

Table 38. Constructed-Response Item Analyses, Spanish Grade 4 Writing..... 146

Table 39. Multiple-Choice Item Analyses, English Grade 4 Mathematics..... 147

Table 40. Constructed-Response Item Analyses, English Grade 4 Mathematics..... 148

Table 41. Multiple-Choice Item Analyses, English Grade 5 Reading..... 149

Table 42. Constructed-Response Item Analyses, English Grade 5 Reading..... 150

Table 43. Multiple-Choice Item Analyses, English Grade 5 Writing..... 151

Table 44. Constructed-Response Item Analyses, English Grade 5 Writing..... 151

Table 45. Multiple-Choice Item Analyses, English Grade 5 Mathematics..... 152

Table 46. Constructed-Response Item Analyses, English Grade 5 Mathematics 153

Table 47. Multiple-Choice Item Analyses, English Grade 5 Science 154

Table 48. Constructed-Response Item Analyses, English Grade 5 Science 155

Table 49. Multiple-Choice Item Analyses, English Grade 6 Reading 156

Table 50. Constructed-Response Item Analyses, English Grade 6 Reading 157

Table 51. Multiple-Choice Item Analyses, English Grade 6 Writing.....158

Table 52. Constructed-Response Item Analyses, English Grade 6 Writing.....158

Table 53. Multiple-Choice Item Analyses, English Grade 6 Mathematics 159

Table 54. Constructed-Response Item Analyses, English Grade 6 Mathematics 159

Table 55. Multiple-Choice Item Analyses, English Grade 7 Reading 160

Table 56. Constructed-Response Item Analyses, English Grade 7 Reading 161

Table 57. Multiple-Choice Item Analyses, English Grade 7 Writing.....162

Table 58. Constructed-Response Item Analyses, English Grade 7 Writing.....162

Table 59. Multiple-Choice Item Analyses, English Grade 7 Mathematics 163

Table 60. Constructed-Response Item Analyses, English Grade 7 Mathematics 163

Table 61. Multiple-Choice Item Analyses, English Grade 8 Reading 164

Table 62. Constructed-Response Item Analyses, English Grade 8 Reading 165

Table 63. Multiple-Choice Item Analyses, English Grade 8 Writing.....166

Table 64. Constructed-Response Item Analyses, English Grade 8 Writing.....166

Table 65. Multiple-Choice Item Analyses, English Grade 8 Mathematics 167

Table 66. Constructed-Response Item Analyses, English Grade 8 Mathematics 167

Table 67. Multiple-Choice Item Analyses, English Grade 8 Science 168

Table 68. Constructed-Response Item Analyses, English Grade 8 Science 169

Table 69. Multiple-Choice Item Analyses, English Grade 9 Reading 170

Table 70. Constructed-Response Item Analyses, English Grade 9 Reading 171

Table 71. Multiple-Choice Item Analyses, English Grade 9 Writing 172

Table 72. Constructed-Response Item Analyses, English Grade 9 Writing 172

Table 73. Multiple-Choice Item Analyses, English Grade 9 Mathematics 173

Table 74. Constructed-Response Item Analyses, English Grade 9 Mathematics 173

Table 75. Multiple-Choice Item Analyses, English Grade 10 Reading 174

Table 76. Constructed-Response Item Analyses, English Grade 10 Reading 175

Table 77. Multiple-Choice Item Analyses, English Grade 10 Writing 176

Table 78. Constructed-Response Item Analyses, English Grade 10 Writing 176

Table 79. Multiple-Choice Item Analyses, English Grade 10 Mathematics 177

Table 80. Constructed-Response Item Analyses, English Grade 10 Mathematics 177

Table 81. Multiple-Choice Item Analyses, English Grade 10 Science 178

Table 82. Constructed-Response Item Analyses, English Grade 10 Science 179

Table 83. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 3 English Reading 180

Table 84. Item Parameter and Fit Summary, Constructed-Response Items, Grade 3 English Reading 180

Table 85. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 3 Spanish Reading 181

Table 86. Item Parameter and Fit Summary, Constructed-Response Items, Grade 3 Spanish Reading 181

Table 87. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 3 English Writing 182

Table 88. Item Parameter and Fit Summary, Constructed-Response Items, Grade 3 English Writing 183

Table 89. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 3 Spanish Writing 184

Table 90. Item Parameter and Fit Summary, Constructed-Response Items, Grade 3 Spanish Writing 185

Table 91. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 3 English Mathematics 186

Table 92. Item Parameter and Fit Summary, Constructed-Response Items, Grade 3 English Mathematics 186

Table 93. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 4 English Reading 187

Table 94. Item Parameter and Fit Summary, Constructed-Response Items, Grade 4 English Reading 188

Table 95. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 4 Spanish Reading 189

Table 96. Item Parameter and Fit Summary, Constructed-Response Items, Grade 4 Spanish Reading 190

Table 97. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 4 English Writing 191

Table 98. Item Parameter and Fit Summary, Constructed-Response Items, Grade 4 English Writing 192

Table 99. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 4 Spanish Writing 193

Table 100. Item Parameter and Fit Summary, Constructed-Response Items, Grade 4 Spanish Writing 194

Table 101. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 4 English Mathematics 195

Table 102. Item Parameter and Fit Summary, Constructed-Response Items, Grade 4 English Mathematics 196

Table 103. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 5 English Reading 197

Table 104. Item Parameter and Fit Summary, Constructed-Response Items, Grade 5 English Reading 198

Table 105. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 5 English Writing 199

Table 106. Item Parameter and Fit Summary, Constructed-Response Items, Grade 5 English Writing 200

Table 107. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 5 English Mathematics 201

Table 108. Item Parameter and Fit Summary, Constructed-Response Items, Grade 5 English Mathematics..... 202

Table 109. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 5 English Science..... 203

Table 110 Item Parameter and Fit Summary, Constructed-Response Items, Grade 5 English Science 204

Table 111. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 6 English Reading 205

Table 112. Item Parameter and Fit Summary, Constructed-Response Items, Grade 6 English Reading 206

Table 113. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 6 English Writing 207

Table 114. Item Parameter and Fit Summary, Constructed-Response Items, Grade 6 English Writing..... 208

Table 115. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 6 English Mathematics 209

Table 116. Item Parameter and Fit Summary, Constructed-Response Items, Grade 6 English Mathematics..... 210

Table 117. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 7 English Reading 211

Table 118. Item Parameter and Fit Summary, Constructed-Response Items, Grade 7 English Reading 212

Table 119. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 7 English Writing 213

Table 120. Item Parameter and Fit Summary, Constructed-Response Items, Grade 7 English Writing..... 214

Table 121. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 7 English Mathematics 215

Table 122. Item Parameter and Fit Summary, Constructed-Response Items, Grade 7 English Mathematics..... 216

Table 123. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 8 English Reading 217

Table 124. Item Parameter and Fit Summary, Constructed-Response Items, Grade 8 English Reading 218

Table 125. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 8 English Writing 219

Table 126. Item Parameter and Fit Summary, Constructed-Response Items, Grade 8 English Writing 220

Table 127. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 8 English Mathematics 221

Table 128. Item Parameter and Fit Summary, Constructed-Response Items, Grade 8 English Mathematics 222

Table 129. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 8 English Science 223

Table 130. Item Parameter and Fit Summary, Constructed-Response Items, Grade 8 English Science 224

Table 131. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 9 English Reading 225

Table 132. Item Parameter and Fit Summary, Constructed-Response Items, Grade 9 English Reading 226

Table 133. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 9 English Writing 227

Table 134. Item Parameter and Fit Summary, Constructed-Response Items, Grade 9 English Writing 228

Table 135. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 9 English Mathematics 229

Table 136. Item Parameter and Fit Summary, Constructed-Response Items, Grade 9 English Mathematics 230

Table 137. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 10 English Reading 231

Table 138. Item Parameter and Fit Summary, Constructed-Response Items, Grade 10 English Reading 232

Table 139. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 10 English Writing 233

Table 140. Item Parameter and Fit Summary, Constructed-Response Items, Grade 10 English Writing 234

Table 141. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 10 English Mathematics 235

Table 142. Item Parameter and Fit Summary, Constructed-Response Items, Grade 10 English Mathematics 236

Table 143. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 10 English Science 237

Table 144. Item Parameter and Fit Summary, Constructed-Response Items, Grade 10 English Science 238

Table 145. Correlations Between the Reference and New Form Item Parameters for the 2007 CSAP Administration 239

Table 146. Scaling Constants Across Grades and Content Areas for Two Administrations240

Table 147. CSAP Item and Anchor Count by Content Standard for Final Calibration Sample: Reading 241

Table 148. CSAP Item and Anchor Count by Content Standard for Final Calibration Sample: Mathematics 243

Table 149. CSAP Item and Anchor Count by Content Standard for Final Calibration Sample: Writing 246

Table 150. CSAP Item and Anchor Count by Content Standard for Final Calibration Sample: Science 248

Table 151. CSAP Item and Anchor Count by Content Standard for Final Calibration Sample: Reading & Writing Spanish 249

Table 152. Scale Score Descriptive Statistics by Gender 250

Table 153. Scale Score Descriptive Statistics by Content Standard 251

Table 154. Scale Score Descriptive Statistics by Subcontent Area 252

Table 155. Raw Score Descriptive Statistics by Content Standard 253

Table 156. Raw Score Descriptive Statistics by Subcontent Area 254

Table 157. Reading 3 Scale Score Distribution 256

Table 158. Spanish Reading 3 Scale Score Distribution 260
Table 159. Writing 3 Scale Score Distribution 262
Table 160. Spanish Writing 3 Scale Score Distribution 265
Table 161. Mathematics 3 Scale Score Distribution 268
Table 162. Reading 4 Scale Score Distribution 272
Table 163. Spanish Reading 4 Scale Score Distribution 276
Table 164. Writing 4 Scale Score Distribution 277
Table 165. Spanish Writing 4 Scale Score Distribution 280
Table 166. Mathematics 4 Scale Score Distribution 281
Table 167. Reading 5 Scale Score Distribution 285
Table 168. Writing 5 Scale Score Distribution 289
Table 169. Mathematics 5 Scale Score Distribution 292
Table 170. Science 5 Scale Score Distribution 296
Table 171. Reading 6 Scale Score Distribution 299
Table 172. Writing 6 Scale Score Distribution 303
Table 173. Mathematics 6 Scale Score Distribution 307
Table 174. Reading 7 Scale Score Distribution 311
Table 175. Writing 7 Scale Score Distribution 315
Table 176. Mathematics 7 Scale Score Distribution 319
Table 177. Reading 8 Scale Score Distribution 323
Table 178. Writing 8 Scale Score Distribution 327
Table 179. Mathematics 8 Scale Score Distribution 331
Table 180. Science 8 Scale Score Distribution 335
Table 181. Reading 9 Scale Score Distribution 338
Table 182. Writing 9 Scale Score Distribution 341

Table 183. Mathematics 9 Scale Score Distribution 345

Table 184. Reading 10 Scale Score Distribution 349

Table 185. Writing 10 Scale Score Distribution 353

Table 186. Mathematics 10 Scale Score Distribution 358

Table 187. Science 10 Scale Score Distribution 361

Table 188. Scale Score Correlations by Content Standard and Subcontent Area, Reading Grade 3..... 364

Table 189. Scale Score Correlations by Content Standard and Subcontent Area, Reading Grade 4..... 364

Table 190. Scale Score Correlations by Content Standard and Subcontent Area, Reading Grade 5..... 364

Table 191. Scale Score Correlations by Content Standard and Subcontent Area Reading Grade 6..... 365

Table 192. Scale Score Correlations by Content Standard and Subcontent Area, Reading Grade 7..... 365

Table 193. Scale Score Correlations by Content Standard and Subcontent Area, Reading Grade 8..... 365

Table 194. Scale Score Correlations by Content Standard and Subcontent Area, Reading Grade 9..... 366

Table 195. Scale Score Correlations by Content Standard and Subcontent Area, Reading Grade 10..... 366

Table 196. Scale Score Correlations by Content Standard and Subcontent Area, Writing Grade 3..... 367

Table 197. Scale Score Correlations by Content Standard and Subcontent Area, Writing Grade 4..... 367

Table 198. Scale Score Correlations by Content Standard and Subcontent Area, Writing Grade 5..... 367

Table 199. Scale Score Correlations by Content Standard and Subcontent Area, Writing Grade 6..... 368

Table 200. Scale Score Correlations by Content Standard and Subcontent Area, Writing Grade 7..... 368

Table 201. Scale Score Correlations by Content Standard and Subcontent Area, Writing Grade 8 368

Table 202.Scale Score Correlations by Content Standard and Subcontent Area, Writing Grade 9 369

Table 203. Scale Score Correlations by Content Standard and Subcontent Area, Writing Grade 10 369

Table 204. Scale Score Correlations by Content Standard and Subcontent Area, Mathematics Grade 3 370

Table 205. Scale Score Correlations by Content Standard and Subcontent Area, Mathematics Grade 4 370

Table 206. Scale Score Correlations by Content Standard and Subcontent Area, Mathematics Grade 5 370

Table 207. Scale Score Correlations by Content Standard and Subcontent Area, Mathematics Grade 6 371

Table 208. Scale Score Correlations by Content Standard and Subcontent Area, Mathematics Grade 7 371

Table 209. Scale Score Correlations by Content Standard and Subcontent Area, Mathematics Grade 8 371

Table 210. Scale Score Correlations by Content Standard and Subcontent Area, Mathematics Grade 9 372

Table 211. Scale Score Correlations by Content Standard and Subcontent Area, Mathematics Grade 10 372

Table 212. Scale Score Correlations by Content Standard and Subcontent Area, Science Grade 5 373

Table 213. Scale Score Correlations by Content Standard and Subcontent Area, Science Grade 8 373

Table 214. Scale Score Correlations by Content Standard and Subcontent Area, Science Grade 10 373

Table 215. Scale Score Correlations by Content Standard and Subcontent Area, Spanish Reading Grade 3 374

Table 216. Scale Score Correlations by Content Standard and Subcontent Area, Spanish Reading Grade 4 374

Table 217. Scale Score Correlations by Content Standard and Subcontent Area, Spanish Writing Grade 3 375

Table 218. WR Scale Score Correlations by Content Standard and Subcontent Area, Spanish Writing Grade 4..... 375

Table 219. Cronbach Alpha Reliability Coefficients for Content Standards 376

Table 220. Cronbach Alpha Reliability Coefficients for Subcontent Areas..... 377

Table 221. Subgroup Reliability for the CSAP Mathematics Tests 378

Table 222. Subgroup Reliability for the CSAP Reading Tests 382

Table 223. Subgroup Reliability for the CSAP Writing Tests 386

Table 224. Subgroup Reliability for the CSAP Science Tests..... 390

Table 225. Subgroup Reliability for the CSAP Spanish Reading Tests 392

Table 226. Subgroup Reliability for the CSAP Spanish Writing Tests 393

Table 227. Scale Scores by Accommodation and Disability Classification 394

Table 228. Overall Estimates of Standard Error of Measurement 396

Table 229. Reading Scale Scores and Associated Standard Errors..... 397

Table 230. Writing Scale Scores and Associated Standard Errors..... 398

Table 231. Spanish Reading and Writing Scale Scores and Associated Standard Errors 399

Table 232. Mathematics Scale Scores and Associated Standard Errors..... 400

Table 233. Science Scale Scores and Associated Standard Errors 401

Table 234. Cut Scores for the 2007 CSAP Tests 402

Table 235. Alignment Summary, Reading & Writing..... 403

Table 236. Alignment Summary, Mathematics 404

Table 237. Alignment Summary, Science..... 405

Table 238. Alignment Summary, Spanish Reading & Writing..... 405

Table 239. Items Flagged for DIF by Ethnicity Focal Group 406

Table 240. Items Flagged for DIF by Gender Focal Group,..... 407

Table 241. Items Flagged for DIF by Accommodations Focal Group 408

Table 242. Items Flagged for DIF by Primary Disability State Focal Group 412

Table 243. Items Flagged for DIF by Enrollment Focal Group 416

Table 244. Items Flagged for DIF by Language Proficiency Focal Group 419

Table 245. Items Flagged for DIF by Education Plan Focal Group 430

Table 246. Items Flagged for DIF by Homeless, Immigrant, and Migrant Focal Groups...432

Table 247. Inter-correlation among Content Areas (Scale Scores) 437

Table 248. Inter-correlation among Content Areas (Percentile Ranks) 438

Table 249. Inter-correlation with Demographic Variables.....439

Table 250. Predictive Validity Coefficients 440

Table 251. Classification Consistency and Classification Accuracy for Mathematics Grade 3441

Table 252. Classification Consistency and Classification Accuracy for Mathematics Grade 4442

Table 253. Classification Consistency and Classification Accuracy for Mathematics Grade 5443

Table 254. Classification Consistency and Classification Accuracy for Mathematics Grade 6444

Table 255. Classification Consistency and Classification Accuracy for Mathematics Grade 7445

Table 256. Classification Consistency and Classification Accuracy for Mathematics Grade 8446

Table 257. Classification Consistency and Classification Accuracy for Mathematics Grade 9447

Table 258. Classification Consistency and Classification Accuracy for Mathematics Grade 10 448

Table 259. Classification Consistency and Classification Accuracy for Reading Grade 3.449

Table 260. Classification Consistency and Classification Accuracy for Reading Grade 4.450

Table 261. Classification Consistency and Classification Accuracy for Reading Grade 5.451

Table 262. Classification Consistency and Classification Accuracy for Reading Grade 6.452

Table 263. Classification Consistency and Classification Accuracy for Reading Grade 7.453

Table 264. Classification Consistency and Classification Accuracy for Reading Grade 8.454

Table 265. Classification Consistency and Classification Accuracy for Reading Grade 9.455

Table 266. Classification Consistency and Classification Accuracy for Reading Grade 10456

Table 267. Classification Consistency and Classification Accuracy for Science Grade 5. 457

Table 268. Classification Consistency and Classification Accuracy for Science Grade 8. 458

Table 269. Classification Consistency and Classification Accuracy for Science Grade 10459

Table 270. Classification Consistency and Classification Accuracy for Writing Grade 3 .. 460

Table 271. Classification Consistency and Classification Accuracy for Writing Grade 4 .. 461

Table 272. Classification Consistency and Classification Accuracy for Writing Grade 5 .. 462

Table 273. Classification Consistency and Classification Accuracy for Writing Grade 6 .. 463

Table 274. Classification Consistency and Classification Accuracy for Writing Grade 7 .. 464

Table 275. Classification Consistency and Classification Accuracy for Writing Grade 8 .. 465

Table 276. Classification Consistency and Classification Accuracy for Writing Grade 9 .. 466

Table 277. Classification Consistency and Classification Accuracy for Writing Grade 10 467

Table 278. Classification Consistency and Classification Accuracy for Spanish Reading Grade 3..... 468

Table 279. Classification Consistency and Classification Accuracy for Spanish Reading Grade 4..... 469

Table 280. Classification Consistency and Classification Accuracy for Spanish Writing Grade 3..... 470

Table 281. Classification Consistency and Classification Accuracy for Spanish Writing Grade 4..... 471

Table 282. Mean and Median Scale Scores by Year for Writing Subcontent Areas: Paragraph Writing and Extended Writing..... 472

Table 1. The Colorado Model Content Standards and Subcontent Areas

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

Table 1. The Colorado Model Content Standards and Subcontent Areas (Concluded)

Mathematics (Continued)		
Subcontent Areas		
SA	Grades	
1	4-6	Number and Operational Sense
1	7	Number Sense
1	8	Linear Pattern Representation
1	9	Multiple Representations of Linear/Nonlinear Functions
1	10	Multiple Representations of Functions
2	4-6	Patterns
2	7	Area and Perimeter Relationships
2	8-9	Proportional Thinking
2	10	Probability and Counting Techniques
3	4	Measurement
3	5	Data Displays
3	6 and 8	Geometry
Science		
Content Standards		
CS	Grades	
1/6	5, 8, and 10	Scientific Investigations and Connections Among Scientific Disciplines
2/5	5, 8, and 10	Physical Science and Its Interrelationship with Technology and Human Activity
3/5	5, 8, and 10	Life Science and Its Interrelationship with Technology and Human Activity
4/5	5, 8, and 10	Earth and Space Science and Its Interrelationship with Technology and Human Activity
Subcontent Areas		
SA	Grades	
1	5, 8, and 10	Experimental Design & Investigations
2	5, 8, and 10	Results & Data Analysis
3	8 and 10	Physics Concepts
4	8 and 10	Chemistry Concepts
5	8 and 10	Earth Science

Table 2. Configuration of 2007 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	0	5	2	1
Reading	4	91	56	14	70	0	8	5	1
Reading	5	91	56	14	70	0	7	7	0
Reading	6	91	56	14	70	0	7	7	0
Reading	7	91	56	14	70	0	7	7	0
Reading	8	91	56	14	70	0	8	5	1
Reading	9	95	56	14	70	0	3	11	0
Reading*[1]	10	94	55	14	69	0	4	9	1
Writing	3	56	35	18	53	15	3	0	0
Writing	4	69	40	13	53	7	1	0	5
Writing	5	69	40	13	53	7	1	0	5
Writing	6	69	40	13	53	7	1	0	5
Writing	7	69	40	13	53	7	1	0	5
Writing	8	69	40	13	53	7	1	0	5
Writing*[1]	9	68	39	13	52	7	1	0	5
Writing	10	69	40	13	53	7	1	0	5
Spanish Reading	3	52	32	8	40	0	4	4	0
Spanish Reading	4	91	56	14	70	0	7	7	0
Spanish Writing	3	56	35	18	53	15	3	0	0
Spanish Writing	4	69	40	13	53	7	1	0	5
Mathematics	3	50	32	8	40	0	6	2	0
Mathematics	4	96	54	15	69	0	6	6	3
Mathematics	5	96	54	15	69	0	6	6	3
Mathematics	6	87	45	15	60	0	6	6	3
Mathematics*[1]	7	86	44	15	59	0	6	6	3
Mathematics	8	87	45	15	60	0	6	6	3
Mathematics	9	87	45	15	60	0	6	6	3
Mathematics *[1]	10	86	44	15	59	0	6	6	3
Science*[2]	5	86	55	18	73	5	13	0	0
Science*[2]	8	98	58	23	81	8	14	0	1
Science	10	100	60	23	83	8	14	0	1

*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] 2 MC items removed

Table 3. Configuration of 2007 CSAP Reading Assessments by Grade, Content Standard, Subcontent Area, and Item Type

			Content Standard								Subcontent Area									
			1		4		5		6		1		1/4		2		3		4	
Grade	Content Area	Item Type	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									4	9	4	11				
4	Reading	MC	23	23	9	9	16	16	8	8			20	20	10	10	10	10		
		CR	6	14	3	9	1	2	4	10			9	24	4	9				
5	Reading	MC	18	18	20	20	12	12	6	6			20	20	14	14	10	10		
		CR	5	13			3	8	6	14			7	17	4	10				
6	Reading	MC	17	17	18	18	12	12	9	9			15	15	18	18	11	11		
		CR	5	14	1	2	3	8	5	11			4	9	7	18				
7	Reading	MC	15	15	16	16	15	15	10	10	16	16			8	8	10	10	7	7
		CR	6	16	2	4	2	5	4	10	6	16			3	7			3	7
8	Reading	MC	19	19	12	12	13	13	12	12	15	15			13	13	10	10	5	5
		CR	5	12	3	8	2	7	4	8	5	11			5	12			2	5
9	Reading	MC	15	15	12	12	18	18	11	11	9	9			11	11	10	10	8	8
		CR	6	17	3	9	1	3	4	10	2	5			8	23			3	8
10	Reading[1]	MC	15	15	10	10	18	18	12	12	15	15			8	8	10	10	4	4
		CR	6	17	4	11	1	3	3	8	6	17			5	13			2	6
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				

[1] Removed one MC item from calibration in CS6 –SA1

Table 4. Configuration of 2007 CSAP Writing Assessments by Grade, Content Standard, Subcontent Area, and Item Type

			Content Standard				Subcontent Area							
			2		3		5		6		7		8	
Grade	Content Area	Item Type	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	5	5			12	12	11	11
		CR	9	12	9	9	12	15			3	3	3	3
4	Writing	MC	15	15	25	25	8	8			19	19	6	6
		CR	6	21	7	8	3	12	4	11	3	3	3	3
5	Writing	MC	15	15	25	25	10	10			20	20	9	9
		CR	6	21	7	8	3	12	4	11	1	1	5	5
6	Writing	MC	15	15	25	25	6	6			24	24	8	8
		CR	6	21	7	8	3	12	4	11	1	1	5	5
7	Writing	MC	15	15	25	25	6	6			18	18	14	14
		CR	6	21	7	8	3	12	4	11	3	3	3	3
8	Writing	MC	15	15	25	25	6	6			17	17	12	12
		CR	6	21	7	8	3	12	4	11	2	2	4	4
9	Writing[1]	MC	15	15	24	24	8	8			15	15	12	12
		CR	6	21	7	8	3	12	4	11	2	2	4	4
10	Writing	MC	15	15	25	25	7	7			18	18	8	8
		CR	6	21	7	8	3	12	4	11	3	3	3	3
3	Spanish Writing	MC	12	12	23	23					17	17	7	7
		CR	9	12	9	9	12	15			3	3	3	3
4	Spanish Writing	MC	13	13	27	27	6	6			15	15	12	12
		CR	6	21	7	8	3	12	4	11	4	4	2	2

[1] Removed one MC item from calibration in CS3 --SA7

Table 5. Configuration of 2007 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	
Grade	Content Area	Item Type	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.
		MC	6	6					9	9			12	12	5	5						
3	Mathematics	CR	2	4					2	4			2	5	2	5						
		MC	9	9			7	7			9	9	17	17	12	12	7	7	5	5	8	8
4	Mathematics	CR	3	10			4	10			2	5	4	12	2	5	4	13	4	10	1	3
		MC	14	14			8	8			7	7	12	12	13	13	12	12	3	3	3	3
5	Mathematics	CR	2	5			4	11			4	12	3	9	2	5	2	6	4	11	4	12
		MC	10	10			7	7			7	7	12	12	9	9	8	8	5	5	6	6
6	Mathematics	CR	2	7			3	10			4	11	4	10	2	4	4	11	3	10	4	10
		MC			14	14	9	9			9	9	12	12			4	4	3	3		
7	Mathematics[1]	CR			4	11	3	8			3	9	5	14			3	7	3	9		
		MC			11	11	11	11			9	9	14	14			4	4	9	9	6	6
8	Mathematics	CR			4	11	4	11			3	8	4	12			3	9	4	11	2	7
		MC			11	11	12	12			11	11	11	11			4	4	5	5		
9	Mathematics	CR			3	7	5	14			4	11	3	10			5	16	4	11		
		MC			11	11	12	12			11	11	10	10			4	4	5	5		
10	Mathematics[2]	CR			2	5	5	14			4	11	4	12			4	12	1	2		

[1] Removed one MC item from calibration in CS1/6—SA1

[2] Removed one MC item from calibration in CS1/6—no SA

Table 6. Configuration of 2007 CSAP Science Assessments by Grade, Content Standard, Subcontent Area, and Item Type

Grade	Content Area	Item Type	Content Standard							
			1/6		2/5		3/5		4/5	
			No. of Items	Total Pts.	No. of Items	Total Pts.	No. of Items	Total Pts.	No. of Items	Total Pts.
5	Science[1]	MC	23	23	11	11	10	10	11	11
		CR	8	13	3	4	4	8	3	6
8	Science[2]	MC	22	22	12	12	12	12	12	12
		CR	10	17	4	8	5	8	4	7
10	Science	MC	22	22	13	13	12	12	13	13
		CR	10	16	4	8	4	8	5	8

[1] Removed two MC items from calibration in Grade 5 Science: CS1/6, SA2 and CS2/5
[2] Removed two MC items from calibration in Grade 8 Science: CS1/6, SA1 and CS4/5, SA5

Grade	Content Area	Item Type	Subcontent Area									
			1		2		3		4		5	
			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[1]	MC	13	13	10	10						
		CR	4	7	4	6						
8	Science[2]	MC	9	9	12	12	4	4	8	8	8	8
		CR	4	6	5	9	3	6	1	2	3	5
10	Science	MC	14	14	7	7	5	5	8	8	6	6
		CR	4	5	6	11	2	4	1	2	3	6

[1] Removed two MC items from calibration in Grade 5 Science: CS1/6, SA2 and CS2/5
[2] Removed two MC items from calibration in Grade 8 Science: CS1/6, SA1 and CS4/5, SA5

Table 7. DIF and Fit Flags for Previously Administered Items Selected for 2007 Test Forms

Language	Content Area	Grade	Item Type	2007 Item	2007 Anchor	Year Flagged	DIF Flag	Fit Flag
English	Reading	3	MC	31	*	2005	0	1
English	Reading	5	MC	106	*	2005	0	1
English	Reading	6	CR	40		2005	0	1
English	Reading	7	MC	13	*	2005	0	1
English	Reading	7	MC	108	*	2005	0	1
English	Reading	7	MC	113	*	2004	0	1
English	Reading	8	CR	30		2005	E	0
English	Reading	8	CR	90		2005	G	0
English	Reading	8	MC	100	*	2005	0	1
English	Reading	8	MC	104		2003	E	0
English	Reading	10	CR	31		2003	G	0
English	Reading	10	CR	33		2003	G	0
English	Reading	10	CR	33		2005	G	0
English	Reading	10	CR	116		2003	G	0
English	Reading	10	CR	116		2005	G	0
English	Math	4	CR	9		2005	E	0
English	Math	6	CR	12		2003	0	1
English	Math	6	CR	12		2005	0	1
English	Math	6	CR	51		2003	E	0
English	Math	7	MC	26	*	2003	0	1
English	Math	7	MC	26	*	2005	0	1
English	Math	7	CR	35		2005	0	1
English	Math	7	CR	49		2005	E	0
English	Math	8	CR	2		2005	E	0
English	Math	8	MC	5	*	2005	0	1
English	Math	8	CR	7		2003	0	1
English	Math	8	CR	7		2005	0	1
English	Math	8	MC	27	*	2003	0	1
English	Math	8	MC	27	*	2005	E	1
English	Math	8	MC	32		2003	0	1
English	Math	8	CR	40		2005	E	0
English	Math	8	CR	44		2005	0	1
English	Math	8	CR	48		2003	E	0
English	Math	8	CR	53		2003	0	1
English	Math	9	CR	30		2005	0	1
English	Math	9	CR	54		2003	0	1
English	Math	9	CR	54		2005	0	1
English	Math	10	MC	14	*	2005	0	1
English	Math	10	MC	26		2005	0	1
English	Math	10	CR	40		2003	0	1
English	Math	10	CR	48		2005	0	1
English	Math	10	CR	52		2003	0	1
English	Math	10	CR	52		2005	0	1
English	Math	10	CR	54		2005	0	1

Table 7. DIF and Fit Flags for Previously Administered Items Selected for 2007 Test Forms (Concluded)

Language	Content Area	Grade	Item Type	2007 Item	2007 Anchor	Year Flagged	DIF Flag*	Fit Flag*
English	Writing	4	CR	51		2005	0	1
English	Writing	4	CR	65		2003	E	0
English	Writing	4	CR	65		2005	G	0
English	Writing	5	CR	3A		2005	0	1
English	Writing	5	CR	116		2003	0	1
English	Writing	6	CR	116		2003	G	1
English	Writing	7	CR	3A		2005	0	1
English	Writing	7	CR	91		2005	0	1
English	Writing	8	MC	70	*	2005	E	0
English	Writing	8	CR	88		2005	0	1
English	Writing	10	CR	93		2005	0	1
Spanish	Reading	3	MC	7	*	2004	0	1
Spanish	Reading	3	CR	26		2002	0	1
Spanish	Reading	3	CR	26		2003	0	1
Spanish	Reading	3	CR	26		2006	0	1
Spanish	Reading	4	MC	15	*	2005	0	1
Spanish	Reading	4	MC	23	*	2004	0	1
Spanish	Reading	4	MC	26		2003	0	1
Spanish	Reading	4	MC	28	*	2005	0	1
Spanish	Reading	4	CR	44		2004	0	1
Spanish	Reading	4	MC	48		2004	0	1
Spanish	Reading	4	MC	92		2003	0	1
Spanish	Reading	4	MC	92		2004	0	1
Spanish	Reading	4	MC	94		2003	0	1
Spanish	Reading	4	MC	107	*	2005	0	1
Spanish	Reading	4	MC	113		2004	0	1
Spanish	Writing	3	MC	34		2004	0	1
Spanish	Writing	4	CR	3A		2005	0	1
Spanish	Writing	4	MC	52	*	2005	0	1
Spanish	Writing	4	MC	55	*	2005	0	1
Spanish	Writing	4	MC	61		2005	0	1
Spanish	Writing	4	MC	65	*	2005	G	0
Spanish	Writing	4	MC	71	*	2004	0	1
Spanish	Writing	4	MC	74		2004	0	1
Spanish	Writing	4	MC	76		2005	0	1
Spanish	Writing	4	MC	79		2004	0	1
Spanish	Writing	4	MC	85		2004	0	1

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

Table 8. Lowest and Highest Obtainable Scale Scores for the CSAP Assessments

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

Table 9. 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	2888	2	0.88	0.88	0.94	0.93	0.94	93.8	4.5	98.3
3	10	2889	2	1.43	1.42	0.65	0.65	0.95	96.1	4.0	100.0
3	14	2884	2	1.13	1.14	0.83	0.84	0.88	87.7	11.0	98.8
3	20	2874	3	2.11	2.08	0.84	0.86	0.85	81.2	17.9	99.1
3	31	2885	2	1.33	1.33	0.83	0.83	0.95	94.4	5.3	99.7
3	34	2883	2	1.22	1.22	0.74	0.75	0.92	91.1	8.8	99.9
3	38	2874	2	1.54	1.54	0.63	0.64	0.93	94.6	5.2	99.8
3	40	2849	3	2.06	2.05	0.84	0.84	0.92	88.7	11.2	100.0
4	6	2858	2	1.56	1.56	0.61	0.61	0.93	95.2	4.8	100.0
4	9	2865	3	2.12	2.12	0.91	0.92	0.90	85.1	14.4	99.5
4	13	2861	2	0.89	0.89	0.87	0.87	0.87	83.4	15.9	99.3
4	14	2865	3	2.63	2.63	0.67	0.67	0.85	89.6	9.7	99.3
4	23	2862	4	2.51	2.52	0.99	0.98	0.81	74.9	21.6	96.4
4	27	2865	2	1.51	1.52	0.64	0.64	0.92	94.6	5.1	99.8
4	30	2866	3	2.48	2.48	0.91	0.92	0.90	91.0	7.1	98.0
4	38	2858	3	1.47	1.45	1.10	1.10	0.89	78.3	20.5	98.8
4	39	2853	2	1.06	1.07	0.91	0.91	0.94	92.6	7.0	99.6
4	46	2857	4	2.71	2.70	1.10	1.09	0.91	83.4	15.6	99.0
4	50	2858	2	1.06	1.07	0.56	0.57	0.83	90.7	8.8	99.5
4	56	2847	3	1.97	1.97	1.03	1.02	0.88	78.2	20.6	98.8
4	59	2859	2	1.55	1.55	0.74	0.75	0.95	96.1	3.5	99.6
4	63	2859	3	1.66	1.68	1.11	1.13	0.95	92.4	6.7	99.1
4	69	2802	4	2.62	2.63	1.45	1.45	0.94	84.4	12.5	96.9
5	3	2784	2	1.14	1.14	0.87	0.87	0.90	86.0	13.7	99.7
5	9	2786	3	1.96	1.98	0.90	0.90	0.86	80.1	19.3	99.4
5	12	2792	2	1.78	1.78	0.53	0.52	0.92	95.5	4.5	100.0
5	15	2787	3	1.77	1.76	0.99	0.98	0.84	77.0	20.9	97.9
5	23	2767	4	2.01	1.98	1.47	1.46	0.94	85.0	12.7	97.7
5	29	2778	2	1.04	1.06	0.96	0.98	0.92	87.8	11.4	99.1
5	33	2787	3	1.67	1.67	1.08	1.08	0.94	92.0	6.9	98.9
5	36	2780	2	1.45	1.48	0.91	0.93	0.92	91.3	7.4	98.7
5	44	2785	3	2.19	2.17	1.07	1.10	0.91	87.1	11.1	98.1
5	46	2790	4	2.27	2.27	1.32	1.32	0.89	77.2	19.6	96.8
5	51	2790	2	1.23	1.26	0.85	0.86	0.87	88.4	9.9	98.3
5	54	2762	3	2.29	2.28	0.93	0.93	0.83	77.9	19.9	97.8
5	57	2714	3	1.84	1.84	1.01	1.03	0.90	84.6	13.9	98.5
5	60	2500	2	1.14	1.20	0.85	0.93	0.79	82.3	14.8	97.1
5	69	2360	4	2.99	3.01	1.19	1.18	0.87	73.6	23.4	96.9

Table 9. Rater Reliability Statistics – Mathematics (Continued)

				Mean		SD			Agreement		
Grade	Item	N	Max Score	Rater 1	Rater 2	Rater 1	Rater 2	Weighted Kappa	Exact	Adjacent	Exact + Adjacent
6	5	2809	3	2.14	2.14	0.87	0.87	0.87	83.1	16.2	99.3
6	8	2806	2	1.38	1.38	0.83	0.82	0.89	86.5	13.2	99.7
6	12	2792	2	1.11	1.10	0.84	0.84	0.90	86.4	13.4	99.9
6	16	2728	3	1.29	1.29	1.04	1.04	0.93	86.1	13.3	99.4
6	20	2799	4	3.13	3.09	1.01	1.02	0.86	76.3	22.3	98.5
6	23	2809	2	1.61	1.62	0.59	0.58	0.87	91.1	8.9	99.9
6	30	2786	3	1.43	1.44	1.04	1.04	0.91	83.7	15.2	98.9
6	33	2804	3	2.36	2.36	0.97	0.96	0.95	91.5	8.1	99.6
6	37	2797	2	1.39	1.39	0.81	0.82	0.96	95.0	4.7	99.7
6	40	2803	4	1.53	1.52	1.34	1.34	0.93	80.5	17.4	97.9
6	44	2775	2	1.10	1.11	0.83	0.83	0.79	78.1	19.5	97.6
6	46	2807	3	1.49	1.48	0.85	0.85	0.91	87.8	11.8	99.5
6	48	2797	2	0.98	0.99	0.87	0.86	0.93	90.3	9.4	99.7
6	51	2807	3	1.59	1.60	1.08	1.08	0.89	81.3	16.6	97.9
6	60	2782	4	2.53	2.53	1.25	1.25	0.84	65.1	30.8	95.9
7	3	2775	2	0.55	0.55	0.83	0.83	0.96	95.6	4.1	99.7
7	8	2831	3	1.63	1.64	1.19	1.20	0.86	70.9	25.8	96.7
7	10	2807	2	0.33	0.35	0.70	0.71	0.74	86.6	9.2	95.8
7	15	2780	3	0.69	0.69	1.01	1.01	0.93	88.0	11.0	99.0
7	20	2813	4	1.57	1.56	1.05	1.04	0.93	88.0	11.1	99.0
7	25	2820	3	0.69	0.70	0.96	0.96	0.91	87.0	11.9	98.9
7	29	2772	2	0.58	0.58	0.68	0.68	0.83	87.5	11.5	98.9
7	32	2793	2	0.64	0.64	0.89	0.89	0.89	90.1	7.3	97.5
7	35	2831	3	1.57	1.57	0.90	0.90	0.93	90.3	9.3	99.6
7	40	2822	4	1.79	1.79	1.49	1.47	0.92	78.3	18.0	96.3
7	43	2783	2	1.08	1.08	0.85	0.85	0.79	78.6	18.4	97.0
7	49	2795	3	1.66	1.67	1.24	1.24	0.91	86.8	9.7	96.5
7	53	2808	2	1.02	1.01	0.88	0.88	0.94	91.4	8.4	99.7
7	57	2820	3	2.40	2.39	0.80	0.82	0.85	83.3	15.9	99.2
7	60	2776	4	1.74	1.72	1.28	1.25	0.85	67.7	27.6	95.3
8	2	2880	2	1.09	1.10	0.87	0.86	0.90	86.5	13.1	99.6
8	7	2860	3	1.66	1.67	1.11	1.13	0.90	82.5	15.6	98.1
8	10	2832	2	0.91	0.91	0.93	0.94	0.95	91.3	8.5	99.8
8	15	2817	3	0.62	0.62	0.88	0.87	0.83	83.9	13.3	97.2
8	20	2850	4	1.21	1.23	1.13	1.14	0.90	80.1	17.7	97.8
8	25	2706	2	0.34	0.35	0.65	0.66	0.85	89.5	9.8	99.3
8	28	2858	3	1.70	1.72	0.96	0.96	0.88	80.2	19.2	99.4
8	30	2829	2	0.72	0.72	0.91	0.91	0.91	90.6	7.3	97.9
8	33	2840	3	0.85	0.85	0.91	0.91	0.96	93.8	6.0	99.8
8	40	2862	4	2.10	2.10	1.47	1.47	0.92	78.2	17.4	95.6
8	44	2877	2	1.10	1.11	0.88	0.88	0.93	91.3	8.3	99.6
8	48	2856	3	2.05	2.03	1.10	1.12	0.89	85.3	11.7	97.0
8	50	2829	2	0.81	0.83	0.94	0.94	0.92	88.2	11.2	99.4
8	53	2802	3	1.35	1.37	1.24	1.23	0.92	81.2	16.9	98.0
8	60	2619	4	2.57	2.58	1.08	1.09	0.89	81.4	16.3	97.7

Table 9. Rater Reliability Statistics – Mathematics (Concluded)

				Mean		SD			Agreement		
Grade	Item	N	Max Score	Rater 1	Rater 2	Rater 1	Rater 2	Weighted Kappa	Exact	Adjacent	Exact + Adjacent
9	3	2986	2	0.53	0.53	0.65	0.65	0.79	82.7	17.1	99.8
9	6	2929	3	1.33	1.31	0.95	0.95	0.93	86.8	13.1	99.9
9	11	2909	2	0.46	0.46	0.82	0.82	0.92	95.1	3.0	98.2
9	15	2891	3	0.69	0.71	0.92	0.93	0.84	81.7	15.3	97.0
9	20	2913	4	1.33	1.33	1.17	1.17	0.94	86.1	13.1	99.2
9	23	2852	2	0.37	0.37	0.73	0.73	0.93	95.1	4.3	99.4
9	27	2943	3	0.97	0.95	0.99	0.99	0.95	91.4	8.1	99.5
9	30	2922	2	0.53	0.55	0.73	0.74	0.87	91.0	7.4	98.4
9	35	2979	3	1.49	1.49	0.82	0.83	0.87	86.3	12.4	98.7
9	40	2927	4	2.01	1.98	1.32	1.33	0.84	61.1	34.4	95.5
9	44	2947	2	0.43	0.44	0.80	0.80	0.91	92.9	5.8	98.6
9	48	2917	3	0.84	0.85	0.97	0.99	0.93	88.2	11.4	99.6
9	52	2813	2	0.46	0.48	0.76	0.77	0.87	88.5	10.8	99.3
9	54	2766	3	1.41	1.41	1.18	1.18	0.89	78.4	19.1	97.5
9	60	2693	4	1.39	1.39	0.87	0.86	0.75	73.1	23.5	96.6
10	4	2728	2	0.57	0.57	0.65	0.66	0.78	82.4	17.2	99.6
10	8	2671	3	0.57	0.59	0.86	0.87	0.89	85.5	13.8	99.3
10	12	2690	2	1.10	1.11	0.69	0.69	0.88	89.5	10.3	99.8
10	15	2737	3	1.98	1.96	0.97	0.97	0.89	82.0	17.2	99.2
10	20	2658	4	1.10	1.09	1.26	1.26	0.92	79.0	20.1	99.1
10	25	2621	2	0.49	0.48	0.82	0.81	0.95	94.9	4.6	99.5
10	27	2705	3	0.73	0.73	1.07	1.06	0.96	92.2	7.0	99.2
10	30	2687	2	0.89	0.90	0.72	0.72	0.88	88.8	10.7	99.5
10	35	2731	3	1.56	1.56	0.79	0.80	0.88	87.0	12.4	99.4
10	40	2692	4	1.92	1.90	1.01	1.05	0.82	73.9	22.3	96.2
10	44	2617	2	0.48	0.49	0.71	0.72	0.88	88.7	11.1	99.8
10	48	2666	3	1.03	1.05	1.15	1.14	0.90	79.5	18.8	98.3
10	52	2564	2	0.79	0.78	0.72	0.71	0.92	92.2	7.7	99.9
10	54	2613	3	0.58	0.58	0.61	0.60	0.87	91.0	8.8	99.8
10	60	2545	4	0.65	0.66	0.78	0.79	0.90	89.1	10.3	99.4

Table 10. Rater Reliability Statistics -- Reading

				Mean		SD			Agreement		
Grade	Item	N	Max Score	Rater 1	Rater 2	Rater 1	Rater 2	Weighted Kappa	Exact	Adjacent	Exact + Adjacent
3	7	2755	2	1.06	1.06	0.95	0.96	0.98	96.8	2.8	99.7
3	12	2723	4	2.54	2.54	1.38	1.38	0.84	71.1	21.9	93.0
3	15	2697	3	2.00	2.01	1.17	1.16	0.92	82.4	16.2	98.6
3	18	2668	2	1.12	1.12	0.82	0.82	0.85	83.6	15.2	98.8
3	21	2769	2	1.24	1.25	0.78	0.78	0.88	87.0	12.5	99.5
3	22	2752	2	0.78	0.78	0.74	0.75	0.84	83.9	15.5	99.4
3	27	2759	3	2.31	2.30	0.93	0.93	0.77	75.8	20.0	95.8
3	36	2737	2	0.41	0.41	0.53	0.53	0.77	88.6	10.8	99.5
4	11	2842	3	1.08	1.07	0.64	0.64	0.72	81.2	17.5	98.7
4	17	2825	3	1.04	1.04	0.73	0.73	0.78	77.7	21.9	99.6
4	18	2818	3	1.55	1.56	1.05	1.05	0.90	82.0	16.6	98.7
4	23	2822	2	0.49	0.49	0.53	0.52	0.74	85.8	14.2	100.0
4	29	2849	2	1.35	1.35	0.75	0.75	0.88	87.3	12.4	99.7
4	30	2840	2	0.84	0.85	0.72	0.72	0.83	83.7	15.9	99.7
4	40	2804	3	1.29	1.30	0.79	0.78	0.81	81.7	16.5	98.2
4	45	2747	2	0.66	0.67	0.74	0.75	0.77	78.1	20.9	99.0
4	48	2821	4	2.01	2.01	1.28	1.28	0.85	68.2	27.0	95.2
4	95	2847	2	1.58	1.58	0.68	0.68	0.87	89.4	10.3	99.7
4	96	2832	2	1.24	1.23	0.62	0.62	0.85	89.1	10.7	99.8
4	103	2836	2	1.69	1.69	0.66	0.66	0.82	88.0	10.8	98.7
4	109	2808	3	1.30	1.30	0.81	0.83	0.77	69.8	29.7	99.6
4	111	2835	2	0.64	0.67	0.72	0.74	0.83	83.0	16.6	99.6
5	8	2690	3	2.51	2.52	0.74	0.73	0.86	85.3	14.5	99.8
5	13	2715	2	0.76	0.74	0.69	0.70	0.69	73.4	25.6	99.0
5	15	2702	3	2.10	2.12	1.07	1.06	0.88	79.9	17.8	97.7
5	17	2699	3	2.07	2.07	1.14	1.15	0.84	73.2	22.3	95.6
5	24	2730	2	1.15	1.18	0.80	0.80	0.87	84.1	15.5	99.6
5	25	2713	2	1.12	1.11	0.93	0.93	0.93	89.6	9.6	99.2
5	27	2691	3	1.72	1.71	1.18	1.18	0.86	78.2	17.2	95.4
5	36	2666	3	1.35	1.33	0.80	0.81	0.71	69.4	28.2	97.5
5	38	2654	3	1.18	1.19	1.01	1.01	0.83	73.1	24.8	97.9
5	49	2617	2	1.15	1.16	0.70	0.70	0.76	80.8	18.0	98.8
5	98	2712	2	0.74	0.75	0.87	0.87	0.95	93.8	5.8	99.6
5	99	2673	3	1.34	1.34	0.88	0.90	0.87	83.3	15.6	98.9
5	104	2707	2	1.69	1.68	0.60	0.61	0.80	87.6	11.8	99.4
5	105	2647	2	1.31	1.31	0.64	0.64	0.80	85.0	14.5	99.6

Table 10. Rater Reliability Statistics – Reading (Continued)

				Mean		SD			Agreement		
Grade	Item	N	Max Score	Rater 1	Rater 2	Rater 1	Rater 2	Weighted Kappa	Exact	Adjacent	Exact + Adjacent
6	9	2806	2	0.84	0.84	0.84	0.84	0.81	79.8	18.2	98.0
6	19	2754	3	1.98	1.99	1.21	1.21	0.94	88.2	10.4	98.5
6	20	2778	2	0.62	0.63	0.76	0.76	0.83	83.9	15.1	99.0
6	27	2815	2	1.29	1.28	0.89	0.89	0.93	90.0	9.6	99.6
6	29	2782	3	1.86	1.85	1.15	1.15	0.89	82.0	14.7	96.7
6	37	2767	3	1.34	1.33	1.11	1.10	0.86	75.1	22.3	97.4
6	38	2779	2	0.99	0.98	0.45	0.45	0.66	87.7	11.8	99.5
6	39	2771	3	1.62	1.60	1.08	1.09	0.75	63.1	30.5	93.7
6	40	2762	2	1.29	1.29	0.72	0.72	0.83	83.0	16.8	99.8
6	43	2633	3	1.15	1.15	1.02	1.03	0.85	74.9	23.1	98.0
6	55	2334	3	0.77	0.77	0.95	0.94	0.86	79.6	19.1	98.7
6	99	2789	2	0.52	0.53	0.74	0.73	0.85	86.2	13.1	99.3
6	101	2755	2	0.83	0.84	0.85	0.85	0.91	89.2	10.1	99.4
6	109	2782	3	1.58	1.60	0.97	0.99	0.74	60.8	35.7	96.4
7	4	2710	3	2.02	2.01	1.16	1.16	0.95	89.0	10.0	99.0
7	5	2749	2	0.75	0.75	0.79	0.78	0.87	87.2	11.9	99.1
7	14	2739	3	1.02	1.03	0.84	0.85	0.59	57.9	37.3	95.2
7	19	2664	3	1.00	1.02	0.92	0.94	0.73	65.7	30.6	96.3
7	23	2759	2	1.19	1.20	0.73	0.74	0.81	81.0	18.4	99.4
7	33	2780	3	1.65	1.70	1.14	1.14	0.77	78.6	9.4	88.1
7	39	2742	3	2.05	2.04	1.09	1.10	0.90	83.7	14.4	98.1
7	41	2577	2	0.72	0.77	0.79	0.81	0.74	77.9	18.6	96.6
7	42	2735	3	1.14	1.15	1.18	1.18	0.87	75.8	20.9	96.7
7	43	2701	2	1.32	1.32	0.84	0.84	0.89	87.8	11.1	98.9
7	92	2792	2	1.27	1.27	0.83	0.82	0.71	71.0	25.6	96.6
7	93	2772	2	0.95	0.97	0.81	0.82	0.81	79.4	19.3	98.7
7	94	2714	3	1.52	1.51	1.19	1.18	0.80	64.9	29.0	94.0
7	115	2629	2	0.72	0.73	0.69	0.68	0.68	79.5	17.4	96.9
8	13	2874	3	2.41	2.41	0.82	0.84	0.88	86.9	12.1	98.9
8	14	2795	3	1.96	1.97	1.13	1.12	0.92	84.7	13.5	98.2
8	24	2834	2	0.91	0.90	0.49	0.48	0.56	79.7	20.3	100.0
8	28	2812	3	1.61	1.62	0.82	0.80	0.77	71.0	28.8	99.7
8	29	2720	2	0.86	0.85	0.83	0.83	0.88	85.4	13.8	99.3
8	30	2794	3	1.58	1.55	1.25	1.24	0.87	77.7	18.6	96.3
8	38	2767	2	1.19	1.20	0.82	0.82	0.80	77.6	20.7	98.3
8	39	2737	2	1.42	1.42	0.81	0.81	0.89	88.9	10.0	98.9
8	89	2870	2	1.36	1.36	0.79	0.79	0.70	71.3	25.8	97.1
8	90	2877	2	1.06	1.07	0.80	0.81	0.79	77.1	21.7	98.8
8	91	2821	2	1.29	1.31	0.77	0.78	0.72	73.8	23.8	97.5
8	108	2749	3	1.53	1.52	0.85	0.86	0.78	72.5	26.2	98.7
8	109	2676	2	0.58	0.64	0.80	0.88	0.81	87.1	10.7	97.8
8	111	2541	4	2.62	2.61	1.13	1.12	0.84	74.5	20.8	95.4

Table 10. Rater Reliability Statistics – Reading (Concluded)

				Mean		SD			Agreement		
Grade	Item	N	Max Score	Rater 1	Rater 2	Rater 1	Rater 2	Weighted Kappa	Exact	Adjacent	Exact + Adjacent
9	5	2956	3	1.86	1.88	1.20	1.20	0.87	78.7	17.9	96.6
9	13	3002	3	2.48	2.48	0.79	0.79	0.92	90.1	9.7	99.8
9	14	2930	3	2.10	2.08	1.06	1.07	0.91	82.6	16.6	99.2
9	22	2802	3	1.10	1.12	1.23	1.23	0.84	80.8	13.3	94.1
9	25	2956	3	2.30	2.30	0.98	0.98	0.96	91.8	8.2	99.9
9	33	2965	2	1.10	1.10	0.72	0.72	0.80	80.3	19.4	99.7
9	42	2843	2	0.93	0.93	0.74	0.75	0.72	72.0	26.8	98.8
9	44	2913	3	1.11	1.13	0.88	0.89	0.78	74.6	22.9	97.5
9	47	2805	3	1.68	1.67	1.02	1.03	0.88	79.0	19.8	98.8
9	53	2764	3	1.51	1.51	1.09	1.10	0.90	80.0	19.0	98.9
9	100	2901	2	1.09	1.09	0.88	0.89	0.90	85.9	13.8	99.7
9	104	2889	3	1.03	1.05	0.79	0.80	0.66	64.9	32.5	97.4
9	105	2860	3	1.63	1.67	1.11	1.11	0.75	70.5	20.0	90.5
9	106	2809	3	0.89	0.91	1.01	1.02	0.66	60.5	29.9	90.4
10	7	2549	2	0.53	0.55	0.71	0.72	0.81	83.6	15.4	99.0
10	10	2545	3	1.53	1.54	0.92	0.93	0.69	60.9	35.0	95.9
10	14	2620	4	2.12	2.12	1.35	1.36	0.97	91.9	6.8	98.6
10	15	2559	2	1.01	1.01	0.74	0.74	0.98	97.8	2.2	100.0
10	31	2631	3	1.52	1.51	1.13	1.13	0.79	68.5	25.6	94.1
10	33	2625	3	1.46	1.45	0.98	0.99	0.77	68.9	27.5	96.4
10	39	2533	3	0.67	0.68	0.82	0.83	0.81	78.2	20.5	98.7
10	47	2521	2	1.11	1.12	0.90	0.90	0.92	88.5	10.9	99.5
10	50	2554	3	1.08	1.07	0.77	0.76	0.67	66.3	32.0	98.3
10	51	2544	3	1.77	1.76	1.13	1.11	0.77	73.7	16.9	90.6
10	94	2577	3	0.97	0.96	1.06	1.06	0.69	60.8	30.2	91.0
10	100	2488	2	1.14	1.11	0.71	0.71	0.73	74.6	24.9	99.5
10	105	2571	3	0.40	0.38	0.72	0.71	0.81	87.4	10.7	98.1
10	116	2562	3	2.42	2.41	0.89	0.90	0.86	79.5	19.7	99.1

Table 11. Rater Reliability Statistics -- Writing

				Mean		SD			Agreement		
Grade	Item	N	Max Score	Rater 1	Rater 2	Rater 1	Rater 2	Weighted Kappa	Exact	Adjacent	Exact + Adjacent
3	1A	2777	1	0.35	0.35	0.48	0.48	0.97	98.9	1.2	100.0
3	1B	2777	1	0.57	0.58	0.49	0.49	0.96	98.1	1.9	100.0
3	1C	2777	1	0.71	0.71	0.45	0.45	0.97	98.6	1.4	100.0
3	1D	2777	1	0.70	0.70	0.46	0.46	0.94	97.3	2.7	100.0
3	1E	2777	1	0.80	0.80	0.40	0.40	0.93	97.7	2.3	100.0
3	1F	2777	1	0.75	0.75	0.43	0.43	0.96	98.5	1.5	100.0
3	14A	2776	2	1.00	1.00	0.34	0.37	0.45	86.4	13.6	99.9
3	14B	2776	1	0.94	0.93	0.24	0.26	0.47	93.4	6.6	100.0
3	14C	2776	1	0.72	0.72	0.45	0.45	0.50	79.5	20.5	100.0
3	14D	2776	1	0.83	0.83	0.38	0.37	0.41	83.4	16.6	100.0
3	28A	2778	2	1.10	1.10	0.36	0.36	0.53	87.8	12.2	100.0
3	28B	2778	1	0.98	0.97	0.15	0.16	0.64	98.3	1.7	100.0
3	28C	2778	1	0.79	0.78	0.41	0.41	0.49	82.9	17.1	100.0
3	28D	2778	1	0.88	0.87	0.32	0.34	0.45	87.8	12.2	100.0
3	39A	2775	2	1.00	1.00	0.25	0.27	0.53	93.5	6.5	100.0
3	39B	2775	1	0.96	0.96	0.19	0.20	0.60	97.0	3.0	100.0
3	39C	2775	1	0.72	0.71	0.45	0.45	0.54	81.1	18.9	100.0
3	39D	2775	1	0.86	0.86	0.35	0.35	0.45	86.5	13.5	100.0
4	1	2874	1	0.97	0.97	0.16	0.16	0.83	99.1	0.9	100.0
4	2A	2846	1	0.62	0.62	0.49	0.48	0.94	97.0	3.0	100.0
4	2B	2845	1	0.80	0.79	0.40	0.40	0.95	98.5	1.5	100.0
4	2C	2845	1	0.50	0.52	0.50	0.50	0.90	94.8	5.2	100.0
4	2D	2845	1	0.62	0.62	0.49	0.49	0.93	96.9	3.1	100.0
4	2E	2844	1	0.32	0.33	0.47	0.47	0.91	96.2	3.8	100.0
4	2F	2845	1	0.80	0.80	0.40	0.40	0.88	96.2	3.8	100.0
4	3A	2860	4	2.48	2.48	0.81	0.82	0.70	66.5	32.0	98.5
4	3B	2860	4	2.50	2.50	0.75	0.76	0.67	66.4	32.6	98.9
4	3C	2860	2	1.88	1.88	0.33	0.33	0.50	88.9	11.1	100.0
4	51	2752	4	2.48	2.47	0.72	0.71	0.68	71.4	27.8	99.2
4	65	2845	4	2.56	2.55	0.71	0.70	0.65	67.6	31.7	99.3
4	93	2812	4	2.31	2.31	0.74	0.74	0.72	71.7	27.6	99.3
5	1	2745	1	0.99	0.99	0.11	0.11	0.76	99.5	0.6	100.0
5	2A	2720	1	0.37	0.38	0.48	0.48	0.95	97.9	2.1	100.0
5	2B	2720	1	0.43	0.43	0.50	0.50	0.97	98.4	1.6	100.0
5	2C	2720	1	0.57	0.57	0.49	0.49	0.93	96.4	3.6	100.0
5	2D	2720	1	0.58	0.59	0.49	0.49	0.86	93.0	7.0	100.0
5	2E	2720	1	0.62	0.63	0.48	0.48	0.94	97.2	2.8	100.0
5	2F	2720	1	0.38	0.39	0.49	0.49	0.93	96.7	3.3	100.0
5	3A	2730	4	2.60	2.60	0.93	0.90	0.63	63.9	31.8	95.7
5	3B	2732	4	2.66	2.64	0.80	0.79	0.70	64.9	34.0	98.8
5	3C	2732	2	1.90	1.90	0.30	0.30	0.50	90.7	9.3	100.0
5	69	2711	4	2.69	2.73	0.62	0.69	0.58	66.7	32.8	99.5
5	91	2651	4	2.55	2.54	0.73	0.74	0.72	70.8	28.9	99.6
5	116	2703	4	2.60	2.58	0.73	0.75	0.69	67.3	32.0	99.3

Table 11. Rater Reliability Statistics – Writing (Continued)

				Mean		SD			Agreement		
Grade	Item	N	Max Score	Rater 1	Rater 2	Rater 1	Rater 2	Weighted Kappa	Exact	Adjacent	Exact + Adjacent
6	1	2869	1	0.99	0.99	0.12	0.12	0.91	99.8	0.2	100.0
6	2A	2829	1	0.79	0.79	0.41	0.41	0.96	98.6	1.4	100.0
6	2B	2830	1	0.80	0.80	0.40	0.40	0.89	96.5	3.5	100.0
6	2C	2830	1	0.51	0.51	0.50	0.50	0.97	98.3	1.7	100.0
6	2D	2830	1	0.60	0.61	0.49	0.49	0.95	97.6	2.4	100.0
6	2E	2830	1	0.73	0.73	0.44	0.44	0.95	98.1	1.9	100.0
6	2F	2830	1	0.89	0.90	0.31	0.31	0.91	98.4	1.6	100.0
6	3A	2843	4	2.55	2.56	0.69	0.68	0.65	70.3	29.0	99.3
6	3B	2844	4	2.55	2.55	0.66	0.65	0.65	71.1	28.6	99.7
6	3C	2843	2	1.93	1.93	0.27	0.26	0.46	92.5	7.4	100.0
6	77	2818	4	2.82	2.79	0.75	0.75	0.68	66.7	32.6	99.3
6	98	2783	4	2.58	2.57	0.65	0.65	0.68	74.7	24.8	99.5
6	116	2809	4	2.65	2.64	0.79	0.78	0.71	66.6	32.7	99.3
7	1	2839	1	0.99	0.98	0.12	0.13	0.74	99.2	0.8	100.0
7	2A	2804	1	0.77	0.77	0.42	0.42	0.96	98.5	1.5	100.0
7	2B	2804	1	0.74	0.74	0.44	0.44	0.95	98.0	2.0	100.0
7	2C	2804	1	0.71	0.71	0.45	0.45	0.92	96.7	3.3	100.0
7	2D	2804	1	0.55	0.55	0.50	0.50	0.95	98.2	1.8	100.0
7	2E	2804	1	0.60	0.60	0.49	0.49	0.95	98.0	1.9	100.0
7	2F	2804	1	0.44	0.44	0.50	0.50	0.96	98.1	1.9	100.0
7	3A	2811	4	2.48	2.48	0.79	0.79	0.73	72.6	26.1	98.7
7	3B	2811	4	2.53	2.53	0.65	0.67	0.60	68.3	30.8	99.1
7	3C	2811	2	1.87	1.87	0.34	0.35	0.37	85.3	14.6	99.9
7	22	2771	4	2.74	2.75	0.73	0.72	0.74	73.4	26.2	99.6
7	59	2793	4	2.58	2.60	0.72	0.72	0.70	70.3	29.3	99.6
7	91	2733	4	2.39	2.38	0.86	0.85	0.67	62.7	34.6	97.3
8	1	2941	1	0.98	0.98	0.14	0.14	0.93	99.7	0.3	100.0
8	2A	2891	1	0.77	0.77	0.42	0.43	0.89	96.1	3.9	100.0
8	2B	2891	1	0.56	0.56	0.50	0.50	0.95	97.5	2.5	100.0
8	2C	2891	1	0.56	0.55	0.50	0.50	0.90	95.2	4.8	100.0
8	2D	2891	1	0.64	0.64	0.48	0.48	0.87	93.9	6.1	100.0
8	2E	2891	1	0.43	0.43	0.50	0.50	0.96	98.0	2.0	100.0
8	2F	2891	1	0.70	0.70	0.46	0.46	0.90	95.8	4.2	100.0
8	3A	2897	4	2.79	2.78	0.70	0.72	0.59	73.3	24.1	97.3
8	3B	2898	4	2.77	2.77	0.65	0.65	0.62	69.4	30.0	99.4
8	3C	2898	2	1.86	1.87	0.35	0.34	0.41	86.2	13.8	100.0
8	21	2859	4	2.75	2.73	0.72	0.76	0.68	67.2	32.3	99.4
8	63	2855	4	2.69	2.68	0.79	0.79	0.71	66.8	32.3	99.2
8	88	2805	4	2.54	2.50	0.81	0.81	0.73	71.1	27.1	98.2

Table 11. Rater Reliability Statistics – Writing (Concluded)

				Mean		SD			Agreement		
Grade	Item	N	Max Score	Rater 1	Rater 2	Rater 1	Rater 2	Weighted Kappa	Exact	Adjacent	Exact + Adjacent
9	1	3099	1	0.96	0.96	0.19	0.19	0.81	98.6	1.4	100.0
9	2A	2999	1	0.21	0.21	0.41	0.41	0.94	98.1	1.9	100.0
9	2B	2999	1	0.64	0.64	0.48	0.48	0.86	93.5	6.5	100.0
9	2C	2999	1	0.76	0.76	0.43	0.43	0.93	97.6	2.4	100.0
9	2D	2999	1	0.38	0.38	0.49	0.49	0.93	96.9	3.1	100.0
9	2E	2999	1	0.60	0.60	0.49	0.49	0.89	94.6	5.4	100.0
9	2F	2999	1	0.24	0.24	0.42	0.43	0.95	98.1	1.9	100.0
9	3A	3029	4	2.49	2.48	0.85	0.86	0.70	66.6	31.1	97.8
9	3B	3029	4	2.53	2.52	0.74	0.74	0.70	68.2	31.4	99.6
9	3C	3029	2	1.68	1.67	0.47	0.47	0.48	77.0	23.0	100.0
9	69	2960	4	2.70	2.71	0.77	0.76	0.70	67.6	31.8	99.3
9	97	2947	4	2.72	2.72	0.75	0.75	0.70	68.9	30.4	99.3
9	116	2972	4	2.34	2.35	0.80	0.83	0.80	73.7	26.2	99.9
10	1	2804	1	0.95	0.95	0.22	0.22	0.86	98.6	1.4	100.0
10	2A	2706	1	0.10	0.10	0.30	0.30	0.96	99.2	0.8	100.0
10	2B	2706	1	0.69	0.69	0.46	0.46	0.91	96.1	3.9	100.0
10	2C	2707	1	0.59	0.59	0.49	0.49	0.90	95.4	4.7	100.0
10	2D	2707	1	0.67	0.68	0.47	0.47	0.92	96.6	3.4	100.0
10	2E	2707	1	0.57	0.56	0.50	0.50	0.89	94.7	5.3	100.0
10	2F	2707	1	0.62	0.62	0.48	0.48	0.95	97.8	2.2	100.0
10	3A	2733	4	2.55	2.55	0.75	0.76	0.75	73.1	26.4	99.5
10	3B	2733	4	2.56	2.55	0.71	0.72	0.68	69.9	29.5	99.4
10	3C	2733	2	1.70	1.71	0.46	0.46	0.49	78.6	21.4	100.0
10	26	2612	4	2.41	2.40	0.73	0.74	0.81	81.5	18.1	99.5
10	73	2667	4	2.67	2.67	0.84	0.85	0.84	77.2	22.6	99.8
10	93	2653	4	2.25	2.26	0.81	0.81	0.77	72.5	26.9	99.4

Table 12. Rater Reliability Statistics -- Science

				Mean		SD			Agreement		
Grade	Item	N	Max Score	Rater 1	Rater 2	Rater 1	Rater 2	Weighted Kappa	Exact	Adjacent	Exact + Adjacent
5	4	2849	2	1.51	1.51	0.57	0.56	0.79	87.1	12.7	99.8
5	21	2841	1	0.37	0.36	0.48	0.48	0.88	94.6	5.4	100.0
5	22	2837	1	0.75	0.76	0.43	0.43	0.96	98.4	1.6	100.0
5	23	2843	2	0.98	1.00	0.72	0.72	0.76	79.2	19.5	98.7
5	24	2842	1	0.53	0.53	0.50	0.50	0.73	86.2	13.8	100.0
5	25	2835	2	1.33	1.32	0.87	0.87	0.85	86.3	10.6	96.9
5	28	2842	2	0.90	0.89	0.89	0.88	0.86	85.3	12.5	97.8
5	33	2843	1	0.42	0.41	0.49	0.49	0.67	83.7	16.3	100.0
5	37	2816	1	0.28	0.30	0.46	0.48	0.84	94.0	5.6	99.6
5	41	2838	2	0.64	0.68	0.66	0.68	0.76	82.8	15.6	98.4
5	45	2835	2	1.46	1.46	0.75	0.74	0.81	83.1	15.4	98.5
5	46	2846	2	1.56	1.57	0.58	0.59	0.92	95.5	4.1	99.7
5	53	2850	2	1.71	1.67	0.65	0.68	0.87	93.9	4.3	98.2
5	55	2819	2	0.91	0.92	0.78	0.77	0.82	81.4	17.6	99.0
5	58	2805	2	1.20	1.22	0.61	0.62	0.91	94.6	5.0	99.6
5	64	2845	2	1.75	1.72	0.50	0.53	0.76	89.5	9.8	99.3
5	68	2835	2	0.91	0.91	0.71	0.72	0.81	84.2	14.6	98.8
5	75	2616	2	0.73	0.74	0.84	0.85	0.90	87.4	12.3	99.6
8	2	2687	2	0.69	0.69	0.68	0.68	0.95	95.8	4.2	100.0
8	7	2857	2	0.84	0.83	0.58	0.57	0.82	88.9	10.9	99.8
8	19	2839	2	1.01	1.02	0.83	0.82	0.82	80.1	18.5	98.7
8	20	2823	1	0.54	0.54	0.50	0.50	0.78	89.0	11.0	100.0
8	21	2830	1	0.84	0.83	0.37	0.37	0.78	93.9	6.2	100.0
8	22	2852	4	2.62	2.60	1.33	1.33	0.82	61.4	31.3	92.7
8	23	2830	1	0.76	0.76	0.43	0.43	0.78	92.1	7.9	100.0
8	24	2827	1	0.11	0.11	0.31	0.32	0.74	94.8	5.2	100.0
8	25	2794	1	0.18	0.18	0.39	0.39	0.77	93.1	6.9	100.0
8	26	2735	2	0.55	0.55	0.87	0.87	0.98	98.2	1.3	99.6
8	31	2847	2	0.71	0.71	0.79	0.79	0.85	83.3	16.1	99.3
8	33	2789	1	0.26	0.25	0.44	0.44	0.77	91.2	8.8	100.0
8	39	2816	2	1.11	1.11	0.83	0.83	0.76	73.5	24.2	97.7
8	41	2781	2	0.55	0.56	0.72	0.72	0.91	91.0	8.8	99.7
8	49	2819	1	0.61	0.61	0.49	0.49	0.75	88.3	11.7	100.0
8	53	2838	2	1.23	1.24	0.83	0.83	0.92	89.6	10.3	99.8
8	57	2800	2	0.94	0.95	0.94	0.94	0.99	98.1	1.8	99.9
8	63	2826	2	0.49	0.49	0.67	0.67	0.78	82.0	17.6	99.5
8	66	2839	2	1.65	1.65	0.62	0.62	0.65	79.8	18.0	97.8
8	75	2849	1	0.67	0.67	0.47	0.47	0.71	87.2	12.8	100.0
8	77	2606	2	0.21	0.21	0.44	0.44	0.90	96.5	3.5	99.9
8	78	2833	2	0.82	0.82	0.71	0.71	0.83	83.9	15.7	99.7
8	80	2838	2	1.38	1.37	0.69	0.69	0.87	88.3	11.6	99.8

Table 12. Rater Reliability Statistics – Science (Concluded)

				Mean		SD			Agreement		
Grade	Item	N	Max Score	Rater 1	Rater 2	Rater 1	Rater 2	Weighted Kappa	Exact	Adjacent	Exact + Adjacent
10	14	2530	1	0.78	0.79	0.41	0.40	0.78	92.8	7.2	100.0
10	21	2646	1	0.31	0.31	0.46	0.47	0.78	90.8	9.1	99.9
10	22	2695	4	2.63	2.61	1.31	1.32	0.90	77.8	18.5	96.3
10	23	2604	2	1.16	1.15	0.79	0.79	0.89	86.6	13.1	99.8
10	24	2627	1	0.39	0.39	0.49	0.49	0.77	89.0	11.0	100.0
10	25	2617	1	0.32	0.33	0.47	0.48	0.75	88.8	11.2	100.0
10	26	2625	2	0.47	0.47	0.64	0.64	0.92	94.6	5.0	99.7
10	27	2651	1	0.29	0.28	0.48	0.48	0.69	86.2	13.7	99.9
10	29	2684	2	0.89	0.88	0.75	0.75	0.86	85.3	14.4	99.6
10	35	2610	2	1.26	1.25	0.75	0.76	0.69	72.9	24.5	97.4
10	40	2631	2	1.40	1.32	0.74	0.78	0.65	72.4	23.2	95.6
10	42	2622	2	0.47	0.48	0.69	0.70	0.86	89.0	10.0	99.0
10	46	2675	2	0.40	0.47	0.64	0.70	0.75	87.6	9.1	96.6
10	50	2602	2	1.45	1.39	0.73	0.75	0.80	83.0	15.3	98.3
10	53	2594	1	0.65	0.63	0.49	0.50	0.74	87.7	12.2	99.9
10	58	2514	2	0.36	0.35	0.61	0.61	0.85	90.2	9.4	99.6
10	63	2340	2	0.39	0.40	0.68	0.68	0.84	88.6	10.4	98.9
10	69	2676	1	0.30	0.38	0.50	0.59	0.59	84.1	13.0	97.2
10	71	2578	2	1.34	1.28	0.68	0.71	0.80	85.3	13.1	98.4
10	74	2657	2	0.69	0.67	0.71	0.71	0.91	92.3	7.3	99.6
10	77	2575	1	0.31	0.35	0.49	0.54	0.65	84.5	14.5	99.0
10	78	2545	2	0.76	0.80	0.87	0.86	0.90	88.7	10.0	98.7
10	83	2337	2	1.20	1.20	0.59	0.59	0.92	94.4	5.6	100.0

Table 13. Rater Reliability Statistics – Spanish Reading

				Mean		SD			Agreement		
Grade	Item	N	Max Score	Rater 1	Rater 2	Rater 1	Rater 2	Weighted Kappa	Exact	Adjacent	Exact + Adjacent
3	1	300	3	1.70	1.71	1.26	1.25	0.97	94.7	5.0	99.7
3	2	297	3	1.95	1.93	1.30	1.31	0.99	96.0	3.7	99.7
3	8	299	2	1.10	1.10	0.78	0.80	0.93	91.0	9.0	100.0
3	17	295	3	1.84	1.87	1.06	1.09	0.84	71.2	26.1	97.3
3	25	298	2	1.29	1.30	0.78	0.78	0.89	89.3	10.1	99.3
3	26	296	2	0.75	0.73	0.83	0.82	0.82	85.8	10.8	96.6
3	32	298	3	1.18	1.20	0.90	0.89	0.99	98.7	1.3	100.0
3	36	299	2	1.08	1.13	0.82	0.81	0.82	78.3	21.1	99.3
4	13	45	3	1.44	1.36	1.01	1.03	0.83	64.4	35.6	100.0
4	14	44	2	0.66	0.55	0.61	0.59	0.52	72.7	25.0	97.7
4	29	46	3	2.26	2.28	1.08	1.09	0.97	93.5	6.5	100.0
4	31	45	2	0.44	0.49	0.76	0.76	0.92	91.1	8.9	100.0
4	33	46	3	0.96	0.96	0.97	0.97	0.71	80.4	8.7	89.1
4	34	46	3	1.65	1.67	1.02	1.01	0.88	76.1	23.9	100.0
4	42	44	2	0.89	0.89	0.81	0.78	0.93	90.9	9.1	100.0
4	44	41	2	1.07	1.07	0.82	0.82	0.89	85.4	14.6	100.0
4	45	41	3	1.07	1.20	0.96	1.03	0.79	58.5	41.5	100.0
4	97	46	2	1.07	1.00	0.80	0.70	0.71	73.9	23.9	97.8
4	98	46	3	1.35	1.30	1.02	1.05	0.92	89.1	8.7	97.8
4	100	46	2	0.63	0.61	0.71	0.68	0.84	84.8	15.2	100.0
4	108	45	2	1.20	1.27	0.84	0.81	0.92	88.9	11.1	100.0
4	116	45	3	1.60	1.60	0.99	0.99	0.98	95.6	4.4	100.0

Table 14. Rater Reliability Statistics – Spanish Writing

				Mean		SD			Agreement		
Grade	Item	N	Max Score	Rater 1	Rater 2	Rater 1	Rater 2	Weighted Kappa	Exact	Adjacent	Exact + Adjacent
3	4A	4	1	0.78	0.79	0.41	0.41	0.98	99.4	0.6	100.0
3	4B	5	1	0.30	0.29	0.46	0.45	0.97	98.7	1.3	100.0
3	4C	6	1	0.64	0.63	0.48	0.48	0.95	97.5	2.5	100.0
3	4D	7	1	0.61	0.60	0.49	0.49	0.97	98.4	1.6	100.0
3	4E	8	1	0.61	0.61	0.49	0.49	0.95	97.5	2.5	100.0
3	4F	9	1	0.82	0.83	0.38	0.38	0.92	97.8	2.2	100.0
3	16A	21	2	1.27	1.25	0.61	0.62	0.67	76.1	23.6	99.7
3	16B	22	1	0.81	0.81	0.39	0.39	0.51	85.2	14.8	100.0
3	16C	23	1	0.84	0.83	0.36	0.38	0.76	93.4	6.6	100.0
3	16D	24	1	0.92	0.92	0.28	0.27	0.66	95.0	5.0	100.0
3	27A	35	2	0.90	0.90	0.71	0.70	0.72	74.8	24.5	99.4
3	27B	36	1	0.68	0.70	0.47	0.46	0.68	86.5	13.5	100.0
3	27C	37	1	0.73	0.70	0.44	0.46	0.78	91.2	8.8	100.0
3	27D	38	1	0.80	0.81	0.40	0.39	0.73	91.5	8.5	100.0
3	39A	50	2	1.22	1.25	0.58	0.61	0.50	68.4	30.4	98.7
3	39B	51	1	0.80	0.77	0.40	0.42	0.37	78.8	21.2	100.0
3	39C	52	1	0.76	0.72	0.43	0.45	0.71	88.9	11.1	100.0
3	39D	53	1	0.92	0.92	0.27	0.28	0.57	93.7	6.3	100.0
4	1	1	1	0.91	0.91	0.28	0.28	0.73	95.7	4.4	100.0
4	2A	2	1	0.93	0.93	0.25	0.25	1.00	100.0	0.0	100.0
4	2B	3	1	0.69	0.67	0.47	0.48	0.95	97.8	2.2	100.0
4	2C	4	1	0.89	0.87	0.32	0.34	0.90	97.8	2.2	100.0
4	2D	5	1	0.77	0.77	0.42	0.42	0.87	95.5	4.6	100.0
4	2E	6	1	0.64	0.71	0.48	0.46	0.85	93.3	6.7	100.0
4	2F	7	1	0.33	0.31	0.48	0.47	0.75	88.9	11.1	100.0
4	3A	8	4	2.00	1.93	1.14	1.15	0.92	79.6	20.5	100.0
4	3B	9	4	2.41	2.25	0.73	0.53	0.53	61.4	38.6	100.0
4	3C	10	2	1.39	1.39	0.54	0.49	0.30	63.6	36.4	100.0
4	25	11	4	1.54	1.59	0.96	0.91	0.90	82.6	17.4	100.0
4	63	26	4	2.13	2.07	1.13	1.06	0.90	76.1	23.9	100.0
4	90	53	4	2.13	2.20	1.01	0.84	0.62	55.6	37.8	93.3

Table 15. Rater Severity Study Results

Content Area	Grade	2005 Item Number	2007 Item Number	Valid N	Mean 2005	Mean 2007	Mean Difference	STD 2005	STD 2007	% Adjacent	% Precise	% Discrepant	Corr	Intra Class Corr	Weighted Kappa
Mathematics	3	20	20	986	2.14	2.10	0.04	0.84	0.83	15.42	84.38	0.20	0.88	0.94	0.88
Mathematics	3	36	38	984	1.61	1.57	0.04	0.57	0.59	4.98	94.92	0.10	0.92	0.96	0.92
Mathematics	4	56	56	969	2.06	1.99	0.07	0.93	0.98	26.42	72.03	1.55	0.82	0.91	0.82
Mathematics	4	69	69	969	2.66	2.59	0.07	1.44	1.47	13.00	83.28	3.72	0.93	0.96	0.93
Mathematics	5	3	3	982	1.14	1.15	-0.01	0.81	0.80	15.27	84.22	0.51	0.87	0.93	0.87
Mathematics	5	43	44	984	2.26	2.10	0.16	1.01	1.06	10.67	85.16	4.17	0.88	0.93	0.87
Mathematics	5	54	54	984	2.29	2.21	0.08	0.83	0.89	27.13	71.65	1.22	0.79	0.89	0.79
Mathematics	6	35	33	975	2.45	2.40	0.05	0.91	0.90	9.23	89.85	0.92	0.92	0.96	0.92
Mathematics	6	12	12	972	1.16	1.11	0.05	0.81	0.78	13.48	86.52	0.00	0.90	0.95	0.89
Mathematics	6	52	51	975	1.49	1.46	0.03	1.09	1.14	16.92	81.54	1.54	0.91	0.95	0.90
Mathematics	7	11	10	987	0.39	0.45	-0.06	0.72	0.80	12.16	84.30	3.55	0.78	0.89	0.77
Mathematics	7	40	40	990	2.11	2.18	-0.07	1.24	1.40	34.95	61.31	3.74	0.86	0.93	0.85
Mathematics	7	26	25	990	0.93	0.91	0.02	1.02	1.02	14.65	84.65	0.71	0.92	0.96	0.92
Mathematics	8	30	30	986	0.75	0.75	0.00	0.93	0.93	5.38	92.90	1.72	0.93	0.96	0.93
Mathematics	8	40	40	996	2.46	2.40	0.06	1.25	1.42	28.21	69.78	2.01	0.91	0.95	0.90
Mathematics	8	7	7	996	1.93	1.90	0.03	1.09	1.08	16.16	81.43	2.41	0.89	0.95	0.89
Mathematics	9	54	54	861	1.04	1.07	-0.03	1.11	1.09	13.70	85.83	0.46	0.93	0.97	0.93
Mathematics	9	60	60	887	0.96	0.94	0.02	0.72	0.70	18.49	80.27	1.24	0.77	0.88	0.77
Mathematics	9	32	30	911	0.47	0.45	0.02	0.67	0.67	9.00	90.01	0.99	0.85	0.93	0.85
Mathematics	10	20	20	896	0.58	0.63	-0.05	0.98	0.99	13.95	85.71	0.33	0.92	0.96	0.92
Mathematics	10	12	12	916	1.01	1.01	0.00	0.68	0.69	6.44	93.34	0.22	0.92	0.96	0.92
Mathematics	10	48	48	912	0.94	0.98	-0.04	1.08	1.09	21.82	77.19	0.99	0.89	0.94	0.89

Table 15. Rater Severity Study Results (Continued)

Content Area	Grade	2005 Item Number	2007 Item Number	Valid N	Mean 2005	Mean 2007	Mean Difference	STD 2005	STD 2007	% Adjacent	% Precise	% Discrepant	Corr	Intra Class Corr	Weighted Kappa
Reading	3	9	12	968	2.68	2.53	0.15	1.39	1.37	26.86	65.08	8.06	0.81	0.90	0.81
Reading	3	22	22	979	0.81	0.83	-0.02	0.75	0.73	15.93	83.66	0.41	0.84	0.92	0.84
Reading	4	94	95	985	1.53	1.55	-0.02	0.70	0.70	10.66	89.24	0.10	0.89	0.94	0.89
Reading	4	95	96	977	1.26	1.24	0.02	0.63	0.65	13.92	85.88	0.20	0.82	0.91	0.82
Reading	5	106	105	984	1.28	1.31	-0.03	0.60	0.61	14.43	85.37	0.20	0.79	0.90	0.79
Reading	5	25	24	988	1.22	1.21	0.01	0.79	0.78	9.11	90.89	0.00	0.93	0.96	0.93
Reading	6	22	19	943	1.96	1.97	-0.01	1.22	1.23	6.47	93.43	0.11	0.98	0.99	0.98
Reading	6	43	39	962	1.60	1.59	0.01	1.08	1.05	32.74	60.19	7.07	0.71	0.86	0.71
Reading	7	4	4	961	2.10	2.10	0.00	1.11	1.12	8.84	90.53	0.62	0.95	0.98	0.95
Reading	7	38	43	925	1.39	1.35	0.04	0.82	0.83	9.62	89.84	0.54	0.91	0.96	0.91
Reading	8	33	39	937	1.50	1.47	0.03	0.77	0.78	9.39	90.07	0.53	0.91	0.95	0.90
Reading	8	85	90	975	0.99	0.97	0.02	0.80	0.79	17.33	82.26	0.41	0.85	0.92	0.85
Reading	9	23	22	880	1.11	1.05	0.06	1.21	1.17	14.20	75.68	10.11	0.73	0.86	0.73
Reading	9	5	5	953	1.78	1.80	-0.02	1.21	1.21	15.01	82.27	2.73	0.90	0.95	0.90
Reading	10	116	116	900	2.47	2.41	0.06	0.88	0.91	17.11	81.89	1.00	0.87	0.93	0.87
Reading	10	100	94	890	1.29	1.00	0.29	1.16	1.04	32.25	59.10	8.65	0.75	0.86	0.72
Science	8	29	31	956	0.77	0.72	0.05	0.78	0.77	16.00	83.37	0.63	0.85	0.92	0.85
Science	8	77	49	957	0.60	0.61	-0.01	0.49	0.49	10.66	89.34	0.00	0.78	0.89	0.78

Table 15. Rater Severity Study Results (Concluded)

Content Area	Grade	2005 Item Number	2007 Item Number	Valid N	Mean 2005	Mean 2007	Mean Difference	STD 2005	STD 2007	% Adjacent	% Precise	% Discrepant	Corr	Intra Class Corr	Weighted Kappa
Writing	3	13A	14A	987	1.11	1.00	0.11	0.45	0.37	17.22	82.57	0.20	0.51	0.74	0.49
Writing	3	13B	14B	987	0.98	0.93	0.05	0.15	0.26	6.99	93.01	0.00	0.31	0.63	0.26
Writing	3	13C	14C	987	0.90	0.75	0.15	0.30	0.44	21.88	78.12	0.00	0.32	0.63	0.28
Writing	3	13D	14D	987	0.97	0.83	0.14	0.16	0.37	14.99	85.01	0.00	0.28	0.57	0.18
Writing	4	50	51	973	2.70	2.50	0.20	0.85	0.68	34.33	64.54	1.13	0.72	0.84	0.68
Writing	5	70	69	987	2.95	2.81	0.14	0.78	0.64	33.74	66.16	0.10	0.70	0.83	0.67
Writing	6	117	116	974	2.48	2.60	-0.12	0.78	0.76	33.16	64.37	2.46	0.62	0.80	0.61
Writing	7	94	91	955	2.21	2.20	0.01	0.68	0.87	28.59	68.59	2.83	0.67	0.83	0.65
Writing	8	83	88	948	2.21	2.27	-0.06	0.71	0.89	27.95	70.68	1.37	0.75	0.86	0.73
Writing	9	117	116	943	2.27	2.28	-0.01	0.69	0.81	29.06	70.52	0.42	0.74	0.87	0.73
Writing	10	92	93	938	2.28	2.20	0.08	0.81	0.88	27.19	72.39	0.43	0.80	0.90	0.80
Sp. Reading	3	29	26	246	0.90	0.86	0.04	0.80	0.83	17.89	80.08	2.03	0.80	0.90	0.80
Sp. Reading	3	14	8	249	1.37	1.21	0.16	0.78	0.81	16.47	83.13	0.40	0.88	0.93	0.86
Sp. Reading	4	28	29	252	2.37	2.34	0.03	0.98	1.01	11.51	88.49	0.00	0.94	0.97	0.94
Sp. Writing	3	31A	16A	257	1.39	1.34	0.05	0.58	0.59	23.74	75.88	0.39	0.63	0.81	0.62
Sp. Writing	3	31B	16B	257	0.76	0.81	-0.05	0.43	0.39	21.40	78.60	0.00	0.37	0.68	0.37
Sp. Writing	3	31C	16C	257	0.82	0.83	-0.01	0.38	0.38	6.23	93.77	0.00	0.78	0.89	0.78
Sp. Writing	3	31D	16D	257	0.96	0.96	0.00	0.18	0.20	0.78	99.22	0.00	0.90	0.95	0.90
Sp. Writing	4	49	25	233	2.22	1.73	0.49	1.07	1.02	44.64	48.50	6.87	0.74	0.83	0.67

Table 16. Tested Population Demographic Distribution - Mathematics

	Grade							
	3	4	5	6	7	8	9	10
Subgroup	**N**	**N**	**N**	**N**	**N**	**N**	**N**	**N**
No Disability	52109	50851	50864	50754	51409	52587	54820	50651
Disability	5792	5745	5838	5689	5430	5025	4984	4289
No Accommodation	46653	46138	46507	48455	50441	51592	55481	51634
Accommodation	11261	10506	10229	7997	6406	6028	4344	3335
Am. Indian/AK Nat.	672	638	697	636	711	703	727	603
Asian/Pac. Isl.	2074	2061	1972	1991	1845	1737	1857	1779
Black	3538	3241	3424	3360	3484	3552	3699	3269
Hispanic	17284	16327	15847	15417	15376	15186	15309	12709
White	34341	34373	34790	35043	35431	36441	38231	36607
Free Lunch Elig.	18563	17294	16870	16091	16002	15366	13681	10908
Reduced Lunch Elig.	4282	4221	4243	4165	4022	4033	3623	3012
Not FRL Elig.	35034	35045	35570	36161	36791	38181	42471	41003
Female	28388	27811	27712	27471	27738	28118	29280	26976
Male	29516	28826	29016	28974	29107	29502	30537	27984
Lang. Prof. NA	47111	46456	47037	47487	48185	49424	51957	48670
Lang. Prof. NEP	3083	1821	1697	1274	1121	966	1171	954
Lang. Prof. LEP	5704	5448	4597	3850	3520	3124	2822	2279
Lang. Prof. FEP	2011	2909	3397	3835	4019	4105	3868	3059
Not Mig. or Immig.	55782	55176	55331	55157	55615	56375	58577	53904
Mig. or Immig.	2119	1419	1368	1285	1221	1235	1220	1033

Table 17. Tested Population Demographic Distribution - Reading

	Grade							
	3	4	5	6	7	8	9	10
Subgroup	**N**	**N**	**N**	**N**	**N**	**N**	**N**	**N**
No Disability	50552	50548	50871	50664	51348	52563	54585	50413
Disability	5634	5682	5820	5648	5407	5035	4924	4255
No Accommodation	44837	44688	45564	47365	50344	51886	55536	51625
Accommodation	11359	11588	11143	8955	6421	5719	3994	3072
Am. Indian/AK Nat.	663	633	697	640	704	703	717	606
Asian/Pac. Isl.	2068	2058	1966	1983	1841	1732	1851	1769
Black	3516	3226	3433	3353	3470	3562	3654	3233
Hispanic	15677	16011	15843	15352	15341	15145	15178	12577
White	34270	34343	34766	34991	35409	36461	38126	36511
Free Lunch Elig.	17222	17008	16884	16017	15965	15327	13540	10764
Reduced Lunch Elig.	4181	4200	4244	4161	4001	4030	3604	2997
Not FRL Elig.	34742	34983	35549	36109	36768	38209	42336	40891
Female	27533	27659	27715	27422	27729	28117	29168	26874
Male	28658	28612	28989	28897	29035	29488	30355	27817
Lang. Prof. NA	47011	46407	47018	47400	48132	49444	51758	48463
Lang. Prof. NEP	2055	1568	1650	1235	1096	942	1138	931
Lang. Prof. LEP	5125	5406	4630	3850	3514	3114	2793	2270
Lang. Prof. FEP	2004	2892	3398	3829	4019	4103	3834	3026
Not Mig. or Immig.	54506	54977	55337	55045	55543	56375	58300	53650
Mig. or Immig.	1679	1250	1354	1266	1211	1219	1203	1013

Table 18. Tested Population Demographic Distribution - Writing

	Grade							
	3	4	5	6	7	8	9	10
Subgroup	**N**	**N**	**N**	**N**	**N**	**N**	**N**	**N**
No Disability	50599	50549	50854	50701	51340	52580	54582	50401
Disability	5643	5684	5834	5671	5419	5045	4920	4254
No Accommodation	45520	44311	45225	47766	50106	51544	55312	51507
Accommodation	10738	11968	11479	8614	6663	6089	4211	3177
Am. Indian/AK Nat.	667	633	695	636	707	700	716	607
Asian/Pac. Isl.	2073	2056	1970	1981	1841	1735	1850	1770
Black	3536	3230	3430	3366	3473	3569	3651	3227
Hispanic	15694	16017	15826	15373	15341	15153	15173	12566
White	34283	34338	34781	35023	35407	36474	38129	36513
Free Lunch Elig.	17220	17018	16869	16037	15967	15343	13536	10761
Reduced Lunch Elig.	4171	4197	4241	4159	3998	4030	3602	2997
Not FRL Elig.	34830	34979	35564	36151	36771	38220	42335	40880
Female	27567	27670	27716	27444	27716	28133	29175	26854
Male	28683	28604	28985	28935	29052	29500	30341	27824
Lang. Prof. NA	47043	46406	47025	47459	48137	49465	51752	48457
Lang. Prof. NEP	2072	1571	1652	1233	1091	944	1132	932
Lang. Prof. LEP	5142	5407	4619	3853	3517	3118	2797	2263
Lang. Prof. FEP	1994	2892	3397	3829	4019	4104	3835	3025
Not Mig. or Immig.	54572	54980	55334	55103	55549	56401	58298	53638
Mig. or Immig.	1670	1250	1354	1268	1208	1220	1198	1013

Table 19. Tested Population Demographic Distribution – Science

	Grade		
	5	8	10
Subgroup	**N**	**N**	**N**
No Disability	50892	52573	50656
Disability	5830	5048	4319
No Accommodation	47789	52396	51850
Accommodation	8948	5235	3153
Am. Indian/AK Nat.	697	702	605
Asian/Pac. Isl.	1970	1736	1776
Black	3431	3563	3276
Hispanic	15843	15147	12720
White	34793	36481	36623
Free Lunch Elig.	16877	15320	10895
Reduced Lunch Elig.	4240	4031	3017
Not FRL Elig.	35587	38234	41044
Female	27724	28121	26997
Male	29009	29505	28001
Lang. Prof. NA	47044	49469	48691
Lang. Prof. NEP	1676	956	962
Lang. Prof. LEP	4617	3116	2282
Lang. Prof. FEP	3392	4089	3058
Not Mig. or Immig.	55357	56389	53936
Mig. or Immig.	1364	1230	1034

Table 20. Tested Population Demographic Distribution – Spanish Reading and Writing

	Spanish Reading		Spanish Writing	
	Grade		Grade	
	3	4	3	4
Subgroup	**N**	**N**	**N**	**N**
No Disability	1469	261	1473	261
Disability	103	3	105	3
No Accommodation	1221	192	1216	193
Accommodation	351	72	362	71
Am. Indian/AK Nat.	1	0	1	0
Black	1	0	1	0
Hispanic	1557	262	1563	262
White	13	2	13	2
Free Lunch Elig.	1338	213	1340	213
Reduced Lunch Elig.	100	11	101	11
Not FRL Elig.	134	39	137	39
Female	789	119	794	120
Male	783	145	784	144
Lang. Prof. NA	7	1	7	1
Lang. Prof. NEP	985	220	988	220
Lang. Prof. LEP	549	41	550	41
Lang. Prof. FEP	31	2	33	2
Not Mig. or Immig.	1133	111	1143	111
Mig. or Immig.	439	153	435	153

Table 21. Multiple-Choice Item Analyses, English Grade 3 Reading

Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value
1	1	1	3	0.47	0.05	0.82	23	2	1	1	0.31	0.06	0.52
2	1	1	1	0.39	0.08	0.78	24	2	1	1	0.44	0.22	0.65
3	1	1	1	0.50	0.08	0.84	25	2	1	1	0.44	0.20	0.67
4	1	1	1	0.43	0.08	0.52	26	2	1	3	0.50	0.18	0.60
5	1	1	1	0.50	0.13	0.85	28	2	1	2	0.39	0.17	0.82
6	1	1	3	0.50	0.52	0.87	29	2	1	2	0.49	0.30	0.70
8	1	1	2	0.33	0.35	0.70	30	2	1	3	0.49	0.40	0.77
9	1	1	2	0.21	0.62	0.37	31	2	1	2	0.42	0.31	0.88
10	1	1	2	0.52	0.20	0.85	32	2	1	2	0.45	0.49	0.70
11	1	1	3	0.49	0.62	0.74	33	2	1	3	0.54	0.51	0.84
13	1	1	1	0.29	0.72	0.43	34	2	1	2	0.41	0.46	0.67
14	1	1	1	0.37	0.74	0.76	35	2	1	2	0.33	0.50	0.64
16	1	1	1	0.49	1.76	0.85	37	2	1	2	0.31	1.11	0.40
17	1	1	1	0.39	1.94	0.47	38	2	1	2	0.29	0.95	0.55
19	1	1	3	0.48	2.74	0.75	39	2	1	3	0.53	0.95	0.86
20	1	1	3	0.50	2.85	0.87	40	2	1	3	0.32	1.12	0.68

Mean Item-Total Corr.: 0.42 Mean *p*-Value: 0.70

Table 22. Constructed-Response Item Analyses, English Grade 3 Reading

Item #	Session	CS	SA	Item-Total Corr.	Percent of Students Obtaining Score Level					Omit %	*p*-Value
					0	1	2	3	4		
7	1	1	2	0.52	43.57	8.01	47.42			1.01	0.51
12	1	1	2	0.63	6.48	25.66	11.79	17.45	36.43	2.18	0.62
15	1	1	1	0.60	16.94	14.39	15.56	50.41		2.69	0.66
18	1	1	1	0.41	26.31	28.99	40.51			4.19	0.55
21	2	1	1	0.54	21.51	33.18	44.64			0.66	0.61
22	2	1	1	0.43	40.50	38.79	19.60			1.11	0.39
27	2	1	2	0.57	8.14	8.54	27.24	55.13		0.96	0.76
36	2	1	2	0.24	59.00	37.50	1.77			1.73	0.21

Mean Item-Total Corr.: 0.49 Mean *p*-Value: 0.54

Table 23. Multiple-Choice Item Analyses, Spanish Grade 3 Reading

Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value
3	1	1	2	0.34	0.32	0.27	21	2	1	1	0.44	0.45	0.93
4	1	1	2	0.32	0.06	0.64	22	2	1	1	0.45	0.06	0.66
5	1	1	3	0.25	0.06	0.31	23	2	1	1	0.51	0.06	0.83
6	1	1	3	0.24	0.19	0.24	24	2	1	3	0.40	0.00	0.85
7	1	1	1	0.29	0.25	0.26	27	2	1	2	0.37	0.38	0.88
9	1	1	3	0.34	0.13	0.47	28	2	1	3	0.47	0.13	0.71
10	1	1	3	0.35	0.25	0.60	29	2	1	3	0.31	0.25	0.72
11	1	1	1	0.42	0.13	0.66	30	2	1	2	0.40	0.13	0.52
12	1	1	1	0.35	0.45	0.52	31	2	1	2	0.44	0.57	0.61
13	1	1	1	0.29	0.76	0.32	33	2	1	2	0.38	0.13	0.59
14	1	1	1	0.10	0.64	0.35	34	2	1	2	0.26	0.25	0.48
15	1	1	3	0.43	0.76	0.76	35	2	1	3	0.14	0.32	0.33
16	1	1	1	0.39	0.70	0.85	37	2	1	1	0.57	0.19	0.72
18	1	1	1	0.37	7.38	0.73	38	2	1	3	0.43	0.51	0.66
19	1	1	1	0.44	1.40	0.74	39	2	1	1	0.46	0.25	0.58
20	1	1	3	0.49	1.65	0.68	40	2	1	3	0.42	0.38	0.57

Mean Item-Total Corr.: 0.37 Mean *p*-Value: 0.60

Table 24. Constructed-Response Item Analyses, Spanish Grade 3 Reading

Item #	Session	CS	SA	Item-Total Corr.	Percent of Students Obtaining Score Level					Omit %	*p*-Value
					0	1	2	3	4		
1	1	1	2	0.55	28.88	10.50	21.82	37.91		0.89	0.56
2	1	1	2	0.67	25.70	7.57	11.96	53.44		1.34	0.64
8	1	1	1	0.63	27.86	33.40	38.23			0.51	0.55
17	1	1	1	0.56	18.00	21.56	23.09	35.37		1.97	0.58
25	2	1	1	0.54	18.83	28.56	52.10			0.51	0.66
26	2	1	1	0.52	49.36	22.77	27.04			0.83	0.38
32	2	1	2	0.54	26.84	34.03	31.42	7.38		0.32	0.40
36	2	1	1	0.61	30.60	31.30	37.66			0.45	0.53

Mean Item-Total Corr.: 0.58 Mean *p*-Value: 0.54

Table 25. Multiple-Choice Item Analyses, English Grade 3 Writing

Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value
2	1	2		0.34	0.02	0.69	21	2	3	8	0.46	0.02	0.88
3	1	2		0.52	0.06	0.74	22	2	3	8	0.40	0.05	0.86
4	1	2		0.32	0.18	0.70	23	2	3	7	0.41	0.18	0.88
5	1	3	7	0.50	0.56	0.75	24	2	3	8	0.42	0.53	0.83
6	1	3	7	0.48	0.26	0.84	25	2	2	5	0.49	0.04	0.80
7	1	3	7	0.41	0.50	0.86	26	2	2	5	0.37	0.07	0.84
8	1	3	7	0.51	0.63	0.79	27	2	2	5	0.36	0.26	0.57
9	1	3	7	0.48	0.28	0.85	29	2	3	8	0.44	0.05	0.88
10	1	3	7	0.43	0.97	0.53	30	2	3	8	0.40	0.70	0.91
11	1	2		0.35	0.27	0.81	31	2	3	8	0.47	0.19	0.86
12	1	3	7	0.35	0.53	0.86	32	2	3	8	0.47	0.23	0.90
13	1	3	7	0.37	0.78	0.41	33	2	3	8	0.41	0.58	0.92
15	1	2		0.52	0.17	0.68	34	2	3	7	0.46	0.10	0.75
16	1	2		0.39	0.19	0.93	35	2	2		0.27	0.18	0.48
17	1	2	5	0.43	0.18	0.68	36	2	3	8	0.43	0.18	0.64
18	1	2	5	0.46	0.36	0.65	37	2	3	8	0.59	0.49	0.78
19	1	3	7	0.40	0.58	0.91	38	2	3	8	0.53	0.72	0.81
20	1	3	7	0.44	0.62	0.93							

Mean Item-Total Corr.: 0.43 Mean *p*-Value: 0.78

Table 26. Constructed-Response Item Analyses, English Grade 3 Writing

Item #	Part	Session	CS	SA	Item-Total Corr.	Percent of Students Obtaining Score Level					Omit %	*p*-Value
						0	1	2	3	4		
1	A	1	3	8	0.43	65.66	34.22				0.12	0.34
1	B	1	3	7	0.39	41.57	58.31				0.12	0.58
1	C	1	3	7	0.45	28.55	71.33				0.12	0.71
1	D	1	3	7	0.20	29.85	70.03				0.12	0.70
1	E	1	3	8	0.38	20.22	79.66				0.12	0.80
1	F	1	3	8	0.49	24.89	74.99				0.12	0.75
14	A	1	2	5	0.45	6.46	86.55	6.71			0.29	0.50
14	B	1	2	5	0.44	6.77	92.93				0.29	0.93
14	C	1	2	5	0.57	28.23	71.48				0.29	0.71
14	D	1	3	5	0.55	17.01	82.70				0.29	0.83
28	A	2	2	5	0.39	2.68	85.14	11.99			0.19	0.55
28	B	2	2	5	0.36	2.84	96.97				0.19	0.97
28	C	2	2	5	0.55	21.74	78.07				0.19	0.78
28	D	2	3	5	0.52	13.15	86.67				0.19	0.87
39	A	2	2	5	0.38	3.24	93.24	3.22			0.31	0.50
39	B	2	2	5	0.39	3.70	95.99				0.31	0.96
39	C	2	2	5	0.56	28.51	71.19				0.31	0.71
39	D	2	3	5	0.52	13.94	85.75				0.31	0.86

Mean Item-Total Corr.: 0.45 Mean *p*-Value: 0.73

Table 27. Multiple-Choice Item Analyses, Spanish Grade 3 Writing

Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value
1	1	3	7	0.33	0.13	0.87	21	2	3	8	0.34	0.13	0.74
2	1	3	7	0.44	0.25	0.86	22	2	3	8	0.42	0.13	0.59
3	1	3	7	0.42	0.06	0.91	23	2	3	8	0.45	0.13	0.75
5	1	3	7	0.39	0.00	0.63	24	2	3	8	0.35	0.06	0.69
6	1	3	7	0.44	0.06	0.82	25	2	3	8	0.48	0.06	0.78
7	1	3	7	0.37	0.06	0.74	26	2	3	8	0.37	0.06	0.42
8	1	3	7	0.36	0.82	0.56	28	2	3	7	0.44	0.13	0.70
9	1	3	7	0.45	1.14	0.56	29	2	3	7	0.45	0.32	0.89
10	1	3	7	0.30	0.06	0.95	30	2	3	7	0.43	0.25	0.86
11	1	3	7	0.39	0.38	0.87	31	2	3	7	0.47	0.70	0.78
12	1	3	7	0.44	0.51	0.94	32	2	3	7	0.41	0.89	0.60
13	1	2		0.41	0.19	0.76	33	2	2		0.42	1.33	0.67
14	1	2		0.33	0.57	0.80	34	2	2		0.37	0.13	0.93
15	1	2	7	0.40	0.25	0.77	35	2	2		0.38	0.32	0.94
17	1	2		0.46	0.38	0.78	36	2	2		0.50	0.57	0.71
18	1	2		0.22	0.38	0.28	37	2	2		0.40	0.44	0.53
19	1	2		0.23	0.38	0.34	38	2	2		0.36	0.57	0.78
20	2	3	8	0.43	0.00	0.65							

Mean Item-Total Corr.: 0.4 Mean *p*-Value: 0.73

Table 28. Constructed-Response Item Analyses, Spanish Grade 3 Writing

Item #	Part	Session	CS	SA	Item-Total Corr.	Percent of Students Obtaining Score Level					Omit %	*p*-Value
						0	1	2	3	4		
4	A	1	3	8	0.43	20.79	79.09				0.13	0.79
4	B	1	3	7	0.37	73.26	26.62				0.13	0.27
4	C	1	3	8	0.46	36.31	63.56				0.13	0.64
4	D	1	3	8	0.44	37.39	62.48				0.13	0.62
4	E	1	3	7	0.46	42.59	57.29				0.13	0.57
4	F	1	3	7	0.33	19.77	80.10				0.13	0.80
16	A	1	2	5	0.49	9.44	54.18	36.25			0.13	0.63
16	B	1	2	5	0.43	19.26	80.61				0.13	0.81
16	C	1	2	5	0.52	17.30	82.57				0.13	0.83
16	D	1	3	5	0.43	8.56	91.32				0.13	0.91
27	A	2	2	5	0.52	26.17	50.06	23.26			0.51	0.48
27	B	2	2	5	0.54	28.90	70.60				0.51	0.71
27	C	2	2	5	0.56	25.22	74.27				0.51	0.74
27	D	2	3	5	0.50	15.27	84.22				0.51	0.84
39	A	2	2	5	0.45	7.54	59.44	32.26			0.76	0.62
39	B	2	2	5	0.47	23.07	76.17				0.76	0.76
39	C	2	2	5	0.48	26.43	72.81				0.76	0.73
39	D	2	3	5	0.34	5.83	93.41				0.76	0.93

Mean Item-Total Corr.: 0.46 Mean *p*-Value: 0.7

Table 29. Multiple-Choice Item Analyses, English Grade 3 Mathematics

Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value
1	1	4		0.38	7.03	0.86	21	2	4		0.34	0.10	0.83
2	1	1		0.39	0.10	0.94	22	2	6		0.29	0.17	0.35
3	1	2		0.42	2.36	0.85	23	2	6		0.47	0.61	0.68
4	1	1		0.46	0.51	0.68	24	2	1		0.49	0.22	0.55
5	1	2		0.48	0.12	0.85	25	2	4		0.37	0.44	0.85
7	1	2		0.28	0.27	0.88	26	2	4		0.55	0.11	0.53
8	1	1		0.19	0.16	0.97	27	2	6		0.41	0.53	0.93
9	1	4		0.40	0.40	0.66	28	2	2		0.28	0.09	0.95
11	1	4		0.33	0.29	0.90	29	2	4		0.31	0.57	0.95
12	1	6		0.33	0.37	0.95	30	2	6		0.42	0.99	0.61
13	1	4		0.47	0.26	0.76	32	2	1		0.49	0.35	0.84
15	1	4		0.50	0.25	0.82	33	2	4		0.39	0.31	0.88
16	1	1		0.42	0.18	0.88	35	2	2		0.39	0.13	0.93
17	1	2		0.48	0.22	0.49	36	2	4		0.43	0.15	0.92
18	1	2		0.48	0.24	0.47	37	2	2		0.57	0.16	0.81
19	1	2		0.53	0.20	0.73	39	2	4		0.49	0.39	0.77

Mean Item-Total Corr.: 0.41 Mean *p*-Value: 0.78

Table 30. Constructed-Response Item Analyses, English Grade 3 Mathematics

Item #	Part	Session	CS	SA	Item-Total Corr.	Percent of Students Obtaining Score Level					Omit %	*p*-Value
						0	1	2	3	4		
6		1	1		0.58	51.55	11.56	36.67			0.22	0.42
10		1	2		0.55	8.93	41.01	49.95			0.11	0.70
14		1	1		0.63	29.43	29.02	41.15			0.40	0.56
20		1	4		0.57	2.60	23.80	34.06	38.83		0.71	0.69
31		2	2		0.66	23.82	19.32	56.66			0.20	0.66
34		2	6		0.66	20.20	39.78	39.71			0.30	0.60
38		2	4		0.51	7.83	32.07	59.76			0.34	0.76
40		2	6		0.67	2.18	27.14	34.53	36.09		0.07	0.68

Mean Item-Total Corr.: 0.6 Mean *p*-Value: 0.63

Table 31. Multiple-Choice Item Analyses, English Grade 4 Reading

Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value
4	3	1	3	0.30	0.07	0.84	38	4	6	1	0.41	0.59	0.85
5	3	1	1	0.44	0.12	0.64	39	4	4	1	0.29	0.45	0.34
6	3	6	1	0.43	0.11	0.65	41	4	4	2	0.52	0.25	0.71
7	3	4	1	0.49	0.21	0.71	42	4	4	2	0.48	0.56	0.72
8	3	1	1	0.40	0.80	0.49	43	4	4	2	0.38	0.85	0.45
9	3	5		0.41	1.14	0.85	44	4	4	2	0.36	0.74	0.74
10	3	6	1	0.43	0.17	0.90	46	4	5		0.33	0.53	0.71
12	3	6	3	0.54	0.43	0.71	47	4	5		0.43	0.49	0.85
13	3	5		0.16	0.36	0.25	49	4	1	1	0.38	1.35	0.41
14	3	5		0.50	0.24	0.68	50	4	1	3	0.48	1.72	0.66
15	3	5		0.41	0.26	0.55	94	6	4	1	0.46	0.51	0.82
16	3	1	1	0.46	0.84	0.63	97	6	1	1	0.33	0.10	0.77
19	3	6	1	0.48	0.29	0.72	98	6	6	1	0.31	0.20	0.67
20	3	5		0.42	0.28	0.60	99	6	1	3	0.40	0.23	0.80
21	3	1	2	0.44	0.61	0.78	100	6	6	1	0.36	0.24	0.93
22	3	1	2	0.29	0.67	0.66	101	6	5		0.44	0.55	0.56
24	3	1	2	0.45	0.74	0.55	102	6	5		0.49	0.80	0.86
25	3	1	3	0.48	0.71	0.91	104	6	1	3	0.43	0.15	0.91
26	3	1	3	0.38	0.84	0.76	105	6	1	3	0.35	0.22	0.85
27	3	5		0.53	1.71	0.67	106	6	1	3	0.49	0.43	0.74
28	3	5		0.57	1.77	0.78	107	6	5		0.51	0.15	0.80
31	4	1	1	0.31	0.15	0.58	108	6	5		0.48	0.19	0.86
32	4	1	1	0.43	0.23	0.77	110	6	1	2	0.58	0.40	0.83
33	4	1	1	0.47	0.27	0.78	112	6	1	2	0.52	0.46	0.74
34	4	1	3	0.52	0.28	0.73	113	6	1	2	0.57	0.49	0.82
35	4	4	1	0.30	0.12	0.47	114	6	5		0.48	0.87	0.75
36	4	4	1	0.40	0.30	0.70	115	6	5		0.05	0.68	0.20
37	4	6	1	0.50	0.34	0.69	116	6	5		0.47	0.79	0.60

Mean Item-Total Corr.: 0.42 Mean *p*-Value: 0.70

Table 32. Constructed-Response Item Analyses, English Grade 4 Reading

Item #	Part	Session	CS	SA	Item-Total Corr.	Percent of Students Obtaining Score Level					Omit %	*p*-Value
						0	1	2	3	4		
11		3	4	1	0.53	13.72	66.36	15.93	3.11		0.88	0.36
17		3	6	1	0.48	22.21	51.47	23.04	2.11		1.18	0.35
18		3	6	1	0.44	19.77	25.52	32.04	21.34		1.34	0.51
23		3	1	2	0.23	52.43	44.53	1.61			1.42	0.24
29		4	1	1	0.44	15.98	31.67	51.89			0.47	0.68
30		4	1	1	0.38	34.16	45.34	19.65			0.84	0.42
40		4	1	1	0.52	15.76	40.22	37.74	4.21		2.07	0.43
45		4	5		0.51	47.54	33.06	15.74			3.66	0.32
48		4	4	1	0.56	13.23	20.15	32.16	15.39	17.62	1.46	0.50
95		6	6	1	0.65	9.85	20.30	69.28			0.57	0.79
96		6	6	1	0.56	9.47	56.67	32.83			1.03	0.61
103		6	1	2	0.49	9.50	9.45	79.97			1.08	0.85
109		6	1	2	0.58	17.43	37.94	37.91	4.76		1.96	0.43
111		6	4	2	0.59	48.11	35.07	15.68			1.15	0.33

Mean Item-Total Corr.: 0.5 Mean *p*-Value: 0.49

Table 33. Multiple-Choice Item Analyses, Spanish Grade 4 Reading

Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value
4	3	1	2	0.50	0.76	0.45	39	4	5		0.29	2.27	0.66
5	3	5		0.35	0.38	0.48	40	4	1	1	0.36	0.76	0.73
6	3	6	2	0.32	0.38	0.70	41	4	1	1	0.47	0.76	0.51
7	3	5		0.35	0.38	0.39	43	4	1	1	0.36	2.27	0.41
8	3	6	2	0.09	0.00	0.35	46	4	1	3	0.46	2.65	0.77
9	3	4	2	0.32	0.38	0.61	47	4	6	3	0.28	3.03	0.35
10	3	4	2	0.41	0.00	0.59	48	4	5		0.23	2.65	0.33
11	3	1	3	0.16	0.38	0.68	91	6	1	2	0.28	0.76	0.87
12	3	6	2	0.22	0.38	0.38	92	6	1	3	0.46	0.76	0.66
15	3	4	1	0.25	0.38	0.70	93	6	1	3	0.35	0.76	0.52
16	3	1	1	0.24	0.00	0.72	94	6	1	2	0.23	0.76	0.74
17	3	4	1	0.20	0.38	0.77	95	6	1	2	0.38	1.14	0.77
18	3	1	1	0.40	0.00	0.72	96	6	1	2	0.44	1.14	0.52
19	3	6	1	0.10	0.38	0.93	99	6	6	1	0.26	0.00	0.52
20	3	1	1	0.19	1.52	0.53	101	6	4	1	0.45	0.00	0.44
21	3	1	1	0.45	0.38	0.59	102	6	4	1	0.35	0.00	0.38
22	3	1	1	0.36	1.14	0.52	103	6	1	3	0.44	1.14	0.75
23	3	6	1	0.34	0.76	0.56	104	6	1	3	0.39	1.89	0.66
24	3	6	1	0.35	1.14	0.71	105	6	5		0.35	1.52	0.63
26	4	1	2	0.26	0.00	0.48	106	6	5		0.40	0.38	0.35
27	4	1	3	0.43	0.00	0.75	107	6	5		0.41	0.00	0.46
28	4	4	2	0.33	0.38	0.69	109	6	1	2	0.34	0.38	0.70
30	4	4	2	0.40	2.27	0.39	110	6	1	2	0.41	0.38	0.47
32	4	4	2	0.43	0.38	0.46	111	6	4	2	0.57	0.00	0.63
35	4	4	1	0.53	1.14	0.73	112	6	1	3	0.34	0.38	0.63
36	4	1	1	0.50	0.76	0.56	113	6	1	3	0.31	0.76	0.71
37	4	1	3	0.34	0.38	0.78	114	6	5		0.46	0.76	0.68
38	4	5		0.25	1.52	0.43	115	6	5		0.46	0.76	0.58

Mean Item-Total Corr.: 0.35 Mean *p*-Value: 0.59

Table 34. Constructed-Response Item Analyses, Spanish Grade 4 Reading

Item #	Part	Session	CS	SA	Item-Total Corr.	Percent of Students Obtaining Score Level					Omit %	*p*-Value
						0	1	2	3	4		
13		3	1	2	0.63	24.62	27.65	32.20	13.64		1.89	0.44
14		3	5		0.34	50.76	38.64	5.30			5.30	0.25
29		4	5		0.66	12.12	14.77	17.42	54.55		1.14	0.71
31		4	4	2	0.57	68.18	14.77	14.77			2.27	0.22
33		4	6	1	0.37	40.53	35.98	12.50	9.47		1.52	0.30
34		4	1	1	0.69	32.58	21.21	20.45	24.24		1.52	0.45
42		4	1	1	0.57	53.41	28.79	12.88			4.92	0.27
44		4	6	1	0.39	26.52	31.06	35.61			6.82	0.51
45		4	4	1	0.55	28.79	27.65	25.38	9.85		8.33	0.36
97		6	4	1	0.34	43.18	37.12	17.80			1.89	0.36
98		6	6	1	0.60	33.71	34.09	20.45	9.47		2.27	0.34
100		6	6	1	0.40	52.27	36.74	10.23			0.76	0.29
108		6	1	2	0.52	25.38	26.14	47.73			0.76	0.61
116		6	5		0.38	25.76	4.92	56.82	12.12		0.38	0.52

Mean Item-Total Corr.: 0.5 Mean *p*-Value: 0.4

Table 35. Multiple-Choice Item Analyses, English Grade 4 Writing

Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value
52	5	3	7	0.33	0.73	0.82	73	5	2	5	0.50	0.26	0.71
53	5	3	7	0.45	0.08	0.90	74	5	2	5	0.52	0.31	0.80
54	5	3	7	0.44	0.22	0.90	75	5	2		0.37	0.64	0.54
55	5	2		0.36	0.76	0.77	76	5	3	7	0.46	0.23	0.90
56	5	2		0.49	0.87	0.84	77	5	3	7	0.52	0.33	0.78
57	5	2		0.39	1.25	0.70	78	5	3	7	0.45	0.62	0.63
58	5	3	7	0.39	0.09	0.51	79	5	3	7	0.52	0.48	0.84
59	5	3	7	0.32	0.76	0.90	80	5	3	7	0.53	0.96	0.77
60	5	3	7	0.36	1.30	0.87	81	5	3	7	0.48	1.61	0.84
61	5	3	8	0.36	0.15	0.73	82	5	3	7	0.49	0.36	0.81
62	5	3	8	0.43	0.52	0.83	83	5	3	7	0.49	0.44	0.83
63	5	3	8	0.39	0.93	0.68	84	5	3	7	0.57	0.46	0.80
64	5	3	8	0.55	1.33	0.82	85	5	3	8	0.48	0.40	0.90
66	5	2	5	0.43	0.18	0.80	86	5	3	8	0.50	0.53	0.85
67	5	3	7	0.40	0.28	0.67	87	5	2	5	0.51	0.74	0.70
68	5	2	5	0.39	0.31	0.57	88	5	3	7	0.48	0.41	0.70
69	5	2		0.51	0.44	0.78	89	5	3	7	0.21	0.51	0.61
70	5	2	5	0.42	0.32	0.79	90	5	3	7	0.45	0.52	0.73
71	5	2	5	0.41	0.30	0.91	91	5	2		0.48	0.44	0.83
72	5	2	5	0.44	0.27	0.92	92	5	2		0.49	0.85	0.75

Mean Item-Total Corr.: 0.44 Mean *p*-Value: 0.78

Table 36. Constructed-Response Item Analyses, English Grade 4 Writing

Item #	Part	Session	CS	SA	Item-Total Corr.	Percent of Students Obtaining Score Level					Omit %	*p*-Value
						0	1	2	3	4		
1		1	2	6	0.11	2.29	97.71				0.00	0.98
2	A	2	3	7	0.29	37.04	62.09				0.87	0.62
2	B	2	3	8	0.47	18.78	80.36				0.87	0.80
2	C	2	3	7	0.28	47.89	51.24				0.87	0.51
2	D	2	3	8	0.38	37.29	61.84				0.87	0.62
2	E	2	3	8	0.41	65.96	33.17				0.87	0.33
2	F	2	3	7	0.50	19.15	79.98				0.87	0.80
3	A	2	2	6	0.63	1.83	5.99	40.28	43.45	8.33	0.12	0.63
3	B	2	2	6	0.65	0.17	6.39	43.04	41.89	8.38	0.12	0.63
3	C	2	3	6	0.51	0.43	10.07	89.38			0.12	0.94
51		5	2	5	0.51	1.02	4.11	41.80	44.93	4.51	3.62	0.60
65		5	2	5	0.53	0.35	4.47	39.63	47.95	7.00	0.60	0.64
93		5	2	5	0.56	0.61	9.91	48.30	36.06	3.54	1.59	0.57

Mean Item-Total Corr.: 0.45 Mean *p*-Value: 0.67

Table 37. Multiple-Choice Item Analyses, Spanish Grade 4 Writing

Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value
49	5	3	7	0.25	0.38	0.88	70	5	3	7	0.40	0.00	0.38
50	5	3	7	0.37	0.76	0.82	71	5	3	7	0.31	5.68	0.48
51	5	2		0.37	1.52	0.85	72	5	3	8	0.39	0.38	0.47
52	5	2		0.34	0.00	0.39	73	5	3	8	0.30	0.38	0.37
53	5	2		0.23	0.00	0.97	74	5	3	8	0.38	2.27	0.63
54	5	3	7	0.40	0.38	0.66	75	5	3	8	0.05	2.65	0.39
55	5	2		0.38	0.00	0.77	76	5	3	7	0.25	0.76	0.38
56	5	3	7	0.29	0.00	0.87	77	5	3	7	0.29	0.76	0.43
57	5	2	5	0.32	0.00	0.47	78	5	3	7	0.26	2.65	0.25
58	5	2	5	0.38	0.00	0.48	79	5	3	8	0.30	1.14	0.54
59	5	2	5	0.46	0.00	0.42	80	5	3	8	0.28	1.52	0.42
60	5	2	5	0.29	0.00	0.45	81	5	3	8	0.41	1.52	0.48
61	5	2	5	0.55	0.00	0.49	82	5	3	8	0.45	1.14	0.44
62	5	2	5	0.26	0.00	0.37	83	5	3	8	0.38	0.76	0.52
64	5	3	7	0.39	0.00	0.39	84	5	3	8	0.44	1.52	0.41
65	5	3	7	0.28	0.00	0.76	85	5	3	8	0.44	0.76	0.46
66	5	3	7	0.33	0.00	0.48	86	5	3	8	0.15	1.14	0.36
67	5	3	7	0.36	0.38	0.55	87	5	2		0.32	0.76	0.32
68	5	3	7	0.37	5.30	0.59	88	5	2		0.34	0.76	0.63
69	5	3	7	0.42	6.06	0.48	89	5	2		0.36	1.14	0.45

Mean Item-Total Corr.: 0.34 Mean *p*-Value: 0.52

Table 38. Constructed-Response Item Analyses, Spanish Grade 4 Writing

Item #	Part	Session	CS	SA	Item-Total Corr.	Percent of Students Obtaining Score Level					Omit %	*p*-Value
						0	1	2	3	4		
1		1	2	6	0.09	5.30	94.70				0.00	0.95
2	A	2	3	7	0.30	13.26	85.98				0.76	0.86
2	B	2	3	7	0.45	36.74	62.50				0.76	0.63
2	C	2	3	7	0.36	22.35	76.89				0.76	0.77
2	D	2	3	8	0.25	28.03	71.21				0.76	0.71
2	E	2	3	7	0.49	31.06	67.80				1.14	0.68
2	F	2	3	8	0.38	70.83	28.41				0.76	0.28
3	A	2	2	6	0.55	16.67	10.98	36.74	29.55	3.41	2.65	0.47
3	B	2	2	6	0.53	0.76	13.64	46.21	32.20	4.55	2.65	0.55
3	C	2	3	6	0.45	1.14	61.36	34.85			2.65	0.66
25		5	2	5	0.51	8.71	42.05	26.52	15.15	3.79	3.79	0.39
63		5	2	5	0.56	4.55	16.67	48.48	23.86	5.30	1.14	0.52
90		5	2	5	0.32	5.68	13.26	38.64	28.03	11.36	3.03	0.55

Mean Item-Total Corr.: 0.4 Mean *p*-Value: 0.62

Table 39. Multiple-Choice Item Analyses, English Grade 4 Mathematics

Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value
1	1	4	3	0.30	4.07	0.90	35	2	6		0.42	3.02	0.60
2	1	6		0.51	0.21	0.75	36	2	3		0.43	0.18	0.52
3	1	1	1	0.48	0.15	0.63	37	2	4		0.33	0.22	0.66
4	1	6		0.39	0.45	0.90	40	2	1	1	0.40	0.25	0.79
5	1	2		0.33	0.49	0.90	41	2	2	2	0.48	0.14	0.89
7	1	2	2	0.37	0.08	0.66	42	2	1		0.36	0.43	0.95
8	1	1		0.45	0.30	0.64	43	2	1		0.42	0.67	0.91
10	1	2	2	0.53	0.11	0.49	44	2	4		0.44	0.16	0.72
11	1	4	3	0.32	0.20	0.93	45	2	3		0.53	0.17	0.81
12	1	4	3	0.20	0.76	0.70	47	3	4	3	0.54	0.10	0.60
15	1	4		0.44	0.39	0.56	48	3	6		0.50	0.50	0.88
16	1	4	3	0.46	0.14	0.61	49	3	4		0.18	0.04	0.95
17	1	6		0.26	0.46	0.96	51	3	6		0.32	0.39	0.86
18	1	3		0.34	0.10	0.91	52	3	3		0.41	0.23	0.49
19	1	2	2	0.25	0.17	0.97	53	3	3		0.24	0.16	0.94
20	1	3		0.53	0.25	0.70	54	3	1	1	0.56	0.16	0.79
21	1	3		0.61	0.22	0.77	55	3	2		0.48	0.84	0.55
22	1	1		0.46	0.31	0.86	57	3	4		0.43	0.34	0.58
24	2	4	3	0.53	0.03	0.69	58	3	3		0.43	0.83	0.46
25	2	4	3	0.38	0.22	0.46	60	3	4		0.50	0.20	0.73
26	2	4		0.38	0.13	0.54	61	3	6		0.33	0.60	0.94
28	2	4	3	0.27	0.17	0.85	62	3	6	1	0.56	0.51	0.86
29	2	3		0.32	0.14	0.96	64	3	1	1	0.42	0.32	0.44
31	2	4		0.26	0.24	0.96	65	3	4		0.37	0.35	0.85
32	2	6	1	0.39	0.89	0.91	66	3	2	2	0.41	0.31	0.93
33	2	6		0.34	1.04	0.90	67	3	6		0.53	1.23	0.73
34	2	6		0.43	2.61	0.79	68	3	1	1	0.50	1.09	0.73

Mean Item-Total Corr.: 0.41 Mean *p*-Value: 0.76

Table 40. Constructed-Response Item Analyses, English Grade 4 Mathematics

Item #	Part	Session	CS	SA	Item-Total Corr.	Percent of Students Obtaining Score Level 0	1	2	3	4	Omit %	*p*-Value
6		1	6		0.60	6.66	30.43	62.74			0.17	0.78
9		1	3		0.55	5.95	19.16	32.49	42.25		0.15	0.70
13		1	3		0.52	42.34	24.12	33.23			0.31	0.45
14		1	1	1	0.49	0.94	7.58	18.39	73.05		0.05	0.88
23		1	1	1	0.53	4.99	8.34	23.29	51.28	11.84	0.26	0.64
27		2	2	2	0.43	7.99	32.45	59.45			0.10	0.76
30		2	4	3	0.53	5.43	11.43	11.66	71.37		0.11	0.83
38		2	1	1	0.70	26.89	14.33	37.49	21.02		0.28	0.51
39		2	2	2	0.68	36.70	19.76	43.07			0.48	0.53
46		2	2	2	0.66	3.37	10.51	24.52	32.30	29.13	0.17	0.68
50		3	4		0.39	13.63	66.71	19.48			0.19	0.53
56		3	6	1	0.62	11.74	19.52	28.69	39.22		0.82	0.65
59		3	2	2	0.60	14.79	15.13	69.89			0.20	0.77
63		3	4		0.62	20.07	23.94	23.96	31.94		0.10	0.56
69		3	4		0.65	13.69	9.87	21.54	10.59	44.13	0.18	0.65

Mean Item-Total Corr.: 0.57 Mean *p*-Value: 0.66

Table 41. Multiple-Choice Item Analyses, English Grade 5 Reading

Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value
4	3	4	2	0.29	0.05	0.64	41	4	4	2	0.35	1.74	0.74
5	3	1	2	0.42	0.08	0.84	42	4	4	2	0.53	2.04	0.78
6	3	5		0.24	0.25	0.75	43	4	5		0.55	1.62	0.58
7	3	4	2	0.35	0.93	0.70	44	4	4	1	0.29	2.24	0.38
9	3	6	1	0.47	0.09	0.56	45	4	1	3	0.27	2.42	0.50
10	3	6	1	0.40	0.16	0.76	46	4	1	3	0.26	2.84	0.52
11	3	1	1	0.43	0.17	0.81	47	4	4	1	0.40	2.91	0.59
12	3	1	3	0.38	0.42	0.53	48	4	5		0.35	3.01	0.51
14	3	4	1	0.38	0.43	0.62	92	6	1	2	0.53	0.05	0.77
16	3	4	1	0.54	0.70	0.76	93	6	1	3	0.42	0.05	0.72
18	3	1	1	0.55	0.71	0.69	94	6	4	2	0.42	0.24	0.63
19	3	4	1	0.05	0.87	0.34	95	6	4	2	0.52	0.11	0.79
20	3	1	3	0.35	0.87	0.44	96	6	1	3	0.37	0.14	0.49
21	3	4	1	0.51	1.34	0.75	97	6	5		0.41	0.38	0.80
22	3	5		0.45	1.24	0.62	100	6	5		0.39	0.20	0.67
23	3	5		0.48	1.38	0.67	101	6	1	3	0.30	1.33	0.57
26	4	1	2	0.40	0.57	0.72	102	6	1	2	0.49	0.25	0.68
28	4	1	3	0.43	0.11	0.54	103	6	4	1	0.44	0.85	0.84
29	4	4	2	0.34	0.19	0.61	106	6	4	1	0.45	0.19	0.76
30	4	4	2	0.44	0.47	0.82	107	6	1	3	0.40	0.37	0.84
31	4	4	1	0.35	0.08	0.58	108	6	6	1	0.37	1.14	0.91
32	4	4	1	0.41	0.23	0.74	109	6	5		0.44	0.46	0.61
33	4	6	1	0.49	0.29	0.74	110	6	5		0.48	0.65	0.89
34	4	6	1	0.37	0.31	0.90	111	6	1	1	0.38	0.24	0.92
35	4	4	1	0.36	0.43	0.45	112	6	6	1	0.48	0.31	0.76
37	4	1	2	0.32	5.78	0.71	113	6	5		0.45	0.33	0.52
39	4	4	2	0.56	1.12	0.80	114	6	5		0.44	0.50	0.85
40	4	1	3	0.42	1.19	0.74	115	6	5		0.34	0.74	0.47

Mean Item-Total Corr.: 0.41 Mean *p*-Value: 0.68

Table 42. Constructed-Response Item Analyses, English Grade 5 Reading

Item #	Part	Session	CS	SA	Item-Total Corr.	Percent of Students Obtaining Score Level 0	1	2	3	4	Omit %	*p*-Value
8		3	5		0.42	2.94	5.29	29.72	60.77		1.28	0.82
13		3	6	1	0.41	38.18	46.99	13.98			0.85	0.37
15		3	6	1	0.66	12.91	13.96	22.92	49.33		0.89	0.69
17		3	1	1	0.65	17.26	12.16	16.99	52.11		1.49	0.67
24		4	1	2	0.57	24.83	33.37	41.43			0.37	0.58
25		4	5		0.63	38.52	13.05	47.59			0.84	0.54
27		4	5		0.51	25.53	10.02	29.38	33.66		1.41	0.57
36		4	1	1	0.51	14.66	40.72	35.77	7.04		1.81	0.44
38		4	6	2	0.64	31.21	30.54	23.11	12.47		2.67	0.38
49		4	6	1	0.34	15.59	48.79	31.55			4.07	0.56
98		6	1	2	0.45	52.16	18.52	28.31			1.02	0.38
99		6	1	2	0.62	17.76	39.42	30.90	10.28		1.64	0.44
104		6	6	1	0.61	6.74	15.64	76.93			0.69	0.85
105		6	6	1	0.56	9.20	49.55	40.08			1.17	0.65

Mean Item-Total Corr.: 0.54 Mean *p*-Value: 0.57

Table 43. Multiple-Choice Item Analyses, English Grade 5 Writing

Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value
50	5	3	7	0.30	0.06	0.93	71	5	2	5	0.43	0.32	0.52
51	5	3	7	0.43	0.09	0.86	72	5	2	5	0.46	0.34	0.68
52	5	2		0.45	0.29	0.86	73	5	2	5	0.31	0.42	0.49
53	5	3	7	0.22	1.48	0.27	74	5	2	5	0.45	0.41	0.75
54	5	3	7	0.36	1.64	0.72	75	5	2	5	0.40	0.45	0.57
55	5	3	7	0.32	0.13	0.87	76	5	3	8	0.55	0.40	0.82
56	5	2	7	0.40	0.16	0.85	77	5	3	8	0.52	0.49	0.77
57	5	2	7	0.47	0.48	0.69	78	5	3	8	0.44	0.55	0.70
58	5	3	7	0.44	0.08	0.87	79	5	3	8	0.45	0.56	0.82
59	5	3	7	0.23	0.13	0.55	80	5	3	8	0.49	0.69	0.79
60	5	3	7	0.37	0.51	0.93	81	5	2	5	0.51	0.96	0.78
61	5	3	7	0.31	0.48	0.65	82	5	3	7	0.47	0.61	0.81
62	5	3	7	0.39	0.67	0.92	83	5	2	7	0.49	0.64	0.73
63	5	3	7	0.47	0.95	0.62	84	5	2	7	0.27	0.93	0.43
64	5	3	8	0.45	0.11	0.68	85	5	2	5	0.47	0.67	0.78
65	5	3	7	0.44	0.19	0.68	86	5	3	7	0.39	0.83	0.73
66	5	3	7	0.44	0.69	0.73	87	5	2	5	0.40	0.89	0.59
67	5	3	8	0.33	0.43	0.70	88	5	3	8	0.41	0.77	0.71
68	5	3	8	0.40	1.31	0.84	89	5	3	7	0.37	1.12	0.62
70	5	2	5	0.33	0.24	0.60	90	5	2	5	0.43	1.11	0.62

Mean Item-Total Corr.: 0.41 Mean *p*-Value: 0.71

Table 44. Constructed-Response Item Analyses, English Grade 5 Writing

Item #	Part	Session	CS	SA	Item-Total Corr.	Percent of Students Obtaining Score Level					Omit %	*p*-Value
						0	1	2	3	4		
1		1	2	6	0.09	0.98	99.02				0.00	0.99
2	A	2	3	7	0.35	60.97	38.33				0.71	0.38
2	B	2	3	8	0.51	56.90	42.39				0.71	0.42
2	C	2	3	8	0.39	42.06	57.23				0.71	0.57
2	D	2	3	8	0.37	39.71	59.58				0.71	0.60
2	E	2	3	8	0.51	36.73	62.56				0.71	0.63
2	F	2	3	8	0.43	60.96	38.33				0.71	0.38
3	A	2	2	6	0.63	3.63	4.90	32.39	44.22	14.69	0.17	0.65
3	B	2	2	6	0.66	0.07	6.35	34.93	43.76	14.72	0.17	0.67
3	C	2	3	6	0.48	0.17	9.13	90.53			0.17	0.95
69		5	2	5	0.49	0.17	1.39	31.47	58.95	7.09	0.93	0.67
91		5	2	5	0.57	0.57	4.53	40.41	43.22	8.38	2.88	0.62
116		5	2	5	0.56	0.41	3.61	41.85	42.40	10.74	0.99	0.64

Mean Item-Total Corr.: 0.46 Mean *p*-Value: 0.63

Table 45. Multiple-Choice Item Analyses, English Grade 5 Mathematics

Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value
1	1	1	1	0.29	0.84	0.85	35	2	6	1	0.53	0.15	0.74
2	1	1	1	0.34	0.26	0.41	37	2	1	1	0.47	0.40	0.77
4	1	1		0.32	0.29	0.95	38	2	6		0.48	0.99	0.81
5	1	4		0.44	0.13	0.82	39	2	3		0.44	0.23	0.55
6	1	1	1	0.49	0.42	0.85	40	2	4		0.52	0.19	0.72
7	1	6		0.35	0.32	0.84	41	2	6		0.39	0.19	0.68
8	1	1	1	0.49	0.14	0.54	42	2	6		0.50	0.41	0.83
10	1	6		0.49	0.31	0.86	43	2	4		0.36	0.68	0.62
11	1	2	2	0.48	0.28	0.80	45	2	2	2	0.57	0.27	0.59
13	1	3	3	0.42	0.07	0.87	47	3	4		0.29	0.04	0.86
14	1	6		0.41	0.19	0.56	48	3	6		0.41	0.24	0.88
16	1	3		0.42	0.39	0.36	49	3	1	1	0.28	0.03	0.97
17	1	3	3	0.47	0.39	0.77	50	3	4		0.56	0.12	0.69
18	1	4		0.31	0.56	0.67	52	3	1		0.39	0.21	0.65
19	1	2		0.50	0.48	0.66	53	3	4		0.42	0.32	0.68
20	1	2	1	0.12	0.62	0.46	55	3	4		0.41	0.60	0.37
21	1	6		0.29	1.27	0.88	56	3	4		0.35	0.48	0.79
22	1	6		0.46	0.90	0.71	58	3	4		0.47	0.09	0.64
24	2	2	2	0.31	0.04	0.91	59	3	3		0.29	0.42	0.53
25	2	6		0.31	0.18	0.93	61	3	1	1	0.40	0.13	0.63
26	2	1	1	0.51	0.24	0.72	62	3	1		0.36	0.32	0.80
27	2	1	1	0.40	0.10	0.81	63	3	6		0.43	0.40	0.82
28	2	6		0.59	0.33	0.75	64	3	1		0.49	0.95	0.79
30	2	1	1	0.49	0.21	0.55	65	3	2		0.39	0.32	0.71
31	2	3		0.44	0.14	0.88	66	3	2	3	0.57	0.22	0.60
32	2	4		0.24	0.19	0.77	67	3	3		0.50	0.27	0.68
34	2	2		0.53	0.22	0.78	68	3	4		0.44	0.40	0.51

Mean Item-Total Corr.: 0.42 Mean *p*-Value: 0.72

Table 46. Constructed-Response Item Analyses, English Grade 5 Mathematics

Item #	Part	Session	CS	SA	Item-Total Corr.	Percent of Students Obtaining Score Level					Omit %	*p*-Value
						0	1	2	3	4		
3		1	4		0.52	32.00	21.44	46.24			0.31	0.57
9		1	3	3	0.69	3.35	33.29	28.82	34.36		0.18	0.65
12		1	3	3	0.40	5.21	11.74	82.94			0.11	0.89
15		1	1	1	0.65	12.82	23.42	42.82	20.74		0.20	0.57
23		1	2	2	0.72	19.60	15.31	21.87	17.50	24.93	0.79	0.53
29		2	1		0.65	44.50	14.00	40.80			0.70	0.48
33		2	4		0.56	16.64	28.52	22.10	32.53		0.20	0.57
36		2	2	2	0.69	23.40	16.33	59.76			0.50	0.68
44		2	2	2	0.56	11.75	13.72	20.57	53.69		0.27	0.72
46		2	4		0.66	1.78	34.66	10.81	22.12	30.47	0.17	0.61
51		3	2	2	0.52	22.45	45.08	32.25			0.22	0.55
54		3	6	1	0.58	5.30	12.19	26.18	55.65		0.69	0.77
57		3	3	3	0.63	10.34	27.00	36.63	25.83		0.20	0.59
60		3	6		0.59	27.26	35.19	37.16			0.39	0.55
69		3	3	3	0.69	4.94	8.44	13.89	27.57	44.90	0.26	0.75

Mean Item-Total Corr.: 0.61 Mean *p*-Value: 0.63

Table 47. Multiple-Choice Item Analyses, English Grade 5 Science

Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value
1	1	1	1	0.25	0.24	0.97	39	2	1	2	0.46	0.08	0.82
2	1	3		0.39	0.04	0.71	40	2	1	2	0.44	0.25	0.63
3	1	1	1	0.17	0.07	0.83	42	2	2		0.29	0.10	0.54
5	1	3		0.25	0.05	0.63	43	2	1	2	0.47	0.20	0.66
6	1	4		0.33	0.13	0.69	44	2	1	1	0.56	0.18	0.81
7	1	2		0.45	0.05	0.63	47	2	3		0.29	0.21	0.96
8	1	1	2	0.31	0.18	0.72	48	2	3		0.34	0.26	0.77
9	1	2		0.50	0.08	0.81	49	2	1	1	0.55	0.23	0.78
10	1	2		0.37	0.06	0.67	50*	2	2		-.11	0.36	0.18
11	1	2		0.38	0.43	0.61	51	3	1	1	0.26	0.47	0.67
12	1	1	1	0.41	0.19	0.72	52	3	1	1	0.50	0.06	0.83
13	1	2		0.29	0.07	0.75	54	3	4		0.40	0.42	0.81
14	1	1	2	0.54	0.09	0.71	56	3	3		0.37	0.10	0.58
15	1	3		0.32	0.21	0.96	57	3	1	2	0.47	0.11	0.75
16	1	3		0.22	0.11	0.94	59	3	3		0.37	0.24	0.67
17	1	4		0.31	0.12	0.50	60	3	3		0.46	0.42	0.87
18	1	4		0.42	0.17	0.73	61	3	2		0.30	0.10	0.91
19	1	4		0.49	0.17	0.78	62	3	4		0.36	0.23	0.59
20	1	4		0.39	0.41	0.68	63	3	4		0.28	0.50	0.42
26	2	4		0.33	0.05	0.88	65	3	1	1	0.60	0.15	0.74
27	2	2		0.17	0.04	0.98	66	3	1	2	0.26	0.14	0.59
29	2	3		0.34	0.11	0.78	67	3	1	1	0.49	0.31	0.82
30	2	1	1	0.31	0.09	0.95	69*	3	1	2	-.04	0.15	0.18
31	2	1	1	0.31	0.06	0.92	70	3	1	2	0.50	0.14	0.71
32	2	1	2	0.26	0.16	0.97	71	3	4		0.30	0.62	0.95
34	2	2		0.33	0.31	0.64	72	3	1	2	0.36	0.07	0.54
35	2	2		0.32	0.13	0.95	73	3	1	1	0.43	0.14	0.73
36	2	2		0.47	0.11	0.89	74	3	1	1	0.50	0.24	0.58
38	2	4		0.38	0.39	0.87							

Mean Item-Total Corr.: 0.36 Mean *p*-Value: 0.74

* Item removed from calibration.

Table 48. Constructed-Response Item Analyses, English Grade 5 Science

Item #	Part	Session	CS	SA	Item-Total Corr.	Percent of Students Obtaining Score Level					Omit %	*p*-Value
						0	1	2	3	4		
4		1	4		0.44	3.44	42.66	53.69			0.21	0.75
21		1	1	2	0.47	64.72	34.86				0.42	0.35
22		1	1	1	0.45	24.95	74.60				0.45	0.75
23		1	1	1	0.42	26.28	47.22	26.07			0.43	0.50
24		1	1	2	0.46	47.54	51.93				0.53	0.52
25		1	1	2	0.45	25.57	14.79	58.94			0.70	0.66
28		2	1	1	0.61	45.47	19.78	34.50			0.26	0.44
33		2	2		0.42	58.58	41.02				0.39	0.41
37		2	2		0.34	72.11	26.68				1.21	0.27
41		2	1	2	0.45	46.10	44.89	8.51			0.50	0.31
45		2	1	1	0.62	17.06	22.36	59.95			0.63	0.71
46		2	3		0.54	4.70	35.92	59.20			0.17	0.77
53		3	3		0.37	11.44	6.51	81.90			0.15	0.85
55		3	4		0.53	35.97	36.97	26.18			0.87	0.45
58		3	4		0.60	12.24	57.47	28.58			1.71	0.57
64		3	3		0.32	2.47	18.68	78.57			0.29	0.88
68		3	3		0.49	29.77	48.66	21.29			0.28	0.46
75		3	2		0.54	51.59	22.20	25.24			0.97	0.36

Mean Item-Total Corr.: 0.47 Mean *p*-Value: 0.56

Table 49. Multiple-Choice Item Analyses, English Grade 6 Reading

Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value
4	3	1	3	0.28	0.17	0.80	41	4	1	3	0.53	1.60	0.81
5	3	1	1	0.34	0.04	0.81	42	4	1	2	0.35	4.31	0.72
6	3	6	1	0.46	0.11	0.85	44	4	4	2	0.58	3.96	0.78
7	3	6	1	0.47	0.09	0.88	45	4	1	3	0.47	4.20	0.77
8	3	4	1	0.45	0.28	0.78	46	4	4	2	0.36	5.09	0.71
10	3	4	1	0.39	0.09	0.44	47	4	4	2	0.54	4.68	0.77
11	3	6	1	0.31	0.18	0.43	48	4	1	2	0.50	5.72	0.73
12	3	1	3	0.42	0.07	0.87	49	4	6	1	0.47	7.64	0.61
13	3	6	1	0.48	0.18	0.73	50	4	5		0.14	8.36	0.27
14	3	5		0.11	0.18	0.33	51	4	4	1	0.55	8.74	0.69
15	3	5		0.28	0.15	0.31	52	4	6	1	0.52	9.21	0.64
16	3	5		0.57	0.30	0.63	53	4	1	3	0.47	9.60	0.54
17	3	5		0.36	0.33	0.51	54	4	5		0.17	11.0	0.19
18	3	5		0.24	0.39	0.82	56	4	5		0.41	12.9	0.49
21	3	1	2	0.24	0.50	0.59	100	6	4	1	0.27	0.33	0.38
22	3	1	3	0.51	2.33	0.54	102	6	6	1	0.41	0.22	0.63
23	3	4	2	0.30	0.46	0.44	103	6	4	1	0.49	0.54	0.76
24	3	4	2	0.46	0.52	0.76	104	6	6	1	0.42	0.18	0.87
25	3	5		0.34	0.37	0.34	105	6	6	1	0.24	0.22	0.64
26	4	1	2	0.14	0.18	0.47	106	6	1	3	0.47	0.34	0.79
28	4	1	2	0.38	0.68	0.75	107	6	5		0.27	0.16	0.48
30	4	1	3	0.48	0.21	0.63	108	6	5		0.44	0.29	0.70
31	4	4	2	0.36	0.38	0.65	110	6	4	2	0.30	0.66	0.71
32	4	4	2	0.43	0.69	0.84	111	6	4	2	0.53	0.19	0.76
33	4	4	2	0.50	0.32	0.81	112	6	1	3	0.30	0.21	0.50
34	4	4	2	0.39	0.38	0.66	113	6	4	2	0.41	0.40	0.82
35	4	4	2	0.49	0.29	0.75	114	6	1	3	0.49	0.23	0.88
36	4	1	3	0.43	0.38	0.62	115	6	5		0.38	0.26	0.92

Mean Item-Total Corr.: 0.39 Mean *p*-Value: 0.65

Table 50. Constructed-Response Item Analyses, English Grade 6 Reading

Item #	Part	Session	CS	SA	Item-Total Corr.	Percent of Students Obtaining Score Level					Omit %	*p*-Value
						0	1	2	3	4		
9		3	4	1	0.54	44.17	26.15	28.18			1.50	0.41
19		3	5		0.52	21.62	6.95	20.36	47.76		3.30	0.64
20		3	1	2	0.39	52.61	28.25	17.02			2.13	0.31
27		4	5		0.62	29.56	12.46	57.07			0.91	0.63
29		4	5		0.47	21.00	8.47	29.68	38.90		1.94	0.62
37		4	1	2	0.55	29.30	24.43	24.62	18.93		2.71	0.43
38		4	6	2	0.40	11.00	77.55	9.42			2.03	0.48
39		4	1	2	0.53	18.98	27.21	24.67	26.76		2.38	0.52
40		4	6	2	0.56	14.89	38.98	43.05			3.08	0.63
43		4	6	2	0.64	30.63	28.02	22.24	11.18		7.92	0.35
55		4	1	1	0.56	42.35	19.28	14.00	5.32		19.1	0.21
99		6	6	1	0.44	61.37	22.58	13.97			2.07	0.25
101		6	6	1	0.51	44.03	24.16	28.52			3.29	0.41
109		6	1	2	0.63	15.44	27.63	34.97	20.04		1.92	0.53

Mean Item-Total Corr.: 0.53 Mean *p*-Value: 0.46

Table 51. Multiple-Choice Item Analyses, English Grade 6 Writing

Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value
57	5	3	7	0.37	0.04	0.89	78	5	2	7	0.40	0.18	0.89
58	5	3	7	0.47	0.12	0.77	79	5	2	7	0.32	0.27	0.75
59	5	3	7	0.42	0.33	0.83	80	5	2		0.51	0.26	0.77
60	5	3	7	0.42	0.64	0.90	81	5	2	5	0.28	0.21	0.33
61	5	3	7	0.48	0.95	0.71	82	5	2	5	0.31	0.25	0.49
62	5	3	7	0.47	0.09	0.80	83	5	2	5	0.45	0.24	0.69
63	5	3	7	0.43	0.21	0.71	84	5	3	7	0.45	0.34	0.84
64	5	3	7	0.56	0.50	0.78	85	5	2	5	0.48	0.22	0.78
65	5	3	7	0.24	0.33	0.55	86	5	2	5	0.45	0.26	0.68
66	5	3	7	0.40	0.86	0.53	87	5	2	7	0.26	0.26	0.46
67	5	3	7	0.22	0.80	0.49	88	5	2	7	0.54	0.41	0.81
68	5	3	7	0.41	0.65	0.89	89	5	2	8	0.43	0.34	0.65
69	5	3	7	0.38	0.87	0.57	90	5	2	8	0.52	0.71	0.82
70	5	3	7	0.51	0.67	0.67	91	5	2	8	0.49	0.57	0.59
71	5	3	7	0.36	0.68	0.40	92	5	2	5	0.42	0.34	0.64
72	5	3	7	0.29	0.77	0.37	93	5	3	8	0.44	0.65	0.69
73	5	3	7	0.38	0.53	0.87	94	5	3	8	0.14	0.88	0.28
74	5	3	7	0.42	0.19	0.51	95	5	3	8	0.44	0.49	0.76
75	5	3	7	0.47	0.20	0.54	96	5	3	8	0.22	0.70	0.34
76	5	2		0.35	0.52	0.57	97	5	3	8	0.42	0.72	0.58

Mean Item-Total Corr.: 0.4 Mean *p*-Value: 0.65

Table 52. Constructed-Response Item Analyses, English Grade 6 Writing

Item #	Part	Session	CS	SA	Item-Total Corr.	Percent of Students Obtaining Score Level					Omit %	*p*-Value
						0	1	2	3	4		
1		1	2	6	0.09	0.74	99.26				0.00	0.99
2	A	2	3	7	0.46	22.61	76.64				0.74	0.77
2	B	2	3	8	0.50	19.54	79.71				0.75	0.80
2	C	2	3	8	0.32	49.29	49.96				0.75	0.50
2	D	2	3	8	0.52	40.74	58.51				0.75	0.59
2	E	2	3	8	0.43	26.92	72.33				0.75	0.72
2	F	2	3	8	0.46	10.30	88.95				0.75	0.89
3	A	2	2	6	0.58	1.18	3.24	39.79	50.41	5.24	0.14	0.64
3	B	2	2	6	0.59	0.09	3.70	41.39	49.79	4.89	0.14	0.64
3	C	2	3	6	0.43	0.14	6.99	92.73			0.14	0.96
77		5	2	5	0.50	0.33	1.64	27.63	52.71	16.74	0.96	0.70
98		5	2	5	0.51	0.50	2.02	40.32	48.56	6.36	2.24	0.63
116		5	2	5	0.59	0.42	5.21	34.55	46.32	12.30	1.20	0.66

Mean Item-Total Corr.: 0.46 Mean *p*-Value: 0.73

Table 53. Multiple-Choice Item Analyses, English Grade 6 Mathematics

Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value
1	1	1	1	0.47	0.19	0.48	31	2	2	2	0.41	0.17	0.43
2	1	4	3	0.43	0.09	0.70	32	2	3		0.48	0.23	0.56
3	1	3		0.37	0.10	0.80	34	2	4		0.40	0.29	0.36
4	1	1	1	0.33	0.10	0.89	35	2	6		0.32	0.22	0.68
6	1	6		0.41	0.29	0.75	36	2	2	2	0.30	0.14	0.92
7	1	6		0.51	0.37	0.73	38	2	6		0.49	0.43	0.46
9	1	6		0.24	0.72	0.88	39	2	4		0.39	1.48	0.68
10	1	2	2	0.47	0.12	0.82	41	3	1		0.51	0.13	0.44
11	1	2	2	0.41	0.21	0.49	42	3	6	1	0.51	0.12	0.43
13	1	3		0.47	0.35	0.49	43	3	1	1	0.44	0.20	0.48
14	1	4	3	0.38	0.13	0.76	45	3	6		0.37	0.44	0.83
15	1	6	1	0.38	0.15	0.84	47	3	4		0.53	0.21	0.53
17	1	2	2	0.43	0.53	0.83	49	3	1	1	0.39	0.09	0.70
18	1	1		0.63	0.26	0.52	50	3	1		0.55	0.34	0.53
19	1	4	3	0.49	0.40	0.53	52	3	4		0.29	0.16	0.89
21	2	3		0.38	0.10	0.65	53	3	4	3	0.44	0.22	0.72
22	2	3		0.34	0.09	0.83	54	3	2		0.29	0.27	0.46
24	2	1	1	0.62	0.09	0.62	55	3	3		0.39	0.27	0.40
25	2	3		0.23	0.15	0.37	56	3	1	1	0.40	0.31	0.80
26	2	4	3	0.46	0.18	0.76	57	3	2		0.35	0.64	0.74
27	2	4		0.47	0.12	0.79	58	3	4	3	0.52	0.41	0.42
28	2	1		0.52	0.33	0.51	59	3	4		0.35	0.37	0.87
29	2	6		0.61	0.96	0.68							

Mean Item-Total Corr.: 0.43 Mean *p*-Value: 0.65

Table 54. Constructed-Response Item Analyses, English Grade 6 Mathematics

Item #	Part	Session	CS	SA	Item-Total Corr.	Percent of Students Obtaining Score Level					Omit %	*p*-Value
						0	1	2	3	4		
5		1	3		0.68	1.78	25.06	28.89	44.15		0.12	0.72
8		1	4	3	0.52	21.71	17.58	60.43			0.27	0.69
12		1	3		0.59	28.55	30.35	40.56			0.54	0.56
16		1	1	1	0.68	28.36	23.96	30.70	14.02		2.96	0.42
20		1	2	2	0.64	1.60	5.94	15.70	30.47	45.84	0.46	0.78
23		2	3		0.46	4.99	27.19	67.65			0.17	0.81
30		2	4	3	0.67	21.34	33.35	24.34	19.95		1.02	0.47
33		2	2	2	0.50	7.80	11.71	18.55	61.64		0.29	0.78
37		2	4	3	0.58	22.06	16.48	60.74			0.71	0.69
40		2	1	1	0.75	25.72	31.00	16.52	14.53	11.85	0.39	0.39
44		3	6	1	0.59	28.92	31.08	38.83			1.17	0.54
46		3	2	2	0.54	15.76	25.54	50.90	7.53		0.27	0.50
48		3	6	1	0.57	38.56	23.58	37.35			0.51	0.49
51		3	4	3	0.62	20.68	22.64	31.98	24.49		0.21	0.53
60		3	3		0.68	5.52	20.37	17.18	28.46	28.11	0.36	0.63

Mean Item-Total Corr.: 0.6 Mean *p*-Value: 0.6

Table 55. Multiple-Choice Item Analyses, English Grade 7 Reading

Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value
6	3	4	2	0.31	0.32	0.50	40	4	5		0.54	0.24	0.78
7	3	1	3	0.44	0.18	0.48	44	4	1	2	0.35	0.87	0.58
8	3	1	3	0.55	0.44	0.64	45	4	1	2	0.24	0.68	0.40
9	3	4	2	0.42	0.18	0.83	46	4	4	2	0.39	0.76	0.35
10	3	1	3	0.45	0.17	0.85	47	4	4	2	0.55	1.01	0.77
11	3	5		0.36	0.24	0.34	48	4	1	2	0.34	1.07	0.45
12	3	5		0.41	0.18	0.49	49	4	4	2	0.25	1.25	0.49
13	3	5		0.45	0.25	0.58	95	6	4	1	0.55	2.66	0.76
15	3	4	1	0.51	0.22	0.82	96	6	1	1	0.45	0.13	0.85
16	3	6	1	0.50	0.22	0.79	97	6	4	1	0.54	0.21	0.80
17	3	1	3	0.48	0.35	0.75	98	6	6	1	0.44	0.48	0.57
18	3	5		0.27	0.57	0.35	99	6	6	1	0.52	0.26	0.91
20	3	5		0.37	0.36	0.63	100	6	4	1	0.16	0.71	0.47
21	3	1	3	0.20	0.50	0.45	101	6	4	1	0.41	0.88	0.76
24	4	6	1	0.40	0.60	0.84	102	6	4	1	0.39	0.13	0.88
25	4	4	1	0.45	0.12	0.72	103	6	5		0.50	0.23	0.69
26	4	1	3	0.40	0.14	0.47	104	6	5		0.25	0.14	0.55
27	4	1	3	0.41	0.24	0.92	105	6	5		0.38	0.13	0.60
28	4	4	1	0.42	0.13	0.92	106	6	5		0.42	0.22	0.70
29	4	1	1	0.26	0.23	0.48	107	6	5		0.21	0.32	0.43
30	4	6	1	0.45	0.30	0.82	108	6	4	4	0.36	0.13	0.62
31	4	4	1	0.43	0.50	0.69	109	6	1	3	0.57	0.14	0.64
32	4	1	3	0.45	0.14	0.72	110	6	6	4	0.42	0.17	0.67
34	4	6	4	0.45	0.10	0.60	111	6	4	4	0.53	0.41	0.73
35	4	6	4	0.45	0.13	0.87	112	6	5		0.44	0.15	0.61
36	4	6	4	0.37	0.26	0.81	113	6	5		0.27	0.15	0.73
37	4	6	4	0.35	0.26	0.62	114	6	1	3	0.33	0.32	0.66
38	4	5		0.42	0.58	0.70	116	6	5		0.33	0.19	0.67

Mean Item-Total Corr.: 0.4 Mean *p*-Value: 0.66

Table 56. Constructed-Response Item Analyses, English Grade 7 Reading

Item #	Part	Session	CS	SA	Item-Total Corr.	Percent of Students Obtaining Score Level					Omit %	*p*-Value
						0	1	2	3	4		
4		3	5		0.51	19.62	7.59	22.56	46.59		3.64	0.64
5		3	1	2	0.37	45.31	31.71	20.66			2.33	0.37
14		3	6	1	0.46	28.57	42.15	21.69	5.08		2.52	0.34
19		3	1	1	0.60	34.84	31.90	21.75	6.69		4.81	0.32
23		4	5		0.52	19.13	40.19	38.79			1.89	0.59
33		4	1	1	0.44	14.49	44.44	1.68	38.19		1.19	0.54
39		4	1	4	0.67	13.66	12.30	25.42	46.68		1.94	0.68
41		4	6	4	0.49	45.14	28.69	18.61			7.56	0.33
42		4	1	2	0.44	40.69	19.51	17.07	20.72		2.01	0.39
43		4	1	2	0.64	24.23	17.73	54.54			3.50	0.63
92		6	6	1	0.60	22.91	26.35	49.90			0.84	0.63
93		6	4	1	0.61	33.64	37.67	27.67			1.02	0.47
94		6	6	1	0.62	25.81	18.51	23.62	29.12		2.93	0.51
115		6	4	4	0.39	40.40	43.61	14.11			1.88	0.36

Mean Item-Total Corr.: 0.53 Mean *p*-Value: 0.49

Table 57. Multiple-Choice Item Analyses, English Grade 7 Writing

Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value
50	5	3	7	0.38	0.05	0.89	71	5	3	7	0.42	0.38	0.88
51	5	3	7	0.42	0.10	0.78	72	5	3	7	0.40	0.34	0.59
52	5	3	7	0.41	0.23	0.86	73	5	3	7	0.29	0.49	0.71
53	5	3	7	0.18	0.11	0.42	74	5	3	7	0.31	0.60	0.33
54	5	3	7	0.47	0.23	0.72	75	5	3	7	0.26	0.26	0.41
55	5	3	7	0.42	0.34	0.85	76	5	3	7	0.45	0.46	0.53
56	5	3	7	0.36	0.22	0.68	77	5	2	5	0.28	0.25	0.33
57	5	3	7	0.48	0.60	0.85	78	5	2	5	0.40	0.28	0.55
58	5	3	7	0.39	1.70	0.50	79	5	2	5	0.53	0.30	0.80
60	5	3	8	0.25	0.15	0.51	80	5	2	5	0.48	0.44	0.76
61	5	3	8	0.31	0.27	0.38	81	5	2	5	0.51	0.26	0.83
62	5	2	7	0.51	0.30	0.87	82	5	2	5	0.49	0.33	0.73
63	5	2	8	0.41	0.17	0.85	83	5	2		0.43	0.43	0.93
64	5	2	8	0.48	0.27	0.86	84	5	2		0.51	0.33	0.81
65	5	2	8	0.52	0.28	0.72	85	5	3	8	0.56	0.47	0.80
66	5	2	8	0.43	0.17	0.74	86	5	3	8	0.28	1.35	0.31
67	5	2	8	0.51	0.51	0.85	87	5	3	8	0.47	0.32	0.76
68	5	2	8	0.49	0.49	0.74	88	5	3	8	0.47	0.68	0.66
69	5	3	7	0.16	0.44	0.61	89	5	3	8	0.47	0.61	0.66
70	5	3	7	0.30	0.52	0.62	90	5	3	8	0.56	0.67	0.78

Mean Item-Total Corr.: 0.41 Mean *p*-Value: 0.69

Table 58. Constructed-Response Item Analyses, English Grade 7 Writing

Item #	Part	Session	CS	SA	Item-Total Corr.	Percent of Students Obtaining Score Level					Omit %	*p*-Value
						0	1	2	3	4		
1		1	2	6	0.14	1.09	98.91				0.00	0.99
2	A	2	3	7	0.55	22.61	76.80				0.59	0.77
2	B	2	3	7	0.35	24.94	74.47				0.58	0.74
2	C	2	3	8	0.47	27.88	71.54				0.59	0.72
2	D	2	3	7	0.46	44.14	55.27				0.59	0.55
2	E	2	3	8	0.58	40.37	59.05				0.59	0.59
2	F	2	3	8	0.37	55.73	43.69				0.59	0.44
3	A	2	2	6	0.60	3.29	3.92	35.83	53.49	3.27	0.21	0.62
3	B	2	2	6	0.62	0.07	5.06	39.08	52.49	3.09	0.21	0.63
3	C	2	3	6	0.48	0.18	12.90	86.71			0.22	0.93
22		5	2	5	0.57	0.40	2.23	33.50	49.82	12.34	1.71	0.67
59		5	2	5	0.51	0.22	2.96	44.25	41.56	10.11	0.89	0.64
91		5	2	5	0.59	2.24	8.27	45.64	32.83	8.34	2.68	0.58

Mean Item-Total Corr.: 0.48 Mean *p*-Value: 0.68

Table 59. Multiple-Choice Item Analyses, English Grade 7 Mathematics

Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value
1	1	4		0.52	0.14	0.65	31	2	1		0.55	0.12	0.73
2	1	4		0.39	0.11	0.64	33	2	2		0.45	0.14	0.51
4	1	3		0.22	0.30	0.64	34	2	2		0.47	0.29	0.75
5	1	2		0.39	0.25	0.58	36	2	4	2	0.25	0.49	0.27
6	1	4	2	0.46	0.20	0.56	37	2	4		0.45	0.30	0.75
7	1	1		0.46	0.31	0.45	38	2	4		0.37	0.24	0.65
9	1	3		0.32	0.12	0.84	39	2	4		0.39	0.26	0.51
11	1	2		0.38	0.41	0.42	41	3	2		0.41	0.05	0.86
12	1	1		0.31	0.50	0.45	42	3	1	1	0.46	0.08	0.68
13	1	1		0.21	1.25	0.90	44	3	4		0.40	0.75	0.66
14*	1	1	1	-.19	0.55	0.13	45	3	2		0.38	0.14	0.83
16	1	1		0.43	0.58	0.74	46	3	3		0.43	0.25	0.61
17	1	4		0.36	0.59	0.56	47	3	1		0.54	0.65	0.48
18	1	3		0.45	0.53	0.47	48	3	1		0.47	0.76	0.49
19	1	1		0.36	0.65	0.84	50	3	1	1	0.46	0.31	0.48
21	2	1		0.46	0.16	0.33	51	3	3		0.48	0.30	0.71
22	2	2		0.42	0.17	0.68	52	3	1	1	0.49	0.43	0.76
23	2	3		0.48	0.26	0.58	54	3	4		0.18	0.23	0.80
24	2	1		0.36	0.17	0.84	55	3	2		0.54	0.16	0.57
26	2	4		0.24	0.36	0.32	56	3	3		0.42	0.39	0.72
27	2	1	1	0.40	0.48	0.41	58	3	2		0.49	0.35	0.62
28	2	3		0.30	0.48	0.29	59	3	4	2	0.30	0.36	0.67
30	2	3		0.15	0.12	0.98							

Mean Item-Total Corr.: 0.38 Mean *p*-Value: 0.61

* Item removed from calibration.

Table 60. Constructed-Response Item Analyses, English Grade 7 Mathematics

Item #	Part	Session	CS	SA	Item-Total Corr.	Percent of Students Obtaining Score Level					Omit %	*p*-Value
						0	1	2	3	4		
3		1	2		0.50	63.47	12.05	22.29			2.20	0.28
8		1	1	1	0.75	25.41	19.80	21.35	33.18		0.27	0.54
10		1	3		0.52	79.66	6.42	12.87			1.04	0.16
15		1	4	2	0.70	59.46	22.22	5.44	11.26		1.62	0.22
20		1	1		0.63	9.34	47.83	29.04	4.55	8.35	0.90	0.38
25		2	3		0.69	57.35	22.50	11.72	7.90		0.53	0.23
29		2	4	2	0.46	51.00	35.99	10.72			2.29	0.29
32		2	4		0.59	63.53	7.91	27.12			1.44	0.31
35		2	2		0.58	14.72	25.76	46.14	13.02		0.35	0.52
40		2	4	2	0.73	31.76	9.53	24.15	18.12	15.83	0.62	0.44
43		3	1	1	0.58	29.92	27.90	40.43			1.74	0.54
49		3	4		0.69	30.00	9.69	23.92	35.09		1.30	0.54
53		3	1	1	0.62	36.87	22.47	39.79			0.87	0.51
57		3	2		0.44	3.58	9.32	28.90	57.62		0.59	0.80
60		3	3		0.66	20.57	25.01	16.61	31.84	4.51	1.45	0.43

Mean Item-Total Corr.: 0.61 Mean *p*-Value: 0.41

Table 61. Multiple-Choice Item Analyses, English Grade 8 Reading

Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value
4	3	6	1	0.44	0.15	0.78	41	4	1	2	0.28	1.28	0.39
5	3	4	1	0.38	0.14	0.83	42	4	4	2	0.43	1.51	0.37
6	3	6	1	0.25	0.11	0.51	43	4	4	2	0.53	1.84	0.79
7	3	1	3	0.44	0.04	0.91	44	4	1	2	0.41	2.34	0.53
8	3	1	3	0.46	0.07	0.53	45	4	5		0.26	2.24	0.83
9	3	4	1	0.49	0.16	0.59	46	4	5		0.40	2.37	0.47
10	3	1	1	0.54	0.16	0.80	92	6	1	1	0.30	1.52	0.82
11	3	5		0.39	0.05	0.87	93	6	1	1	0.42	0.11	0.88
12	3	5		0.41	0.11	0.73	94	6	6	1	0.43	0.20	0.56
15	3	4	2	0.41	0.29	0.83	95	6	6	1	0.24	0.39	0.63
16	3	1	3	0.49	0.12	0.88	96	6	1	3	0.15	0.20	0.54
17	3	1	3	0.47	0.19	0.75	97	6	1	3	0.40	0.83	0.60
18	3	4	2	0.19	0.53	0.36	98	6	4	1	0.46	0.13	0.83
19	3	5		0.37	0.19	0.72	99	6	5		0.48	0.30	0.72
20	3	5		0.32	0.31	0.42	100	6	5		0.25	0.11	0.57
22	4	1	2	0.31	0.08	0.76	101	6	6	4	0.19	0.12	0.36
23	4	1	2	0.33	0.08	0.50	102	6	6	4	0.25	0.21	0.34
25	4	1	2	0.11	0.17	0.49	103	6	5		0.28	0.28	0.38
26	4	4	2	0.35	0.13	0.86	104	6	4	4	0.30	0.38	0.39
27	4	4	2	0.47	0.18	0.76	105	6	5		0.31	0.18	0.36
31	4	4	1	0.46	0.17	0.88	106	6	6	4	0.28	0.28	0.37
32	4	6	1	0.54	0.21	0.86	107	6	6	4	0.51	0.26	0.71
33	4	6	1	0.32	0.35	0.48	110	6	1	3	0.38	2.77	0.46
34	4	6	1	0.30	0.45	0.46	112	6	4	2	0.34	0.59	0.49
35	4	6	1	0.51	0.28	0.80	113	6	1	3	0.49	0.60	0.81
36	4	1	3	0.28	0.29	0.68	114	6	1	3	0.50	0.79	0.51
37	4	5		0.44	0.49	0.68	115	6	5		0.46	1.00	0.56
40	4	1	2	0.37	1.50	0.62	116	6	5		0.49	1.04	0.79

Mean Item-Total Corr.: 0.38 Mean *p*-Value: 0.63

Table 62. Constructed-Response Item Analyses, English Grade 8 Reading

Item #	Part	Session	CS	SA	Item-Total Corr.	Percent of Students Obtaining Score Level					Omit %	*p*-Value
						0	1	2	3	4		
13		3	1	2	0.46	3.94	10.64	25.72	58.60		1.10	0.79
14		3	1	2	0.57	11.39	29.32	8.79	47.15		3.36	0.63
24		4	1	2	0.47	17.16	73.47	7.15			2.22	0.44
28		4	5		0.62	8.99	30.99	46.21	10.43		3.38	0.52
29		4	6	1	0.51	40.40	28.89	25.63			5.08	0.40
30		4	4	1	0.60	28.92	15.36	18.27	33.41		4.03	0.51
38		4	1	2	0.56	24.78	27.52	43.32			4.38	0.57
39		4	1	2	0.62	19.33	16.33	58.80			5.54	0.67
89		6	6	1	0.59	18.30	24.09	56.52			1.09	0.69
90		6	4	1	0.63	28.47	34.83	36.04			0.65	0.53
91		6	6	1	0.50	18.07	33.91	45.64			2.39	0.63
108		6	4	4	0.63	10.80	29.99	44.50	9.78		4.93	0.49
109		6	6	4	0.50	58.72	23.92	9.79			7.57	0.22
111		6	5		0.60	7.46	8.24	21.17	37.01	20.48	5.65	0.61

Mean Item-Total Corr.: 0.56 Mean *p*-Value: 0.55

Table 63. Multiple-Choice Item Analyses, English Grade 8 Writing

Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value
47	5	3	8	0.48	0.11	0.81	68	5	2	8	0.53	0.52	0.88
48	5	3	8	0.46	0.16	0.82	69	5	2	8	0.45	0.66	0.57
49	5	2		0.43	0.65	0.70	70	5	3	7	0.19	0.31	0.44
50	5	2		0.44	0.16	0.65	71	5	3	8	0.39	0.31	0.62
51	5	2		0.48	0.21	0.68	72	5	3	8	0.49	0.37	0.42
52	5	3	7	0.44	0.42	0.88	73	5	2		0.47	0.20	0.63
53	5	2	5	0.33	0.12	0.35	74	5	2	5	0.47	0.26	0.76
54	5	2	5	0.38	0.14	0.59	75	5	3	7	0.43	0.24	0.57
55	5	2	5	0.46	0.17	0.82	76	5	3	7	0.33	0.41	0.37
56	5	2	5	0.45	0.23	0.92	77	5	3	7	0.51	0.28	0.66
57	5	3	7	0.37	0.24	0.72	78	5	3	7	0.45	5.34	0.76
58	5	3	7	0.19	0.45	0.65	79	5	3	7	0.41	0.36	0.55
59	5	3	7	0.31	0.60	0.61	80	5	3	7	0.53	0.71	0.79
60	5	3	7	0.16	5.11	0.80	81	5	3	7	0.38	0.63	0.57
61	5	3	7	0.30	0.67	0.78	82	5	3	7	0.51	0.71	0.71
62	5	3	7	0.20	0.34	0.40	83	5	3	8	0.39	0.32	0.73
64	5	3	8	0.47	0.21	0.82	84	5	3	8	0.40	0.42	0.66
65	5	3	8	0.38	0.26	0.90	85	5	2	8	0.55	0.37	0.81
66	5	2		0.46	0.27	0.85	86	5	3	7	0.56	0.31	0.74
67	5	2	8	0.48	0.20	0.76	87	5	2	5	0.51	0.37	0.73

Mean Item-Total Corr.: 0.42 Mean *p*-Value: 0.69

Table 64. Constructed-Response Item Analyses, English Grade 8 Writing

Item #	Part	Session	CS	SA	Item-Total Corr.	Percent of Students Obtaining Score Level					Omit %	*p*-Value
						0	1	2	3	4		
1		1	2	6	0.14	1.17	98.83				0.00	0.99
2	A	2	3	8	0.41	22.82	76.28				0.90	0.76
2	B	2	3	8	0.30	43.80	55.30				0.90	0.55
2	C	2	3	7	0.48	43.50	55.61				0.90	0.56
2	D	2	3	8	0.34	37.68	61.42				0.90	0.61
2	E	2	3	7	0.41	56.48	42.62				0.90	0.43
2	F	2	3	8	0.39	29.85	69.25				0.90	0.69
3	A	2	2	6	0.59	2.06	2.17	20.00	67.01	8.54	0.22	0.69
3	B	2	2	6	0.63	0.06	3.23	25.19	63.15	8.15	0.22	0.69
3	C	2	3	6	0.50	0.11	13.70	85.98			0.22	0.93
21		5	2	5	0.58	0.19	4.63	26.21	55.84	11.56	1.57	0.68
63		5	2	5	0.58	0.27	5.38	33.98	46.02	13.02	1.34	0.66
88		5	2	5	0.59	1.48	6.06	40.00	39.75	9.48	3.22	0.61

Mean Item-Total Corr.: 0.46 Mean *p*-Value: 0.68

Table 65. Multiple-Choice Item Analyses, English Grade 8 Mathematics

Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value
1	1	2	2	0.36	0.15	0.59	32	2	4	2	0.37	0.33	0.40
3	1	1	2	0.45	0.54	0.37	34	2	1		0.32	0.27	0.45
4	1	1		0.30	0.70	0.74	35	2	2	1	0.19	0.37	0.18
5	1	1		0.47	0.48	0.55	36	2	4	3	0.20	0.34	0.27
6	1	3	2	0.45	0.59	0.59	37	2	1	2	0.29	0.68	0.48
8	1	1		0.24	0.32	0.11	38	2	1		0.58	1.83	0.54
9	1	2		0.37	0.29	0.54	39	2	2	1	0.47	0.97	0.30
11	1	2		0.44	0.40	0.48	41	3	2		0.36	0.09	0.81
12	1	4	3	0.38	0.26	0.41	42	3	1		0.52	0.12	0.69
13	1	4		0.37	0.18	0.67	43	3	4		0.41	0.19	0.73
14	1	4		0.57	0.50	0.42	45	3	1		0.40	0.13	0.47
16	1	4	2	0.35	0.39	0.74	46	3	3		0.24	0.12	0.21
17	1	4	2	0.19	0.59	0.60	47	3	4	3	0.14	0.26	0.26
18	1	3		0.42	0.64	0.66	49	3	3		0.39	0.52	0.75
19	1	3		0.22	2.19	0.84	51	3	4	3	0.19	0.31	0.21
21	2	3		0.34	0.19	0.29	52	3	2		0.50	0.45	0.70
22	2	4	2	0.35	0.23	0.70	54	3	1		0.45	0.16	0.71
23	2	2	1	0.30	0.08	0.93	55	3	4		0.44	0.20	0.51
24	2	3		0.55	0.10	0.52	56	3	3		0.55	0.24	0.35
26	2	2		0.40	0.12	0.70	57	3	2		0.46	0.29	0.40
27	2	3		0.29	0.15	0.17	58	3	4	3	0.19	0.37	0.82
29	2	4	3	0.27	0.27	0.15	59	3	2	1	0.27	0.35	0.40
31	2	1	2	0.31	0.31	0.30							

Mean Item-Total Corr.: 0.36 Mean *p*-Value: 0.5

Table 66. Constructed-Response Item Analyses, English Grade 8 Mathematics

Item #	Part	Session	CS	SA	Item-Total Corr.	Percent of Students Obtaining Score Level					Omit %	*p*-Value
						0	1	2	3	4		
2		1	2		0.51	33.46	24.04	42.21			0.30	0.54
7		1	3		0.73	17.86	32.28	16.41	32.36		1.08	0.54
10		1	1	2	0.68	47.29	11.90	38.76			2.05	0.45
15		1	1	2	0.55	57.59	24.06	11.14	4.72		2.49	0.20
20		1	1	2	0.73	33.66	26.80	25.21	8.50	4.14	1.68	0.30
25		2	2	1	0.58	71.80	13.20	9.61			5.39	0.16
28		2	3		0.69	11.91	28.94	35.44	22.83		0.89	0.56
30		2	4	2	0.60	58.18	8.85	30.77			2.20	0.35
33		2	4	3	0.67	41.99	36.80	12.30	7.08		1.83	0.28
40		2	4	3	0.71	23.17	8.84	23.59	21.35	22.02	1.03	0.52
44		3	3		0.70	33.54	22.24	43.67			0.54	0.55
48		3	4		0.66	16.71	8.54	27.81	45.86		1.08	0.67
50		3	1		0.56	54.10	7.67	35.94			2.30	0.40
53		3	2	1	0.75	37.76	19.65	19.84	19.89		2.87	0.40
60		3	2	1	0.57	5.40	11.61	23.22	40.79	18.64	0.34	0.64

Mean Item-Total Corr.: 0.65 Mean *p*-Value: 0.44

Table 67. Multiple-Choice Item Analyses, English Grade 8 Science

Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value
1	1	3		0.21	0.03	0.83	45	2	1	1	0.42	0.16	0.83
3	1	2	4	0.27	0.16	0.52	46	2	4	5	0.40	0.08	0.59
4	1	3		0.10	0.06	0.15	47	2	1	1	0.40	0.10	0.42
5	1	3		0.37	0.06	0.53	48	2	1	1	0.46	0.25	0.58
6	1	1	1	0.48	0.11	0.55	50*	2	4	5	-.04	0.72	0.20
8	1	2	3	0.30	0.03	0.35	51	2	3		0.13	0.53	0.27
9	1	4	5	0.17	0.23	0.34	52	2	1	2	0.44	0.39	0.50
10	1	2	4	0.23	0.20	0.51	54	2	1	1	0.36	0.09	0.50
11	1	1		0.55	0.07	0.66	55	2	1	2	0.55	0.22	0.80
12	1	1	2	0.34	0.17	0.66	56	3	4	5	0.28	0.15	0.24
13	1	4	5	0.38	0.07	0.89	58	3	2	4	0.25	0.13	0.35
14	1	4	5	0.38	0.20	0.86	59	3	3		0.37	0.16	0.29
15	1	1	2	0.36	0.09	0.67	60	3	4		0.35	0.09	0.79
16	1	4		0.36	0.14	0.36	61	3	1	2	0.36	0.11	0.83
17	1	1	1	0.32	0.35	0.69	62	3	4		0.32	2.85	0.49
18	1	2	4	0.33	0.16	0.53	64	3	1	2	0.30	0.14	0.95
27	2	1	2	0.41	0.02	0.88	65	3	1	2	0.35	0.78	0.90
28	2	3		0.14	0.17	0.37	67	3	1	2	0.42	0.18	0.77
29	2	1	2	0.25	0.31	0.66	68	3	1	1	0.44	0.32	0.50
30	2	3		0.33	0.13	0.46	69	3	2	3	0.40	0.25	0.46
32*	2	1	1	-.08	0.18	0.17	70	3	1	1	0.38	0.11	0.37
34	2	1	2	0.38	0.12	0.35	71	3	2	4	0.42	0.13	0.21
35	2	2	4	0.33	0.13	0.49	72	3	2	4	0.23	0.20	0.47
36	2	1	1	0.40	0.22	0.66	73	3	3		0.50	0.07	0.82
37	2	2	3	0.29	0.37	0.45	74	3	3		0.38	0.18	0.79
38	2	4	5	0.37	0.43	0.50	76	3	3		0.26	0.29	0.39
40	2	3		0.32	0.18	0.42	79	3	4		0.26	0.18	0.74
42	2	4	5	0.37	0.19	0.53	81	3	4	5	0.53	0.40	0.65
43	2	1	2	0.56	0.12	0.73	82	3	3		0.21	0.22	0.49
44	2	2	3	0.32	0.14	0.62	83	3	2	4	0.10	0.16	0.24

Mean Item-Total Corr.: 0.33 Mean *p*-Value: 0.55

* Item removed from calibration.

Table 68. Constructed-Response Item Analyses, English Grade 8 Science

Item #	Part	Session	CS	SA	Item-Total Corr.	Percent of Students Obtaining Score Level					Omit %	*p*-Value
						0	1	2	3	4		
2		1	1		0.64	41.08	41.49	10.92			6.51	0.32
7		1	4		0.49	26.17	63.36	9.45			1.01	0.41
19		1	1	1	0.58	32.08	30.89	35.74			1.29	0.51
20		1	1	1	0.49	45.14	53.13				1.73	0.53
21		1	1	2	0.39	15.16	83.33				1.52	0.83
22		1	1	2	0.59	9.16	13.64	17.85	23.44	35.01	0.90	0.65
23		1	1	2	0.52	22.69	75.40				1.91	0.75
24		1	1	1	0.26	88.34	10.09				1.57	0.10
25		1	1	2	0.28	79.00	18.21				2.80	0.18
26		2	4	5	0.46	65.58	4.62	24.72			5.08	0.27
31		2	2	3	0.61	48.58	29.57	20.61			1.23	0.35
33		2	4	5	0.38	71.29	25.11				3.59	0.25
39		2	1	2	0.54	28.33	29.51	40.11			2.05	0.55
41		2	2	3	0.31	55.97	27.00	13.72			3.31	0.27
49		2	3		0.43	38.76	59.01				2.23	0.59
53		2	3		0.44	25.39	24.40	48.69			1.52	0.61
57		3	2	3	0.49	45.57	10.68	41.14			2.61	0.46
63		3	2	4	0.55	58.26	29.39	10.37			1.98	0.25
66		3	3		0.40	7.31	18.40	73.00			1.29	0.82
75		3	3		0.34	31.36	67.42				1.22	0.67
77		3	3		0.42	72.83	16.53	1.45			9.19	0.10
78		3	4	5	0.62	34.76	45.04	18.38			1.82	0.41
80		3	1	1	0.65	11.06	37.94	49.48			1.52	0.68

Mean Item-Total Corr.: 0.47 Mean *p*-Value: 0.46

Table 69. Multiple-Choice Item Analyses, English Grade 9 Reading

Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value
4	3	6	1	0.56	0.09	0.79	38	4	6	4	0.45	0.12	0.74
6	3	4	1	0.42	0.04	0.92	39	4	1	3	0.25	0.10	0.72
7	3	6	1	0.49	0.07	0.90	40	4	4	4	0.49	0.21	0.70
8	3	6	1	0.33	0.15	0.46	41	4	6	4	0.27	0.18	0.78
9	3	6	1	0.31	0.19	0.54	43	4	1	2	0.42	0.55	0.71
10	3	6	1	0.47	0.05	0.85	45	4	1	3	0.55	0.17	0.80
11	3	1	3	0.25	0.09	0.70	46	4	1	3	0.34	0.29	0.67
12	3	5		0.47	0.20	0.71	48	4	5		0.34	1.18	0.64
15	3	4	2	0.39	0.11	0.83	49	4	5		0.32	0.48	0.41
16	3	1	3	0.51	0.10	0.89	50	4	5		0.33	0.50	0.66
17	3	1	3	0.47	0.12	0.77	51	4	5		0.42	0.39	0.78
18	3	1	2	0.35	0.16	0.78	52	4	1	3	0.44	0.47	0.65
19	3	1	2	0.44	0.25	0.85	54	4	5		0.36	0.52	0.53
20	3	4	2	0.21	0.26	0.38	55	4	5		0.23	0.89	0.25
21	3	5		0.40	0.40	0.73	98	6	4	2	0.50	0.11	0.78
23	3	4	4	0.37	0.17	0.80	99	6	1	3	0.50	0.07	0.83
24	3	4	4	0.34	0.29	0.67	101	6	5		0.15	0.34	0.51
26	3	6	4	0.15	4.32	0.30	102	6	5		0.55	0.18	0.74
27	3	6	4	0.39	0.55	0.75	103	6	5		0.41	0.15	0.87
28	3	5		0.46	0.59	0.60	107	6	4	2	0.35	0.30	0.39
29	4	1	1	0.38	0.75	0.72	108	6	1	2	0.42	0.25	0.58
30	4	4	1	0.50	0.17	0.63	109	6	4	2	0.43	0.37	0.53
31	4	1	3	0.28	0.13	0.56	110	6	4	2	0.47	0.31	0.79
32	4	6	1	0.33	0.29	0.29	111	6	1	3	0.30	0.34	0.35
34	4	5		0.25	0.23	0.48	112	6	4	2	0.07	0.40	0.27
35	4	5		0.26	0.11	0.63	113	6	5		0.44	0.35	0.50
36	4	5		0.49	0.11	0.85	114	6	5		0.44	0.76	0.69
37	4	6	4	0.47	0.08	0.67	115	6	5		0.24	0.48	0.33

Mean Item-Total Corr.: 0.38 Mean *p*-Value: 0.65

Table 70. Constructed-Response Item Analyses, English Grade 9 Reading

Item #	Part	Session	CS	SA	Item-Total Corr.	Percent of Students Obtaining Score Level					Omit %	*p*-Value
						0	1	2	3	4		
5		3	4	1	0.58	21.47	13.73	19.00	43.73		2.07	0.61
13		3	1	2	0.46	3.12	8.90	23.84	62.91		1.23	0.82
14		3	1	2	0.58	8.73	23.97	12.46	51.51		3.34	0.68
22		3	6	4	0.52	46.36	12.94	14.54	20.42		5.73	0.34
25		3	6	4	0.63	8.76	10.64	22.44	55.89		2.26	0.74
33		4	6	1	0.47	20.37	45.44	31.83			2.36	0.55
42		4	6	4	0.49	28.31	42.12	23.46			6.10	0.45
44		4	4	2	0.51	22.42	49.19	14.48	10.01		3.90	0.36
47		4	1	2	0.67	19.93	9.83	43.98	19.23		7.03	0.52
53		4	1	2	0.70	21.17	21.10	27.09	21.17		9.48	0.46
100		6	1	2	0.65	33.78	19.78	42.17			4.28	0.52
104		6	4	2	0.52	24.35	46.52	21.20	3.23		4.70	0.33
105		6	5		0.55	21.94	14.19	32.88	26.03		4.97	0.53
106		6	1	2	0.58	41.82	30.01	9.96	10.94		7.26	0.28

Mean Item-Total Corr.: 0.57 Mean *p*-Value: 0.51

Table 71. Multiple-Choice Item Analyses, English Grade 9 Writing

Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value
56	5	3	7	0.30	0.09	0.57	77	5	3	7	0.51	0.59	0.67
57	5	3	7	0.40	0.06	0.93	78	5	3	7	0.31	0.40	0.33
58	5	3	7	0.42	0.25	0.81	79	5	3	7	0.39	0.54	0.41
59	5	3	7	0.14	0.14	0.50	80	5	3	7	0.45	0.63	0.60
60*	5	3	7	-.03	0.19	0.11	81	5	3	7	0.54	0.47	0.80
61	5	2		0.38	0.73	0.88	82	5	2	5	0.50	0.24	0.78
62	5	3	8	0.30	0.13	0.34	83	5	2	7	0.38	0.33	0.68
63	5	3	8	0.49	0.22	0.73	84	5	2	5	0.30	0.29	0.55
64	5	3	8	0.50	0.26	0.65	85	5	2		0.49	0.29	0.70
65	5	3	8	0.43	0.73	0.86	86	5	2	5	0.37	0.26	0.62
66	5	3	8	0.18	0.18	0.58	87	5	2	5	0.49	0.31	0.77
67	5	3	8	0.36	0.36	0.57	88	5	2	5	0.29	0.34	0.45
68	5	3	8	0.37	0.23	0.71	89	5	2	5	0.50	0.31	0.87
70	5	3	8	0.62	0.23	0.79	90	5	2	8	0.57	0.34	0.86
71	5	3	7	0.25	0.30	0.47	91	5	2	8	0.52	0.43	0.70
72	5	3	8	0.53	0.50	0.80	92	5	2	5	0.52	0.33	0.89
73	5	3	8	0.45	0.35	0.75	93	5	2	5	0.53	0.34	0.75
74	5	3	7	0.42	0.28	0.53	94	5	2		0.51	0.41	0.68
75	5	3	7	0.55	0.43	0.64	95	5	2		0.48	0.73	0.74
76	5	3	7	0.42	0.40	0.62	96	5	3	7	0.37	0.54	0.53

Mean Item-Total Corr.: 0.41 Mean *p*-Value: 0.66

* Item removed from calibration.

Table 72. Constructed-Response Item Analyses, English Grade 9 Writing

Item #	Part	Session	CS	SA	Item-Total Corr.	Percent of Students Obtaining Score Level					Omit %	*p*-Value
						0	1	2	3	4		
1		1	2	6	0.21	2.06	97.94				0.00	0.98
2	A	2	3	8	0.37	77.69	20.73				1.57	0.21
2	B	2	3	7	0.41	36.19	62.22				1.59	0.62
2	C	2	3	8	0.51	21.54	76.87				1.59	0.77
2	D	2	3	7	0.48	59.25	39.16				1.59	0.39
2	E	2	3	8	0.50	38.61	59.80				1.59	0.60
2	F	2	3	8	0.37	75.43	22.98				1.59	0.23
3	A	2	2	6	0.68	2.71	7.70	35.33	46.79	7.16	0.30	0.62
3	B	2	2	6	0.70	0.12	7.60	38.04	47.21	6.72	0.30	0.63
3	C	2	3	6	0.61	0.16	31.23	68.30			0.30	0.84
69		5	2	5	0.60	0.34	4.10	32.12	48.33	13.04	2.07	0.66
97		5	2	5	0.58	0.50	3.63	30.28	51.54	11.23	2.82	0.66
116		5	2	5	0.59	0.48	11.33	47.44	30.09	8.26	2.41	0.57

Mean Item-Total Corr.: 0.51 Mean *p*-Value: 0.60

Table 73. Multiple-Choice Item Analyses, English Grade 9 Mathematics

Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value
1	1	3	2	0.41	0.09	0.62	32	2	2		0.37	0.35	0.64
2	1	2	1	0.17	0.15	0.29	33	2	3		0.53	0.17	0.51
4	1	1		0.29	0.25	0.11	34	2	3		0.22	0.60	0.33
5	1	2		0.30	0.07	0.82	36	2	2		0.41	0.63	0.25
7	1	3		0.51	0.19	0.53	37	2	1		0.44	0.58	0.76
8	1	2		0.49	0.28	0.41	38	2	3		0.38	0.46	0.70
9	1	2	1	0.54	0.24	0.36	39	2	4		0.23	0.88	0.46
10	1	3		0.41	0.31	0.46	41	3	1		0.40	0.39	0.56
12	1	4	2	0.25	0.79	0.34	42	3	1		0.30	0.20	0.70
13	1	4		0.30	0.46	0.29	43	3	4		0.39	0.16	0.64
14	1	1		0.39	0.55	0.67	45	3	3		0.21	1.46	0.87
16	1	2		0.13	1.01	0.17	46	3	4		0.42	0.41	0.63
17	1	3		0.23	1.45	0.24	47	3	4		0.12	0.34	0.56
18	1	4		0.23	1.22	0.43	49	3	1		0.52	0.77	0.38
19	1	3		0.29	1.25	0.69	50	3	2		0.20	0.30	0.25
21	2	2	1	0.27	0.11	0.37	51	3	4		0.27	0.44	0.27
22	2	4	2	0.38	0.26	0.38	53	3	1		0.41	0.51	0.28
24	2	3		0.53	0.27	0.34	55	3	4		0.41	0.44	0.59
25	2	2		0.24	0.07	0.87	56	3	2	1	0.27	0.50	0.15
26	2	1		0.34	0.30	0.32	57	3	1	2	0.41	0.62	0.51
28	2	1		0.37	0.39	0.46	58	3	1	2	0.45	0.68	0.34
29	2	3		0.21	0.30	0.62	59	3	2		0.49	0.85	0.37
31	2	4		0.46	0.18	0.34							

Mean Item-Total Corr.: 0.35 Mean *p*-Value: 0.46

Table 74. Constructed-Response Item Analyses, English Grade 9 Mathematics

Item #	Part	Session	CS	SA	Item-Total Corr.	Percent of Students Obtaining Score Level					Omit %	*p*-Value
						0	1	2	3	4		
3		1	3		0.57	55.30	35.33	8.35			1.02	0.26
6		1	2	1	0.72	16.42	48.41	16.52	16.40		2.25	0.44
11		1	1	2	0.59	72.15	3.13	21.89			2.84	0.23
15		1	1	2	0.61	53.81	23.06	12.97	6.06		4.10	0.22
20		1	4		0.76	27.72	30.09	18.71	16.52	3.78	3.18	0.33
23		2	2		0.54	75.07	6.21	14.69			4.03	0.18
27		2	4		0.70	38.31	34.81	14.76	9.99		2.13	0.31
30		2	3		0.44	59.68	23.05	14.72			2.55	0.26
35		2	4	2	0.51	15.18	24.84	55.29	4.15		0.53	0.49
40		2	2	1	0.68	14.36	21.34	22.31	24.40	15.57	2.03	0.50
44		3	1		0.61	75.11	3.63	19.82			1.44	0.22
48		3	3	2	0.77	48.10	24.16	17.15	8.14		2.45	0.28
52		3	2	1	0.64	67.55	15.58	12.29			4.59	0.20
54		3	2	1	0.71	31.41	17.85	20.74	24.80		5.21	0.45
60		3	3	1	0.60	12.57	43.78	33.59	5.20	2.11	2.74	0.34

Mean Item-Total Corr.: 0.63 Mean *p*-Value: 0.31

Table 75. Multiple-Choice Item Analyses, English Grade 10 Reading

Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value
4	3	1	1	0.44	0.03	0.76	40	4	1	2	0.61	0.24	0.62
5	3	1	1	0.38	0.11	0.83	41	4	1	3	0.52	0.20	0.89
6	3	1	1	0.45	0.12	0.79	42	4	1	3	0.21	0.37	0.52
8	3	4	1	0.49	0.17	0.86	43	4	5		0.38	0.27	0.49
9	3	6	1	0.44	0.17	0.82	44	4	4	2	0.37	0.34	0.61
11	3	5		0.25	0.10	0.70	45	4	4	2	0.55	0.54	0.71
12	3	1	3	0.44	0.38	0.72	46	4	1	3	0.53	0.38	0.83
13	3	5		0.43	0.20	0.72	48	4	5		0.59	0.36	0.72
16	3	1	3	0.26	0.16	0.71	49	4	5		0.44	0.35	0.87
17	3	6	4	0.36	0.30	0.76	95	6	4	2	0.39	0.17	0.49
18	3	6	4	0.32	0.31	0.70	96	6	1	2	0.43	0.16	0.60
19	3	6	4	0.41	0.41	0.70	97	6	4	2	0.42	0.41	0.59
20	3	6	4	0.40	0.23	0.61	98	6	4	2	0.47	0.30	0.82
21	3	5		0.40	0.17	0.70	99	6	1	3	0.38	0.37	0.43
22	3	5		0.49	0.28	0.67	101	6	4	2	0.16	0.28	0.36
23	3	5		0.19	0.16	0.77	102	6	5		0.47	0.37	0.54
24	3	5		0.48	0.14	0.91	103	6	5		0.45	0.40	0.76
25	3	5		0.34	0.18	0.84	104	6	5		0.30	0.53	0.34
27	4	6	1	0.44	0.40	0.85	106*	6	6	1	-.10	0.37	0.31
28	4	4	1	0.55	0.18	0.75	107	6	4	1	0.51	0.16	0.80
29	4	6	1	0.30	0.38	0.48	108	6	6	1	0.29	0.23	0.72
30	4	6	1	0.49	0.13	0.74	109	6	6	1	0.56	0.24	0.75
32	4	1	3	0.43	0.10	0.87	110	6	6	1	0.42	0.48	0.76
34	4	5		0.17	0.10	0.34	111	6	6	1	0.29	0.62	0.45
35	4	5		0.14	0.13	0.36	112	6	1	3	0.58	1.08	0.69
36	4	5		0.28	0.11	0.56	113	6	4	1	0.52	0.22	0.85
37	4	5		0.42	0.28	0.58	114	6	1	3	0.26	0.21	0.54
38	4	5		0.44	2.11	0.53	115	6	1	3	0.47	0.21	0.80

Mean Item-Total Corr.: 0.39 Mean *p*-Value: 0.67

* Item removed from calibration.

Table 76. Constructed-Response Item Analyses, English Grade 10 Reading

Item #	Part	Session	CS	SA	Item-Total Corr.	Percent of Students Obtaining Score Level					Omit %	*p*-Value
						0	1	2	3	4		
7		3	1	1	0.36	55.69	25.60	11.87			6.83	0.25
10		3	6	1	0.49	13.79	31.13	32.64	15.18		7.27	0.47
14		3	1	4	0.61	11.88	27.45	13.50	24.01	18.80	4.36	0.50
15		3	6	4	0.60	24.66	42.97	25.89			6.48	0.47
31		4	1	1	0.59	27.35	14.89	30.14	23.88		3.74	0.49
33		4	4	1	0.60	20.88	24.54	36.87	13.94		3.78	0.47
39		4	1	2	0.36	51.40	23.90	16.61	1.38		6.72	0.20
47		4	1	2	0.69	32.69	17.46	42.94			6.91	0.52
50		4	4	2	0.56	21.17	47.50	21.10	3.52		6.71	0.33
51		4	5		0.61	18.99	14.46	29.24	30.82		6.49	0.55
94		6	1	2	0.60	41.72	26.66	13.41	13.02		5.19	0.31
100		6	4	2	0.62	17.72	45.15	29.41			7.72	0.52
105		6	6	1	0.43	69.46	15.66	8.70	1.25		4.92	0.12
116		6	4	1	0.64	6.65	7.08	22.10	59.60		4.58	0.77

Mean Item-Total Corr.: 0.55 Mean *p*-Value: 0.43

Table 77. Multiple-Choice Item Analyses, English Grade 10 Writing

Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value
52	5	3	8	0.52	0.04	0.67	72	5	2	5	0.52	0.50	0.83
53	5	3	8	0.23	0.09	0.71	74	5	2	5	0.52	0.16	0.82
54	5	3	8	0.29	0.34	0.50	75	5	2	7	0.41	0.27	0.75
55	5	3	8	0.33	0.23	0.51	76	5	2	5	0.32	0.22	0.61
56	5	3	8	0.39	0.85	0.39	77	5	2		0.52	0.24	0.73
57	5	3	7	0.57	0.14	0.86	78	5	2	5	0.34	0.22	0.65
58	5	3	7	0.38	0.23	0.60	79	5	2	5	0.49	0.26	0.80
59	5	3	7	0.52	0.36	0.75	80	5	2	5	0.54	0.16	0.87
60	5	3	7	0.41	0.36	0.53	81	5	2		0.43	0.42	0.87
61	5	3	7	0.57	0.18	0.82	82	5	3	8	0.42	0.18	0.58
62	5	3	7	0.39	0.23	0.77	83	5	3	8	0.45	0.29	0.49
63	5	3	7	0.50	0.75	0.72	84	5	3	8	0.48	0.35	0.66
64	5	3	7	0.40	0.58	0.58	85	5	2		0.44	0.27	0.72
65	5	3	7	0.50	0.16	0.72	86	5	2		0.43	0.27	0.94
66	5	3	7	0.46	0.23	0.79	87	5	2		0.44	0.25	0.94
67	5	3	7	0.35	0.51	0.49	88	5	2		0.45	0.30	0.93
68	5	3	7	0.29	1.78	0.46	89	5	2		0.50	0.32	0.80
69	5	3	7	0.42	2.09	0.49	90	5	3	7	0.57	0.29	0.76
70	5	3	7	0.44	0.22	0.63	91	5	3	7	0.35	0.33	0.61
71	5	2	5	0.21	0.28	0.57	92	5	3	7	0.37	0.34	0.34

Mean Item-Total Corr.: 0.43 Mean *p*-Value: 0.68

Table 78. Constructed-Response Item Analyses, English Grade 10 Writing

Item #	Part	Session	CS	SA	Item-Total Corr.	Percent of Students Obtaining Score Level					Omit %	*p*-Value
						0	1	2	3	4		
1		1	2	6	0.22	3.11	96.89				0.00	0.97
2	A	2	3	7	0.24	89.23	9.28				1.50	0.09
2	B	2	3	8	0.34	30.21	68.29				1.49	0.68
2	C	2	3	7	0.47	40.83	57.68				1.49	0.58
2	D	2	3	8	0.48	30.88	67.63				1.49	0.68
2	E	2	3	8	0.33	41.88	56.63				1.49	0.57
2	F	2	3	7	0.47	37.61	60.90				1.49	0.61
3	A	2	2	6	0.70	0.82	6.65	35.26	50.07	7.01	0.19	0.64
3	B	2	2	6	0.71	0.10	7.14	36.30	50.23	6.02	0.20	0.64
3	C	2	3	6	0.62	0.25	29.77	69.79			0.19	0.85
26		5	2	5	0.62	0.70	5.24	51.58	30.26	7.45	4.77	0.57
73		5	2	5	0.53	0.26	4.64	39.75	34.87	18.04	2.44	0.65
93		5	2	5	0.61	0.63	12.20	54.28	23.20	6.80	2.90	0.54

Mean Item-Total Corr.: 0.49 Mean *p*-Value: 0.62

Table 79. Multiple-Choice Item Analyses, English Grade 10 Mathematics

Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value
1	1	3		0.40	0.06	0.61	32	2	1		0.27	0.41	0.26
2	1	1		0.49	0.22	0.33	33	2	2		0.39	0.45	0.55
3	1	4		0.31	3.82	0.28	34	2	3		0.28	0.48	0.55
5	1	1		0.43	0.20	0.72	36	2	2	1	0.58	0.25	0.56
6	1	4		0.26	0.16	0.48	37	2	1		0.34	0.36	0.69
7	1	3		0.28	0.08	0.74	38	2	2		0.44	0.31	0.63
9	1	3	2	0.19	0.14	0.36	39	2	1		0.56	0.40	0.54
10	1	4		0.36	0.27	0.11	41	3	2		0.40	0.21	0.45
11	1	2	1	0.49	0.09	0.62	42	3	1		0.50	0.20	0.37
13	1	4		0.29	0.50	0.30	43	3	4		0.27	0.49	0.60
14	1	3	2	0.16	0.23	0.25	45	3	3	2	0.34	0.54	0.43
16	1	1		0.42	0.34	0.60	46	3	3	1	0.40	0.21	0.76
17	1	3		0.32	0.21	0.85	47	3	1		0.24	0.95	0.43
18	1	3		0.30	0.34	0.46	49	3	2	1	0.38	0.21	0.18
19	1	3	2	0.53	0.32	0.30	50	3	4		0.31	0.43	0.43
21	2	4		0.42	0.29	0.26	51	3	2		0.55	0.39	0.47
22	2	1		0.09	0.48	0.35	53	3	2		0.47	0.63	0.52
23	2	4		0.23	0.11	0.44	55	3	3	2	0.38	0.58	0.54
24	2	1		0.50	0.17	0.44	56	3	4		0.33	1.01	0.29
26	2	1		0.36	0.33	0.18	57*	3	1		0.01	1.14	0.39
28	2	2		0.47	0.24	0.30	58	3	2		0.39	0.94	0.55
29	2	2		0.43	0.41	0.66	59	3	2		0.53	0.91	0.37
31	2	4		0.22	0.35	0.50							

Mean Item-Total Corr.: 0.36 Mean *p*-Value: 0.46
*Item removed from calibration.

Table 80. Constructed-Response Item Analyses, English Grade 10 Mathematics

Item #	Part	Session	CS	SA	Item-Total Corr.	Percent of Students Obtaining Score Level					Omit %	*p*-Value
						0	1	2	3	4		
4		1	3		0.57	52.19	37.68	8.82			1.30	0.28
8		1	1		0.65	60.90	21.49	9.65	4.64		3.32	0.18
12		1	1		0.61	18.30	50.47	28.74			2.49	0.54
15		1	2	1	0.59	7.74	25.53	28.63	37.67		0.43	0.65
20		1	2		0.79	40.24	29.75	8.09	11.64	6.29	3.99	0.27
25		2	2		0.61	68.10	6.87	20.84			4.19	0.24
27		2	3		0.66	58.41	21.81	3.56	14.49		1.72	0.24
30		2	3	2	0.47	31.61	45.51	20.81			2.07	0.44
35		2	4		0.52	11.73	24.52	57.73	5.65		0.37	0.52
40		2	3	1	0.67	3.74	33.33	37.89	13.31	10.03	1.71	0.47
44		3	4		0.67	60.75	21.33	12.55			5.37	0.23
48		3	2	1	0.70	41.79	28.07	6.34	20.98		2.81	0.35
52		3	2	1	0.59	35.88	42.23	15.86			6.03	0.37
54		3	4		0.51	43.23	48.10	1.48	1.80		5.39	0.19
60		3	4		0.67	47.75	36.29	8.38	1.55	0.90	5.13	0.15

Mean Item-Total Corr.: 0.62 Mean *p*-Value: 0.34

Table 81. Multiple-Choice Item Analyses, English Grade 10 Science

Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value	Item #	Session	CS	SA	Item-Total Corr.	Omit %	*p*-Value
1	1	2	4	0.55	0.04	0.47	43	2	4		0.33	0.11	0.75
2	1	1	1	0.46	0.04	0.85	44	2	3		0.50	0.27	0.51
3	1	4	5	0.27	0.10	0.47	45	2	3		0.37	0.56	0.41
4	1	1	2	0.44	0.05	0.42	47	2	3		0.29	0.14	0.30
5	1	4	5	0.45	0.10	0.64	48	2	2	4	0.40	0.24	0.36
6	1	1	1	0.18	0.08	0.38	49	2	3		0.41	0.16	0.90
7	1	2	4	0.21	0.10	0.53	51	2	2	3	0.33	0.13	0.41
8	1	1	1	0.30	0.10	0.31	52	2	4		0.14	0.21	0.24
9	1	3		0.46	0.09	0.77	54	2	3		0.27	0.20	0.47
10	1	4		0.47	0.14	0.78	55	3	4		0.14	0.22	0.19
11	1	1	1	0.36	0.13	0.41	56	3	3		0.44	0.06	0.60
12	1	1	1	0.49	0.09	0.87	57	3	2	3	0.33	0.11	0.39
13	1	1	2	0.48	0.07	0.63	59	3	4	5	0.26	0.13	0.56
15	1	3		0.19	0.09	0.40	60	3	2	4	0.33	0.12	0.59
16	1	2	3	0.36	0.09	0.42	61	3	1	2	0.45	0.12	0.78
17	1	1	2	0.48	0.12	0.74	62	3	4	5	0.55	0.21	0.81
18	1	3		0.44	0.13	0.63	64	3	1	1	0.46	0.18	0.73
19	1	3		0.46	0.31	0.56	65	3	1	1	0.52	0.18	0.72
20	1	1	1	0.44	0.13	0.80	66	3	3		0.21	0.19	0.79
28	2	1	1	0.31	0.10	0.96	67	3	2	3	0.31	0.21	0.75
30	2	1	1	0.52	0.09	0.83	68	3	4		0.48	0.37	0.66
31	2	1	1	0.42	0.10	0.77	70	3	3		0.37	0.14	0.46
32	2	1	2	0.49	0.13	0.64	72	3	2	3	0.45	0.21	0.47
33	2	1	2	0.42	0.13	0.69	73	3	2	4	0.43	0.17	0.72
34	2	4	5	0.29	0.13	0.32	75	3	4	5	0.47	0.30	0.54
36	2	2	4	0.34	0.22	0.43	76	3	1	2	0.46	0.22	0.76
37	2	1	1	0.44	0.15	0.70	79	3	4		0.01	0.17	0.25
38	2	4		0.41	0.12	0.83	80	3	1		0.38	0.18	0.41
39	2	2	4	0.36	0.17	0.80	81	3	1	1	0.47	0.13	0.66
41	2	2	4	0.56	0.21	0.56	82	3	1	1	0.50	0.13	0.72

Mean Item-Total Corr.: 0.39 Mean *p*-Value: 0.59

Table 82. Constructed-Response Item Analyses, English Grade 10 Science

Item #	Part	Session	CS	SA	Item-Total Corr.	Percent of Students Obtaining Score Level					Omit %	*p*-Value
						0	1	2	3	4		
14		1	1	1	0.53	20.70	71.67				7.63	0.72
21		1	1	1	0.36	66.20	30.65				3.15	0.31
22		1	1	2	0.60	12.48	6.10	14.56	35.83	29.38	1.65	0.65
23		1	1	2	0.57	21.83	35.26	38.37			4.54	0.56
24		1	1	1	0.38	59.51	36.67				3.83	0.37
25		1	1	2	0.38	66.35	29.19				4.47	0.29
26		1	1	1	0.31	58.96	28.49	8.57			3.98	0.23
27		1	1	2	0.26	70.60	25.94				3.46	0.26
29		2	4	5	0.52	34.92	39.98	23.22			1.88	0.43
35		2	1	2	0.45	18.21	35.99	41.85			3.95	0.60
40		2	2		0.46	12.93	29.37	54.17			3.53	0.69
42		2	2	3	0.48	62.73	24.26	9.19			3.83	0.21
46		2	3		0.44	71.25	21.90	5.09			1.76	0.16
50		2	4	5	0.60	12.23	24.56	59.18			4.03	0.71
53		2	1	2	0.48	33.90	62.24				3.85	0.62
58		3	3		0.50	66.57	21.01	7.12			5.31	0.18
63		3	3		0.48	62.06	13.49	9.12			15.3	0.16
69		3	4		0.40	74.27	23.93				1.80	0.24
71		3	4	5	0.52	10.17	38.85	45.29			5.70	0.65
74		3	2	3	0.56	43.26	40.49	13.96			2.29	0.34
77		3	4		0.40	68.65	26.52				4.83	0.27
78		3	2	4	0.67	52.72	16.50	25.85			4.92	0.34
83		3	3		0.42	10.27	60.41	28.18			1.13	0.58

Mean Item-Total Corr.: 0.47 Mean *p*-Value: 0.42

Table 83. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 3 English Reading

Item	a	b	c	Fit-Z
1	0.80914	-1.3817	0.1657	45.32
2	0.60823	-1.2610	0.2000	10.48
3	1.10214	-1.2455	0.2517	7.65
4	0.75126	0.1023	0.1168	24.90
5	0.93326	-1.6484	0.0630	6.82
6	1.01351	-1.7012	0.1155	11.07
8	0.88031	0.1048	0.4648	13.35
9	0.74192	1.5762	0.2546	16.79
10	1.06562	-1.5120	0.1113	4.45
11	0.83619	-0.9700	0.1259	7.89
13	0.95402	0.9570	0.2618	36.79
14	0.46767	-1.7845	0.0000	14.79
16	0.91240	-1.5093	0.1657	22.11
17	1.19436	0.5104	0.2097	85.49
19	0.81826	-0.9830	0.1443	6.64
20	0.98404	-1.7807	0.0538	18.27
23	0.37213	-0.0107	0.0642	6.53
24	0.75999	-0.4021	0.1913	8.42
25	0.80326	-0.4394	0.2013	8.63
26	1.04619	-0.2018	0.1483	25.89
28	0.60282	-1.6872	0.1657	17.21
29	1.04805	-0.5040	0.2225	16.88
30	0.87201	-1.0382	0.1615	7.00
31	0.73574	-1.9638	0.1657	170.96
32	0.87861	-0.5306	0.2321	10.60
33	1.17877	-1.3554	0.1404	10.03
34	0.70571	-0.4122	0.2190	6.57
35	0.43351	-0.4545	0.2000	46.76
37	1.28949	0.9273	0.2402	55.62
38	0.54339	0.5078	0.2748	3.43
39	1.30542	-1.2667	0.2370	6.02
40	0.47070	-0.5942	0.2247	18.25

M1=62.4851, M2=564.9636, N=56019, Critical Z=149.38

Table 84. Item Parameter and Fit Summary, Constructed-Response Items, Grade 3 English Reading

Item	Part	f	g1	g2	g3	g4	Fit-Z
7		0.60489	1.4902	-1.6947			39.87
12		0.51718	-1.5852	0.5275	-0.4301	-0.5851	97.06
15		0.53171	-0.1030	-0.2367	-1.1083		58.84
18		0.46036	-0.1293	-0.3044			49.02
21		0.76125	-0.8511	-0.2417			17.82
22		0.60245	-0.0897	0.8459			57.01
27		0.61669	-0.6345	-1.4834	-0.7019		21.61
36		0.40545	0.4469	3.1822			61.92

M1=62.4851, M2=564.9636, N=56019, Critical Z=149.38

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

Item	a	b	c	Fit-Z
3	0.95706	1.3690	0.1216	0.67
4	0.45880	-0.3743	0.2000	0.32
5	0.49947	1.9684	0.1591	0.74
6	0.66229	2.0814	0.1384	1.90
7	0.87369	1.5736	0.1327	0.80
9	0.53038	0.6686	0.1737	1.03
10	0.72674	0.2878	0.3093	-0.58
11	0.68013	-0.3671	0.2000	-1.15
12	0.62321	0.4953	0.2188	0.61
13	0.85259	1.4294	0.1766	-1.15
14	0.12236	6.9192	0.2000	4.77
15	0.73188	-0.9464	0.2000	-0.27
16	0.73373	-1.6201	0.2000	0.11
18	0.57412	-0.9410	0.2000	1.19
19	0.80338	-0.7700	0.2000	0.06
20	0.84427	-0.5233	0.1634	4.72
21	1.76471	-1.7425	0.2000	-0.20
22	0.85694	-0.2384	0.2466	0.11
23	1.21998	-1.1238	0.2000	0.28
24	0.78803	-1.5840	0.2000	1.48
27	0.73312	-1.8226	0.2000	1.40
28	0.78333	-0.7188	0.1670	0.88
29	0.43977	-1.0675	0.2000	1.68
30	0.71310	0.3645	0.2000	0.12
31	0.93815	0.0186	0.2463	-0.53
33	0.56379	-0.0031	0.2000	2.36
34	0.51682	1.1083	0.2658	-0.59
35	0.22181	4.4218	0.2000	-0.87
37	1.22327	-0.6719	0.1379	-0.26
38	0.74655	-0.3824	0.2000	-0.85
39	1.36380	0.2157	0.2780	1.16
40	0.74525	0.0730	0.1923	-1.19

M1=37.2445, M2=522.2120, N=1535, Critical Z=4.09

Table 86. Item Parameter and Fit Summary, Constructed-Response Items, Grade 3 Spanish Reading

Item	Part	f	g1	g2	g3	g4	Fit-Z
1		0.46170	0.7834	-0.8005	-0.4221		4.48
2		0.69753	0.7640	-0.6721	-1.3314		-0.14
8		1.08143	-0.7262	0.1431			-0.02
17		0.54091	-0.4060	-0.1657	-0.2534		1.61
25		0.84543	-0.9370	-0.5400			1.88
26		0.72597	0.6286	0.1147			2.45
32		0.70718	-0.5536	0.1830	1.8979		2.68
36		1.02802	-0.5088	0.1023			3.42

M1=37.2445, M2=522.2120, N=1535, Critical Z=4.09

Table 87. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 3 English Writing

Item	a	b	c	Fit-Z
2	0.53844	-0.3960	0.2656	3.22
3	0.98181	-0.7443	0.1766	12.71
4	0.88435	0.2484	0.4808	12.22
5	1.04926	-0.6224	0.2461	12.17
6	1.13363	-0.9934	0.3480	17.46
7	0.74167	-1.5851	0.2000	14.61
8	1.05227	-0.8894	0.2402	10.42
9	0.99199	-1.2841	0.2505	5.50
10	0.82427	0.2295	0.1744	19.30
11	0.51808	-1.5521	0.2154	3.56
12	0.59790	-1.8355	0.2000	12.70
13	0.82990	0.7372	0.1489	17.80
15	0.90479	-0.5103	0.1353	6.28
16	0.82074	-2.1966	0.2000	3.70
17	0.63973	-0.6825	0.1185	3.82
18	1.00332	-0.1293	0.2547	11.69
19	0.78022	-2.0852	0.1643	2.46
20	1.13145	-1.8139	0.2829	1.60
21	0.92257	-1.5727	0.2023	4.34
22	0.64673	-1.7623	0.2000	50.21
23	0.77485	-1.7494	0.2000	7.73
24	0.76665	-1.3483	0.2313	2.73
25	1.03327	-0.8220	0.2906	9.21
26	0.59553	-1.6021	0.2283	1.89
27	0.66405	0.2870	0.2506	6.89
29	0.90540	-1.6131	0.2487	1.70
30	0.85934	-2.0165	0.2000	2.99
31	0.93017	-1.4836	0.2000	2.60
32	1.05323	-1.6672	0.2239	8.51
33	0.92257	-2.0251	0.2000	2.59
34	0.86766	-0.7096	0.2548	2.45
35	0.82838	1.0420	0.3141	14.17
36	0.58588	-0.6459	0.0557	81.77
37	1.32250	-0.8813	0.1498	9.41
38	1.14261	-0.9405	0.2270	20.70

M1=43.9152, M2=469.7298, N=55086, Critical Z=146.90

Table 88. Item Parameter and Fit Summary, Constructed-Response Items, Grade 3 English Writing

Item	Part	f	g1	g2	g3	g4	Fit-Z
1	A	1.19741	0.7951				18.86
1	B	0.82573	-0.4240				28.66
1	C	1.05524	-1.1700				3.73
1	D	0.37649	-0.8890				121.50
1	E	0.87951	-1.6444				36.64
1	F	1.27228	-1.4996				13.05
14	A	1.58669	-3.6816	3.4798			57.85
14	B	1.87474	-3.9615				18.65
14	C	1.74344	-1.4413				6.90
14	D	1.87810	-2.4808				8.69
28	A	1.36141	-4.4709	2.5369			78.08
28	B	2.01429	-5.3791				4.40
28	C	1.71472	-1.9487				5.41
28	D	1.85904	-2.9180				6.12
39	A	1.75042	-4.7570	4.5798			49.26
39	B	1.97798	-4.9166				6.37
39	C	1.68238	-1.3873				7.07
39	D	1.82136	-2.7675				9.16

M1=43.9152, M2=469.7298, N=55086, Critical Z=146.90

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

Item	a	b	c	Fit-Z
1	0.54904	-2.1124	0.2000	-0.19
2	0.90293	-1.5334	0.2000	-0.27
3	0.94910	-1.8898	0.2000	-0.44
5	0.63614	-0.2111	0.2000	0.31
6	0.74015	-1.3455	0.2000	-0.37
7	0.54249	-1.0403	0.2000	-0.33
8	0.87625	0.4582	0.2920	-0.92
9	1.32912	0.2795	0.2648	1.02
10	0.76232	-2.6768	0.2000	-1.17
11	0.71607	-1.7894	0.2000	-0.49
12	1.24263	-2.0637	0.2000	-0.08
13	0.61698	-1.0806	0.2000	2.19
14	0.51686	-1.5169	0.2000	-0.58
15	0.68561	-1.0089	0.2000	0.33
17	0.78064	-1.0404	0.2000	1.75
18	1.11185	1.6418	0.1906	0.46
19	1.74927	1.4624	0.2686	1.40
20	0.81655	-0.1669	0.2685	1.45
21	0.50760	-1.0384	0.2000	0.17
22	0.93744	0.1956	0.2700	-0.63
23	0.77553	-0.8410	0.2000	2.04
24	0.49438	-0.6673	0.2000	0.95
25	0.91353	-0.9804	0.2000	0.79
26	0.70446	0.8290	0.1691	0.70
28	0.65943	-0.6415	0.2003	3.71
29	0.95942	-1.7531	0.2000	2.07
30	0.85790	-1.5719	0.2000	-1.53
31	0.79015	-1.0406	0.2000	-0.06
32	0.62303	-0.1505	0.1829	0.31
33	0.69468	-0.4096	0.2131	0.28
34	0.90280	-2.2070	0.2000	-0.40
35	0.89478	-2.3237	0.2000	-0.53
36	0.87159	-0.6447	0.1808	0.39
37	0.62172	0.2799	0.1758	-0.71
38	0.54726	-1.3218	0.2000	1.00

M1=59.1094, M2=507.7904, N=1557, Critical Z=4.15

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

Item	Part	f	g1	g2	g3	g4	Fit-Z
4	A	1.06388	-1.7091				-0.71
4	B	0.92607	1.1339				-0.20
4	C	1.07964	-0.7695				-1.13
4	D	0.97927	-0.6824				2.01
4	E	1.02712	-0.4203				2.70
4	F	0.78648	-1.6268				1.07
16	A	0.92404	-2.3387	0.5139			0.34
16	B	1.16217	-1.8588				1.59
16	C	1.67823	-2.4149				-0.11
16	D	1.63079	-3.4395				-0.75
27	A	0.95677	-1.0223	1.1111			5.70
27	B	1.58082	-1.3768				-0.40
27	C	1.79018	-1.7419				0.25
27	D	1.72855	-2.6147				-0.75
39	A	0.82526	-2.4731	0.7122			0.23
39	B	1.23033	-1.5794				-1.52
39	C	1.25290	-1.3602				-0.70
39	D	1.31008	-3.4654				1.71

M1=59.1094, M2=507.7904, N=1557, Critical Z=4.15

Table 91. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 3 English Mathematics

Item	a	b	c	Fit-Z
1	0.59116	-2.1360	0.1159	3.90
2	1.06979	-2.2414	0.2499	4.88
3	0.71353	-1.7953	0.1661	30.40
4	0.64755	-0.8462	0.1024	1.44
5	0.92759	-1.6203	0.1576	1.56
7	0.45413	-2.6947	0.2000	23.02
8	0.58583	-4.1410	0.2000	1.88
9	0.91966	0.0039	0.3754	5.04
11	0.69422	-1.8630	0.4148	6.31
12	0.76616	-2.8637	0.1661	32.21
13	0.85128	-0.8905	0.2628	5.43
15	0.92202	-1.4855	0.0625	2.99
16	0.78253	-1.9971	0.1280	0.57
17	0.71623	-0.0013	0.0501	4.05
18	0.85271	0.1998	0.0990	10.87
19	1.06459	-0.7387	0.2161	4.49
21	0.50341	-2.0605	0.1266	0.07
22	0.96772	1.1937	0.1966	21.77
23	0.81585	-0.5358	0.2085	6.89
24	0.95395	-0.0343	0.1555	10.88
25	0.62379	-1.8906	0.2000	6.72
26	0.91927	-0.1776	0.0393	15.02
27	1.02076	-2.1731	0.2364	3.76
28	0.67490	-3.1131	0.2000	8.26
29	0.75853	-2.7950	0.2000	3.05
30	0.83697	-0.0362	0.2594	3.59
32	0.90801	-1.5461	0.1900	2.17
33	0.71193	-2.1474	0.0988	0.42
35	0.99017	-2.0877	0.2693	7.53
36	1.13244	-1.8770	0.2688	5.94
37	1.10011	-1.3930	0.0584	75.19
39	0.80447	-1.2317	0.1313	2.75

M1=71.8982, M2=466.2391, N=51851, Critical Z=138.27

Table 92. Item Parameter and Fit Summary, Constructed-Response Items, Grade 3 English Mathematics

Item	Part	f	g1	g2	g3	g4	Fit-Z
6		0.82938	1.1777	-0.9309			27.67
10		0.96695	-2.2824	-0.2827			131.02
14		0.96560	-0.6110	-0.2170			32.22
20		0.75742	-2.9206	-0.7460	-0.0466		15.54
31		1.10807	-0.6600	-1.0901			12.80
34		1.31293	-1.6652	0.1431			24.38
38		0.88110	-2.1573	-0.7255			13.75
40		1.15304	-4.0951	-0.9118	0.1994		27.81

M1=71.8982, M2=466.2391, N=51851, Critical Z=138.27

Table 93. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 4 English Reading

Item	a	b	c	Fit-Z
4	0.45067	-2.1779	0.2000	59.40
5	1.23679	0.0319	0.3036	10.08
6	0.74791	-0.3753	0.1867	7.34
7	1.01221	-0.4948	0.2235	3.73
8	0.85988	0.3937	0.1699	19.44
9	0.70186	-1.7247	0.1808	36.23
10	0.86414	-2.0082	0.1621	11.75
12	0.86552	-0.8382	0.0441	87.59
13	1.00347	1.7386	0.1731	89.79
14	1.18410	-0.2596	0.2521	7.99
15	0.72791	0.0771	0.1644	7.27
16	0.96038	-0.1567	0.2085	11.67
19	0.80588	-0.7847	0.1468	12.62
20	0.80076	-0.0540	0.2098	5.24
21	0.72269	-1.1427	0.1639	6.11
22	0.40261	-0.5700	0.2000	2.26
24	1.34784	0.2269	0.2367	28.04
25	1.25763	-1.6436	0.2744	6.52
26	0.79720	-0.4983	0.3825	15.21
27	1.23689	-0.3099	0.2091	16.72
28	1.33207	-0.7884	0.1983	2.34
31	0.41820	-0.2936	0.1049	8.29
32	0.70662	-1.0578	0.1840	-0.10
33	0.80670	-1.0905	0.1627	2.41
34	0.98651	-0.7301	0.1655	12.26
35	0.89044	0.8423	0.2746	8.27
36	0.58677	-0.8883	0.1170	11.51
37	1.05784	-0.4024	0.2121	7.88
38	0.68486	-1.7545	0.1493	5.61
39	0.82221	1.1953	0.1685	12.25
41	1.20896	-0.4391	0.2390	13.50
42	0.85705	-0.7257	0.1641	0.13
43	0.90405	0.5655	0.1689	9.17
44	0.50784	-1.1210	0.2000	108.30
46	0.46671	-0.8895	0.2000	33.50
47	0.71127	-1.8173	0.0971	8.16
49	0.74540	0.6338	0.1118	9.22
50	0.88330	-0.3832	0.1719	16.61
94	0.73474	-1.5938	0.0696	2.80
97	0.49317	-1.3432	0.2000	6.38
98	0.41328	-0.7024	0.2000	78.01
99	0.62218	-1.4060	0.1808	38.42
100	0.79995	-2.4168	0.2000	12.18
101	0.97728	0.1509	0.2043	5.93
102	1.07210	-1.3827	0.2420	3.55
104	0.95697	-1.9983	0.2000	4.60
105	0.57067	-1.8789	0.2000	19.45
106	0.92471	-0.7683	0.1892	1.28
107	1.01320	-1.0735	0.1838	3.14
108	0.91935	-1.5693	0.1641	24.54

continued

Table 93. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 4 English Reading (Concluded)

Item	a	b	c	Fit-Z
110	1.45881	-1.0451	0.1929	3.26
112	0.97519	-0.8007	0.1530	3.11
113	1.65496	-0.8584	0.2893	3.30
114	0.90433	-0.8071	0.1982	10.46
115	1.67242	2.0623	0.1837	72.06
116	0.97085	-0.0917	0.1883	6.34

M1=59.4390, M2=592.0156, N=56150, Critical Z=149.73

Table 94. Item Parameter and Fit Summary, Constructed-Response Items, Grade 4 English Reading

Item	Part	f	g1	g2	g3	g4	Fit-Z
11		1.13286	-2.1973	1.7393	2.6234		96.12
17		0.75854	-1.1127	0.9601	2.9068		111.69
18		0.42417	-0.4015	-0.2612	0.5162		19.99
23		0.41367	0.1547	3.4357			48.84
29		0.60069	-0.9997	-0.4910			25.30
30		0.54424	-0.3984	0.9568			32.97
40		0.76579	-1.2627	0.1183	2.6249		82.28
45		1.00003	0.2899	1.2346			14.96
48		0.55409	-0.7446	-0.6087	0.8200	0.1330	19.04
95		1.39353	-2.2726	-1.4325			6.66
96		1.19841	-2.6289	0.7542			65.83
103		0.73524	-0.5834	-2.2826			19.30
109		0.93216	-1.2551	0.0918	2.6670		28.70
111		1.46165	0.1129	1.6671			43.45

M1=59.4390, M2=592.0156, N=56150, Critical Z=149.73

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

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

continued

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

Item	Source Year	a	b	c	Fit-Z
106	2004	1.09	1.37	0.18	-0.2
107	2004	1.08	0.59	0.24	-0.2
109	2004	0.50	-0.55	0.20	0.1
110	2004	0.51	0.50	0.20	-0.3
111	2004	0.96	-0.50	0.21	1.3
112	2004	0.48	0.09	0.20	1.1
113	2004	0.32	-1.53	0.20	1.7
114	2004	0.70	-0.31	0.21	-1.1
115	2004	0.82	0.19	0.24	-0.3

2004 pre-equated M1= 33.6050, M2= 534.8632, N=523, Critical Z=1.39
2005 pre-equated M1= 39.5116, M2= 550.2315, N=489, Critical Z=1.30
2007 equated M1= 36.1958; M2= 514.4683, N=264, Critical Z=0.70

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

Item	Source Year	f	g1	g2	g3	g4	Fit-Z
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			-1.05
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		-0.65
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 M1= 33.6050, M2= 534.8632, N=523, Critical Z=1.39
2007 equated M1= 36.1958; M2= 514.4683, N=264, Critical Z=0.70

Table 97. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 4 English Writing

Item	a	b	c	Fit-Z
52	0.49375	-1.7415	0.2000	13.17
53	1.17966	-1.4513	0.3241	7.01
54	1.03029	-1.6563	0.2462	10.78
55	0.55376	-1.2903	0.1483	1.72
56	0.99298	-1.2635	0.1935	5.70
57	0.87339	-0.1827	0.3602	3.70
58	0.77287	0.3566	0.1767	10.63
59	0.60244	-2.2733	0.2000	3.10
60	0.63609	-1.9121	0.2000	7.62
61	0.49591	-1.0325	0.2000	66.56
62	0.79400	-1.3711	0.1800	0.84
63	0.55742	-0.6019	0.1901	73.73
64	1.09617	-1.2065	0.0999	8.57
66	0.71487	-1.3916	0.1141	4.79
67	0.64922	-0.4489	0.2000	15.38
68	0.62483	-0.0407	0.1385	13.22
69	0.94578	-1.0971	0.0996	2.56
70	0.71300	-1.1861	0.2000	5.14
71	0.91834	-1.9176	0.2000	14.08
72	1.11185	-1.8510	0.2029	12.64
73	0.93760	-0.6431	0.1541	33.21
74	1.01450	-1.1365	0.1161	16.33
75	0.78531	0.3315	0.2235	14.40
76	1.13599	-1.5303	0.2720	1.67
77	1.03138	-0.9815	0.1596	4.61
78	0.93660	-0.1425	0.2180	10.42
79	1.34028	-1.0571	0.2696	5.42
80	1.26244	-0.7243	0.2363	10.16
81	0.92004	-1.4040	0.1238	46.77
82	0.93914	-1.2001	0.1566	13.42
83	1.16456	-0.9923	0.3012	2.95
84	1.42375	-0.8822	0.2062	17.99
85	1.25321	-1.5010	0.2414	3.67
86	1.03197	-1.4558	0.1221	7.87
87	1.12517	-0.4361	0.2217	11.12
88	0.81218	-0.7535	0.1060	3.75
89	0.23700	-0.1435	0.2000	91.53
90	1.03828	-0.4227	0.3131	5.29
91	0.95874	-1.2040	0.1980	8.68
92	0.84886	-0.9216	0.1198	3.86

M1=46.2937, M2=484.3626, N=55303, Critical Z=147.47

Table 98. Item Parameter and Fit Summary, Constructed-Response Items, Grade 4 English Writing

Item	Part	f	g1	g2	g3	g4	Fit-Z
1		0.60204	-3.9762				1.17
2	A	0.51079	-0.5537				94.72
2	B	1.28115	-1.9283				1.12
2	C	0.54974	-0.0786				22.23
2	D	0.81308	-0.6106				30.88
2	E	1.04859	0.7951				4.65
2	F	1.42135	-1.9769				2.96
3	A	1.27128	-3.1929	-3.0128	-0.1575	2.5974	473.24
3	B	1.51480	-6.0355	-3.3963	-0.0700	2.8405	104.95
3	C	1.89977	-6.5077	-3.4058			17.32
51		0.71386	-0.6957	-2.7364	-0.0706	2.7271	339.32
65		0.88781	-2.8813	-2.9006	-0.2736	2.4629	53.29
93		0.92998	-2.7355	-2.1504	0.3764	3.0574	132.85

M1=46.2937, M2=484.3626, N=55303, Critical Z=147.47

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

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

2004 pre-equated M1= 38.1156, M2= 519.2253, N=526, Critical Z=1.40
2005 pre-equated M1= 36.9687, M2= 524.4168, N=490, Critical Z=1.31

Table 100. Item Parameter and Fit Summary, Constructed-Response Items, Grade 4 Spanish Writing

Item	Source Year	Part	f	g1	g2	g3	g4	Fit-Z
1	2005		0.44	-3.42				-1.7
2	2002	A	1.40	-2.79				-0.9
2	2002	B	1.11	-0.58				-0.2
2	2002	C	0.85	-1.11				-0.1
2	2002	D	0.54	-0.75				-0.1
2	2002	E	1.21	-0.81				0.2
2	2002	F	1.25	0.74				-0.5
3	2005	A	0.66	-0.06	-1.80	-0.33	2.52	1.6
3	2005	B	1.09	-3.73	-2.60	-0.00	3.15	-1.2
3	2005	C	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 M1= 39.9142, M2= 522.7280, N=1,001, Critical Z=2.67
2005 pre-equated M1= 36.9687, M2= 524.4168, N=490, Critical Z=1.31
2007 equated M1= 33.0014; M2= 508.4550, N=264, Critical Z=0.70

Table 101. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 4 English Mathematics

Item	a	b	c	Fit-Z
1	0.52286	-2.7452	0.2000	2.91
2	1.12059	-0.6597	0.2880	2.19
3	0.93305	-0.2756	0.1953	3.05
4	0.71887	-2.3798	0.1368	9.56
5	0.59564	-2.5384	0.2000	3.27
7	0.54484	-0.4985	0.2095	2.05
8	0.97697	-0.1419	0.2594	10.80
10	1.23854	0.1360	0.1123	9.23
11	0.64443	-2.7626	0.2000	0.16
12	0.23627	-1.5599	0.2000	0.32
15	1.02869	0.1706	0.2469	10.08
16	0.67584	-0.4923	0.0702	2.22
17	0.64644	-3.4808	0.2000	13.53
18	0.58589	-2.7575	0.2000	100.41
19	0.64972	-3.6042	0.2000	3.48
20	0.90361	-0.7835	0.1193	9.35
21	1.14764	-1.1393	0.0329	21.17
22	0.89606	-1.6559	0.2000	0.55
24	0.79017	-0.9062	0.0347	22.63
25	0.76656	0.4884	0.1651	3.28
26	0.70028	0.2207	0.2059	6.33
28	0.44407	-2.3329	0.2000	6.27
29	0.96434	-2.8749	0.2000	3.08
31	0.68123	-3.3045	0.2000	9.35
32	0.74312	-2.4826	0.1277	0.33
33	0.62449	-2.4639	0.2000	1.07
34	0.65325	-1.4318	0.1270	0.49
35	0.91545	0.0214	0.2450	2.11
36	0.63368	-0.0600	0.0798	1.72
37	0.52840	-0.2678	0.2955	6.78
40	1.26218	-0.3534	0.4986	7.91
41	1.01184	-1.8916	0.1314	1.53
42	1.02525	-2.5010	0.2000	4.12
43	0.80037	-2.3347	0.1117	8.16
44	0.73571	-0.8104	0.2000	7.41
45	1.09044	-1.1761	0.2107	4.44
47	1.07700	-0.2399	0.1370	10.80
48	1.18433	-1.5404	0.2930	7.53
49	0.41437	-4.4954	0.2000	3.75
51	0.50118	-2.3361	0.2000	3.60
52	0.84297	0.3599	0.1834	7.86
53	0.47435	-3.8416	0.2000	7.40
54	1.48643	-0.8409	0.2745	11.69
55	0.87541	-0.0731	0.1233	4.07
57	0.95046	0.1142	0.2453	11.34
58	0.82574	0.3803	0.1313	7.94
60	1.01322	-0.6163	0.2452	8.13

continued

Table 101. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 4 English Mathematics (Concluded)

Item	a	b	c	Fit-Z
61	0.72312	-2.7750	0.2000	2.05
62	1.13720	-1.6631	0.0650	16.45
64	1.37911	0.5261	0.1865	39.34
65	0.62691	-1.8464	0.2000	7.82
66	0.91344	-2.4206	0.1083	13.84
67	1.04044	-0.7486	0.1779	1.65
68	1.10386	-0.6167	0.2627	0.56

M1=67.0323, M2=500.7395, N=51273, Critical Z=136.73

Table 102. Item Parameter and Fit Summary, Constructed-Response Items, Grade 4 English Mathematics

Item	Part	f	g1	g2	g3	g4	Fit-Z
6		1.19542	-2.9090	-0.9784			44.31
9		0.66809	-1.8763	-0.8663	-0.2105		11.35
13		0.71778	0.2702	-0.1286			194.77
14		0.73248	-3.3789	-1.6169	-1.5315		19.42
23		0.54584	-1.2056	-1.4091	-0.8880	1.6578	13.30
27		0.65356	-1.7794	-0.7204			87.10
30		0.58974	-1.4527	-0.4489	-1.8812		19.70
38		1.08365	-0.2783	-1.0817	1.1142		23.99
39		1.28654	-0.1053	-0.4857			14.40
46		0.86999	-2.4302	-1.5898	-0.5140	0.3905	34.46
50		0.69677	-1.9260	1.3329			21.16
56		0.76007	-1.2338	-0.6919	-0.1704		9.38
59		0.96772	-0.9742	-1.6986			1.62
63		0.69604	-0.7371	-0.1411	-0.0678		34.44
69		0.58062	-0.2926	-1.1338	0.6365	-1.3064	58.54

M1=67.0323, M2=500.7395, N=51273, Critical Z=136.73

Table 103. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 5 English Reading

Item	a	b	c	Fit-Z
4	0.38996	-0.4721	0.2000	24.14
5	0.68973	-1.7167	0.1406	19.93
6	0.30826	-1.7368	0.2000	5.82
7	0.46555	-1.1408	0.1082	3.71
9	0.76515	-0.1651	0.0988	22.46
10	0.62525	-1.1292	0.1955	-0.48
11	0.70077	-1.4927	0.1686	31.99
12	0.86393	0.3739	0.2433	3.30
14	0.61161	-0.2659	0.2000	4.53
16	1.24241	-0.7540	0.2414	5.19
18	1.18445	-0.5054	0.1867	7.19
19	1.14339	2.4697	0.3248	32.55
20	1.14561	0.7270	0.2319	15.32
21	0.99262	-0.8039	0.2146	19.39
22	1.30705	0.0442	0.3026	7.72
23	0.70228	-0.7925	0.0658	77.35
26	0.62585	-0.8379	0.2000	18.89
28	1.37558	0.3308	0.2638	17.64
29	0.57632	-0.0918	0.2321	1.62
30	0.76832	-1.4665	0.1819	0.03
31	0.81428	0.3522	0.3157	8.97
32	0.63061	-1.0552	0.1621	13.63
33	0.86599	-0.8476	0.1763	3.75
34	0.71342	-2.2552	0.2000	7.55
35	0.69916	0.5569	0.1512	3.48
37	0.45854	-0.9794	0.2000	11.15
39	1.13160	-1.1341	0.1361	2.61
40	0.74563	-0.7960	0.2421	4.80
41	0.62533	-0.6410	0.3330	18.94
42	1.10028	-0.9660	0.1933	18.03
43	1.05629	-0.1960	0.1005	7.90
44	0.94421	1.0735	0.2129	7.82
45	0.50783	0.7598	0.2464	35.66
46	1.35979	0.8189	0.3726	133.36
47	0.71092	-0.0455	0.1983	1.49
48	0.63978	0.4078	0.1963	1.06
92	1.07323	-0.9214	0.2015	5.75
93	0.93912	-0.3509	0.3475	10.70
94	0.81811	-0.1623	0.2407	7.62
95	1.02774	-1.0788	0.1703	2.19
96	0.73735	0.4271	0.1791	8.12
97	0.65366	-1.4762	0.1633	2.79
100	0.56894	-0.5928	0.1870	23.91
101	0.87455	0.6338	0.3723	3.15
102	0.81470	-0.6369	0.1305	2.45
103	0.74172	-1.6958	0.1117	16.53
106	0.71050	-1.1048	0.1870	132.71

continued

Table 103. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 5 English Reading (Concluded)

Item	a	b	c	Fit-Z
107	0.67673	-1.7455	0.1870	37.89
108	0.74863	-2.4521	0.1131	31.49
109	0.88712	-0.1066	0.2269	4.07
110	1.14185	-1.5622	0.2624	1.92
111	0.78993	-2.2971	0.2000	9.76
112	0.76567	-1.1646	0.1112	2.21
113	1.03993	0.2266	0.1961	13.98
114	0.74284	-1.8976	0.0685	9.77
115	0.69294	0.6037	0.1934	2.11

M1=58.5720, M2=620.6066, N=56269, Critical Z=150.05

Table 104. Item Parameter and Fit Summary, Constructed-Response Items, Grade 5 English Reading

Item	Part	f	g1	g2	g3	g4	Fit-Z
8		0.49941	-0.8517	-2.0482	-0.7737		37.38
13		0.64019	-0.3653	1.3981			13.84
15		0.85399	-0.9697	-0.8774	-0.6553		28.23
17		0.75266	-0.3023	-0.6163	-1.0221		11.36
24		0.88816	-0.8117	-0.1049			40.91
25		0.99926	0.6083	-1.1128			89.15
27		0.44576	0.7114	-1.1613	-0.0532		67.72
36		0.71856	-1.3910	0.1277	1.9945		55.91
38		1.06288	-0.4493	0.4509	1.3466		66.75
49		0.45734	-1.1113	0.4557			12.90
98		0.60334	0.9045	-0.2648			61.60
99		1.02986	-1.4640	0.2879	1.7484		83.42
104		1.34811	-2.6668	-2.0483			16.25
105		1.11341	-2.5597	0.2832			53.19

M1=58.5720, M2=620.6066, N=56269, Critical Z=150.05

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

Item	a	b	c	Fit-Z
50	0.68449	-2.5167	0.2000	3.77
51	0.97668	-1.2878	0.3148	4.97
52	1.04695	-1.2896	0.2778	2.68
53	0.56719	2.0741	0.1421	15.92
54	0.66569	-0.4283	0.3221	0.09
55	0.55677	-2.1244	0.2000	26.05
56	0.71585	-1.7513	0.0984	7.49
57	0.85963	-0.5275	0.1802	3.48
58	0.92742	-1.5062	0.1988	4.98
59	0.30202	0.4877	0.2000	1.07
60	0.91923	-2.2099	0.1327	4.00
61	0.41844	-0.4706	0.2000	15.82
62	0.94661	-2.0551	0.1359	2.51
63	0.89327	-0.1537	0.1895	5.83
64	0.72879	-0.6162	0.1321	1.28
65	0.80419	-0.3774	0.2275	1.67
66	0.70172	-0.9179	0.1244	4.24
67	0.43578	-0.8577	0.2000	88.41
68	0.69372	-1.6949	0.1027	3.78
70	0.43142	-0.3520	0.1134	-0.28
71	0.70073	0.1464	0.1136	7.24
72	0.87261	-0.3817	0.2144	7.05
73	0.49709	0.5863	0.1651	1.71
74	0.76148	-0.9624	0.1436	3.77
75	0.59329	-0.0876	0.1248	0.39
76	1.56703	-0.8780	0.2710	14.10
77	1.10817	-0.8095	0.2016	13.87
78	0.67546	-0.8085	0.0947	16.48
79	0.83434	-1.3531	0.1516	14.15
80	0.94067	-1.0049	0.2000	57.85
81	1.10792	-0.8367	0.2095	4.69
82	0.98658	-1.0620	0.2328	3.07
83	0.98074	-0.6306	0.2283	8.62
84	0.41383	1.3469	0.2000	102.13
85	0.80092	-1.1446	0.1207	10.52
86	0.60052	-1.0126	0.1363	0.53
87	0.63954	-0.0911	0.1562	11.85
88	0.66759	-0.6596	0.2000	16.71
89	0.48889	-0.5025	0.0879	17.85
90	0.69063	-0.2905	0.1399	14.77

M1=49.7314, M2=508.4537, N=55833, Critical Z=148.89

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

Item	Part	f	g1	g2	g3	g4	Fit-Z
1		0.80730	-5.0343				7.27
2	A	0.74359	0.4980				18.32
2	B	1.37480	0.3510				9.25
2	C	0.82041	-0.3814				10.64
2	D	0.78049	-0.4876				14.34
2	E	1.30289	-0.7603				10.13
2	F	1.01804	0.5315				15.44
3	A	1.06022	-1.7942	-2.7547	-0.4610	1.7006	1135.57
3	B	1.37222	-5.9090	-3.1033	-0.4736	1.9594	60.07
3	C	2.05306	-7.4399	-3.7332			19.52
69		0.87025	-1.6453	-3.9098	-0.7917	2.5817	185.57
91		0.88678	-1.4511	-2.8048	-0.1027	2.1917	429.20
116		0.94463	-2.4045	-3.2225	-0.1107	1.9346	83.24

M1=49.7314, M2=508.4537, N=55833, Critical Z=148.89

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

Item	a	b	c	Fit-Z
1	0.45424	-2.4891	0.2000	24.29
2	1.31391	0.7872	0.2414	10.95
4	0.77544	-3.0474	0.2000	3.16
5	0.79005	-1.5724	0.2000	2.60
6	1.05589	-1.5564	0.2546	5.71
7	0.51019	-2.1947	0.2000	12.51
8	0.78429	-0.2111	0.1073	11.24
10	1.04576	-1.6993	0.2000	5.22
11	0.81262	-1.5310	0.1301	2.24
13	0.73984	-2.1724	0.1170	1.98
14	0.93477	0.1978	0.2872	18.44
16	0.73991	0.6159	0.0721	10.61
17	0.77613	-1.2328	0.1874	0.14
18	0.67971	0.0015	0.4069	2.38
19	0.96407	-0.5010	0.2118	1.45
20	0.89769	2.0644	0.4174	3.87
21	0.48059	-2.7678	0.2000	3.06
22	0.78307	-0.8420	0.2140	15.13
24	0.58864	-2.7851	0.2000	4.57
25	0.65442	-2.9692	0.2000	24.13
26	0.86789	-0.9632	0.1585	-0.50
27	1.00668	-0.7741	0.4583	4.37
28	1.13972	-1.0745	0.1098	5.59
30	1.11223	-0.0260	0.1983	10.92
31	0.85069	-2.0194	0.1782	3.02
32	0.33705	-1.9509	0.2000	2.46
34	0.93522	-1.3536	0.0766	5.63
35	1.09270	-0.8687	0.2309	5.80
37	0.91995	-0.9424	0.3047	4.36
38	0.77866	-1.6738	0.0606	11.42
39	0.67842	-0.1924	0.1242	1.81
40	1.00677	-0.8001	0.2200	1.10
41	0.48643	-1.1554	0.0708	7.06
42	0.97314	-1.6303	0.1090	0.76
43	0.48279	-0.4914	0.1782	10.58
45	1.00992	-0.4334	0.0870	51.63
47	0.48583	-2.4846	0.2000	21.19
48	0.76925	-2.0993	0.2000	3.51
49	0.86478	-3.2075	0.2000	21.62
50	0.91839	-0.8955	0.0836	7.62
52	0.63185	-0.4472	0.2359	0.78
53	0.70363	-0.5831	0.2579	1.61
55	0.73894	0.5920	0.0867	2.62
56	0.49324	-1.7947	0.1782	3.09
58	0.83981	-0.4427	0.1950	13.21
59	0.53641	0.5496	0.2680	2.72
61	0.81764	-0.1221	0.2997	5.97

continued

Table 107. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 5 English Mathematics (Concluded)

Item	a	b	c	Fit-Z
62	0.50490	-1.8378	0.1782	5.10
63	0.75135	-1.6069	0.2000	3.70
64	0.78616	-1.4175	0.1782	95.71
65	0.77749	-0.4802	0.3622	1.98
66	1.19943	-0.3794	0.1398	4.97
67	0.86194	-0.7295	0.1745	3.07
68	0.77623	0.0881	0.1650	4.16

M1=65.5650, M2=536.8737, N=46530, Critical Z=124.08

Table 108. Item Parameter and Fit Summary, Constructed-Response Items, Grade 5 English Mathematics

Item	Part	f	g1	g2	g3	g4	Fit-Z
3		0.68639	0.0157	-0.7942			77.25
9		1.25060	-4.1982	-0.6449	0.0707		24.78
12		0.73631	-1.6095	-2.3221			15.86
15		0.97996	-1.8202	-0.9972	1.0242		24.26
23		0.80131	-0.5945	-0.8266	0.1999	-0.0036	75.22
29		1.10892	0.5447	-0.8976			18.22
33		0.57562	-1.0617	0.0477	-0.2923		32.66
36		1.22851	-0.8924	-1.4818			11.57
44		0.55306	-0.8345	-0.7298	-1.0100		29.72
46		0.72759	-3.7842	0.6304	-0.8624	-0.1022	21.94
51		0.82647	-1.2535	0.3623			243.88
54		0.73258	-1.8723	-1.3706	-0.8731		10.94
57		0.89572	-2.0465	-0.7042	0.5918		14.65
60		0.93100	-0.8630	-0.0135			219.38
69		0.85905	-2.0328	-1.5413	-1.1891	-0.4608	17.34

M1=65.5650, M2=536.8737, N=46530, Critical Z=124.08

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

Item	a	b	c	Fit-Z
1	0.77826	-3.3866	0.2000	2.76
2	0.58272	-0.7679	0.2259	3.77
3	0.22251	-3.6201	0.2000	42.74
5	0.38779	0.1439	0.3091	5.52
6	0.61509	-0.1659	0.3749	12.45
7	0.73535	-0.3736	0.1680	2.15
8	0.46205	-0.8392	0.2707	10.53
9	1.03868	-1.1145	0.2379	2.19
10	0.46458	-0.8246	0.1532	16.37
11	0.52694	-0.3759	0.1454	2.65
12	0.58574	-1.0283	0.1396	5.07
13	0.48618	-0.7656	0.3571	11.30
14	1.03656	-0.6728	0.1668	3.59
15	0.89121	-2.9101	0.1971	7.40
16	0.45339	-3.8283	0.2000	6.90
17	0.84690	0.7937	0.3126	12.08
18	0.64096	-0.9749	0.1991	10.86
19	0.84910	-1.1317	0.1713	4.37
20	0.59876	-0.5862	0.2015	3.81
26	0.57265	-2.2438	0.2000	26.54
27	0.54079	-4.7482	0.2000	5.25
29	0.48597	-1.5452	0.2000	27.83
30	0.79265	-2.8765	0.2000	2.85
31	0.63839	-2.5976	0.2000	23.66
32	0.66801	-3.6727	0.2000	21.70
34	0.45679	-0.5119	0.1790	7.53
35	0.79060	-2.8444	0.1971	6.99
36	1.04757	-1.7703	0.2000	3.95
38	0.94019	-1.1420	0.4965	15.02
39	0.86671	-1.3154	0.2374	1.10
40	0.94014	-0.1315	0.2579	4.76
42	0.36377	0.0927	0.1388	3.32
43	0.81653	-0.4789	0.1743	4.73
44	1.35386	-1.0608	0.2234	7.41
47	0.80145	-3.1008	0.1971	30.91
48	0.56076	-1.1011	0.2526	3.67
49	1.39016	-0.8068	0.2533	8.68
51	0.30459	-0.8848	0.2000	8.61
52	1.09956	-1.1702	0.2816	2.44
54	0.62773	-1.4679	0.2000	12.23
56	0.54976	-0.0571	0.1806	6.35
57	0.81986	-0.9886	0.1831	1.25
59	0.53822	-0.5725	0.2000	12.13
60	0.85468	-1.8514	0.1013	4.17
61	0.55095	-2.7218	0.1971	5.41
62	0.57987	0.0005	0.2172	13.22
63	1.09980	1.0655	0.2753	11.41
65	1.56196	-0.7108	0.1550	10.94

continued

Table 109. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 5 English Science (Concluded)

Item	a	b	c	Fit-Z
66	0.28891	-0.1164	0.2000	42.67
67	1.08559	-1.1080	0.2576	1.80
70	1.21615	-0.4248	0.2796	5.00
71	0.72632	-2.9496	0.2000	5.69
72	0.44958	-0.2373	0.0576	6.51
73	0.68863	-0.8830	0.2000	15.38
74	1.18643	-0.0464	0.1780	16.11

M1=49.6666, M2=560.5214, N=52296, Critical Z=139.46

Table 110 Item Parameter and Fit Summary, Constructed-Response Items, Grade 5 English Science

Item	Part	f	g1	g2	g3	g4	Fit-Z
4		0.78117	-3.2497	-0.3592			21.06
21		1.24056	0.6685				39.51
22		1.08148	-1.4906				6.65
23		0.56954	-0.8347	0.6819			90.49
24		1.00989	-0.2463				-0.59
25		0.52031	0.2993	-1.4073			19.48
28		1.01773	0.4344	-0.2280			21.32
33		0.93221	0.3106				9.62
37		0.81808	1.0492				2.14
41		0.77974	-0.1634	2.0414			173.77
45		1.04782	-1.1702	-1.0358			8.24
46		1.03305	-3.2724	-0.6767			17.83
53		0.47274	0.3355	-2.7300			296.14
55		0.82699	-0.3198	0.5885			21.84
58		1.34175	-2.5062	1.0081			40.81
64		0.52879	-2.4825	-1.5979			55.63
68		0.77882	-0.7974	1.0479			125.36
75		0.87559	0.6256	0.2363			170.54

M1=49.6666, M2=560.5214, N=52296, Critical Z=139.46

Table 111. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 6 English Reading

Item	a	b	c	Fit-Z
4	0.41516	-1.8541	0.2000	32.01
5	0.53496	-1.5839	0.2000	36.56
6	0.94297	-1.3476	0.2219	14.52
7	1.08741	-1.5129	0.2135	3.52
8	0.85518	-0.9294	0.2359	7.92
10	0.78419	0.6007	0.1470	5.58
11	1.13144	0.9846	0.2680	15.88
12	0.85916	-1.6653	0.1986	13.77
13	0.91089	-0.6113	0.2164	3.05
14	0.61907	2.8412	0.2847	7.84
15	0.58701	1.4346	0.1166	5.12
16	1.20560	-0.2698	0.1315	7.49
17	0.70832	0.4948	0.2135	4.16
18	0.35245	-2.3086	0.2000	26.51
21	0.31905	0.0035	0.2000	74.51
22	1.33890	0.1971	0.1822	15.65
23	0.78605	0.9840	0.2348	20.09
24	0.83679	-0.8391	0.2040	12.12
25	0.81793	1.0564	0.1286	29.60
26	0.89734	1.8469	0.4091	24.55
28	0.59714	-1.0361	0.2000	10.95
30	1.37794	0.0456	0.2861	11.48
31	0.63122	-0.1975	0.2478	1.47
32	0.76931	-1.6307	0.1080	8.56
33	0.86064	-1.3453	0.0546	2.81
34	0.68646	-0.3104	0.2312	2.73
35	1.04893	-0.5813	0.2681	2.99
36	0.84792	-0.0410	0.2346	8.41
41	1.03325	-1.1761	0.0972	4.03
42	0.72979	-0.2614	0.3704	18.57
44	1.41691	-0.8158	0.1642	9.34
45	1.04485	-0.6707	0.2762	2.46
46	0.88950	-0.1130	0.3930	19.78
47	1.42238	-0.6778	0.2363	81.98
48	1.23308	-0.4378	0.2752	3.78
49	1.07903	-0.0382	0.2096	6.49
50	1.24215	1.7674	0.2071	68.97
51	1.44888	-0.3607	0.2007	12.02
52	1.21370	-0.2127	0.1897	5.96
53	1.13954	0.1998	0.1879	10.60
54	1.71357	1.6450	0.1346	55.68
56	0.87681	0.3846	0.1642	6.99
100	0.79300	1.2265	0.2174	22.79
102	0.63204	-0.2491	0.2020	83.93
103	0.98977	-0.7640	0.2133	4.18
104	0.81716	-1.6682	0.1671	10.34
105	0.31693	-0.4238	0.2000	4.33

continued

Table 111. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 6 English Reading (Concluded)

Item	a	b	c	Fit-Z
106	0.78586	-1.2278	0.0926	14.38
107	0.80265	1.0536	0.3097	3.30
108	0.67353	-0.7413	0.1239	2.35
110	0.42941	-0.9720	0.2000	34.00
111	1.09724	-0.7649	0.1889	4.82
112	0.55137	0.6815	0.2212	8.60
113	0.70910	-1.4110	0.2000	171.68
114	1.22264	-1.3834	0.2476	9.83
115	0.85348	-2.2964	0.1320	22.00

M1=58.3166, M2=630.2586, N=56241, Critical Z=149.98

Table 112. Item Parameter and Fit Summary, Constructed-Response Items, Grade 6 English Reading

Item	Part	f	g1	g2	g3	g4	Fit-Z
9		0.86351	0.3592	0.2523			19.44
19		0.43294	1.0162	-1.1525	-0.7789		14.61
20		0.55202	0.6015	0.7036			69.24
27		0.92730	0.3927	-1.4041			70.90
29		0.40283	0.7686	-1.3179	-0.1973		40.62
37		0.63388	-0.0039	0.0428	0.5723		14.02
38		0.90282	-2.2078	2.4195			127.73
39		0.57984	-0.5701	0.0687	0.1290		57.21
40		0.96484	-1.3751	0.0424			249.58
43		1.09976	-0.0833	0.5449	1.5399		49.14
55		1.13389	1.0825	0.9488	2.1103		97.63
99		0.75823	1.0077	0.8729			24.78
101		0.76208	0.5105	0.1032			9.58
109		0.88416	-1.1156	-0.2808	0.9796		45.04

M1=58.3166, M2=630.2586, N=56241, Critical Z=149.98

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

Item	a	b	c	Fit-Z
57	0.75614	-1.8839	0.2000	6.89
58	0.99149	-0.7203	0.2562	7.36
59	0.79412	-1.3496	0.2000	9.81
60	1.12522	-1.4833	0.3127	6.41
61	1.17856	-0.2900	0.2968	7.12
62	1.05916	-0.8187	0.2806	5.09
63	0.68205	-0.8016	0.1308	2.87
64	1.47642	-0.7449	0.1913	14.59
65	0.31509	0.4795	0.2000	47.11
66	0.82013	0.3440	0.2104	5.43
67	0.57113	1.5115	0.3486	3.60
68	1.00404	-1.3746	0.3489	16.97
69	0.76679	0.2715	0.2496	9.72
70	1.24537	-0.2330	0.2468	28.05
71	0.68379	0.8385	0.1290	3.80
72	1.18353	1.1895	0.2280	54.34
73	0.77571	-1.6753	0.2000	6.00
74	1.05482	0.4680	0.2275	8.61
75	1.31195	0.2895	0.2282	16.32
76	0.54375	0.1790	0.2000	12.94
78	0.80145	-1.8889	0.1197	44.08
79	0.49034	-1.0724	0.2304	5.28
80	1.05709	-0.8182	0.1791	5.28
81	0.72491	1.4421	0.1645	21.62
82	0.58542	0.7459	0.2146	1.40
83	0.70299	-0.7330	0.0988	7.59
84	0.96391	-1.2167	0.2244	2.72
85	0.87646	-1.0601	0.1142	9.43
86	0.74797	-0.5403	0.1466	6.17
87	0.36820	1.2231	0.2000	79.10
88	1.40542	-0.9269	0.2072	34.88
89	0.62637	-0.6185	0.0795	17.82
90	1.26610	-0.9827	0.2316	14.40
91	1.11707	0.0355	0.2003	10.46
92	0.65118	-0.4242	0.1340	2.51
93	0.66513	-0.7437	0.0937	6.64
94	1.18124	2.0626	0.2321	36.04
95	0.74026	-1.0104	0.1428	5.37
96	0.44526	2.0556	0.1767	8.02
97	0.78308	0.0775	0.1956	5.03

M1=56.7243, M2=527.7678, N=55788, Critical Z=148.77

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

Item	Part	f	g1	g2	g3	g4	Fit-Z
1		0.89121	-5.3788				-0.55
2	A	1.24973	-1.5820				3.85
2	B	1.52816	-1.9746				2.65
2	C	0.62695	-0.0148				2.07
2	D	1.36267	-0.5057				1.98
2	E	1.04497	-1.2092				11.94
2	F	1.65079	-3.0490				2.71
3	A	1.07946	-2.7294	-3.4780	-0.3144	3.0376	167.83
3	B	1.19781	-5.1156	-3.5943	-0.2713	3.2455	18.73
3	C	1.62197	-6.4847	-3.6331			12.29
77		0.69563	-1.2475	-3.4134	-0.8012	1.4014	53.62
98		0.74562	-0.6606	-3.5073	-0.2265	2.4461	239.89
116		0.92831	-2.5803	-2.6454	-0.3956	1.8442	62.17

M1=56.7243, M2=527.7678, N=55788, Critical Z=148.77

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

Item	a	b	c	Fit-Z
1	1.29302	0.4169	0.2134	2.62
2	0.72482	-0.7208	0.2092	2.42
3	0.55229	-1.8080	0.0910	1.77
4	0.61345	-2.3753	0.1480	5.07
6	0.57989	-1.4405	0.0604	7.70
7	1.49167	-0.4182	0.3496	5.65
9	0.39387	-3.0880	0.2000	2.01
10	1.01180	-1.1427	0.2738	2.43
11	0.64429	0.2514	0.1394	10.07
13	0.69425	0.0331	0.0671	2.90
14	0.69197	-0.8553	0.3228	8.03
15	1.12726	-0.7985	0.4988	11.47
17	0.72262	-1.7805	0.0622	5.98
18	1.46989	-0.0487	0.0911	7.08
19	1.03031	0.1305	0.1775	0.86
21	0.51396	-0.5193	0.2000	85.04
22	0.52932	-2.0463	0.1480	3.23
24	1.30592	-0.4218	0.0881	11.49
25	0.82814	1.5643	0.2612	1.05
26	0.81032	-1.0304	0.2073	0.78
27	0.83574	-1.2851	0.1353	4.57
28	0.97147	0.0544	0.1203	8.62
29	1.37256	-0.5893	0.1255	8.18
31	0.86139	0.6474	0.1774	4.92
32	0.80962	-0.1129	0.1376	5.08
34	1.09205	0.8625	0.1539	9.02
35	0.40423	-1.0385	0.1480	3.27
36	0.64393	-2.7059	0.2000	2.31
38	1.05813	0.3510	0.1439	40.24
39	0.51548	-1.0591	0.0706	4.35
41	0.85443	0.2386	0.0591	3.46
42	0.98693	0.3132	0.0894	4.22
43	0.99358	0.4200	0.2070	2.79
45	0.56437	-2.0178	0.0820	4.45
47	0.85893	-0.1558	0.0666	7.92
49	0.56197	-0.8584	0.2000	24.58
50	0.93112	-0.1428	0.0689	3.42
52	0.53054	-2.5196	0.2000	5.66
53	0.75358	-0.7550	0.2329	1.10
54	1.76471	0.9748	0.3320	58.43
55	0.91532	0.7331	0.1639	32.51
56	0.60812	-1.7615	0.0701	3.79
57	0.52801	-1.0961	0.2000	22.70
58	1.30318	0.4294	0.1269	15.60
59	0.64169	-2.1145	0.1480	11.43

M1=65.2691, M2=548.0388, N=53057, Critical Z=141.49

Table 116. Item Parameter and Fit Summary, Constructed-Response Items, Grade 6 English Mathematics

Item	Part	f	g1	g2	g3	g4	Fit-Z
5		1.26042	-4.7102	-1.0517	-0.2762		7.06
8		0.72316	-0.2848	-1.3114			154.48
12		0.89405	-0.5782	-0.1945			143.62
16		1.06331	-0.4410	-0.2417	1.4962		180.22
20		0.90157	-2.6226	-2.1044	-1.2148	-0.3393	62.15
23		0.83533	-2.6316	-1.1363			27.04
30		0.98365	-1.2106	0.2447	0.7475		71.73
33		0.53168	-0.9934	-0.7864	-1.2490		52.74
37		0.87314	-0.3844	-1.3773			83.24
40		1.19642	-1.1297	0.4850	0.6506	1.3449	151.05
44		0.91271	-0.6174	-0.0840			26.53
46		0.76672	-1.1071	-0.8059	2.2862		134.80
48		0.84221	0.1795	-0.3445			1465.07
51		0.79273	-0.7538	-0.5079	0.5743		26.53
60		0.78891	-2.3002	-0.4160	-0.6513	0.3071	38.33

M1=65.2691, M2=548.0388, N=53057, Critical Z=141.49

Table 117. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 7 English Reading

Item	a	b	c	Fit-Z
6	0.78347	0.7324	0.2724	7.88
7	1.14930	0.4314	0.1839	12.23
8	1.35579	-0.1998	0.1947	13.16
9	0.83544	-1.1579	0.3165	12.43
10	0.88373	-1.3735	0.2292	3.98
11	0.79863	0.9879	0.1053	26.76
12	0.78641	0.3641	0.1557	5.67
13	0.68008	-0.2521	0.0775	54.98
15	1.09442	-1.0939	0.2149	3.55
16	0.93579	-1.0984	0.1545	3.60
17	0.80091	-0.9589	0.1355	1.66
18	1.25554	1.2155	0.2258	10.03
20	0.48366	-0.6763	0.0626	1.42
21	1.30769	1.2770	0.3581	10.74
24	0.68666	-1.6303	0.2000	2.55
25	0.64968	-1.0838	0.0469	2.42
26	1.18636	0.5765	0.2213	25.64
27	0.93860	-2.0900	0.1872	57.01
28	1.02098	-2.0064	0.2000	63.13
29	0.32983	0.5158	0.0906	2.69
30	0.84733	-1.2733	0.2080	6.48
31	0.60940	-0.9312	0.0477	-0.29
32	0.76252	-0.8015	0.1544	23.13
34	0.65718	-0.3948	0.0708	1.72
35	0.82102	-1.8250	0.0639	40.61
36	0.59126	-1.4912	0.2000	8.74
37	0.56152	-0.1510	0.2045	2.39
38	0.59756	-0.9414	0.0626	1.86
40	1.23170	-0.7816	0.2341	1.63
44	1.24990	0.5358	0.3762	8.03
45	1.31704	1.1840	0.2884	50.36
46	1.55800	0.8451	0.1577	38.58
47	1.23344	-0.7372	0.2121	6.47
48	1.26277	0.8262	0.2605	11.43
49	0.53233	1.0019	0.2589	3.55
95	1.10650	-0.8723	0.1292	5.22
96	0.86726	-1.4518	0.2000	9.29
97	1.25390	-0.8785	0.2241	1.14
98	0.74980	-0.0657	0.1246	5.92
99	1.58966	-1.6361	0.1725	7.14
100	0.21451	1.7539	0.2000	57.22
101	0.65782	-1.0425	0.1803	3.00
102	0.73518	-1.9160	0.1872	34.41
103	1.09141	-0.3359	0.2401	9.96
104	0.32513	0.3720	0.2000	95.95
105	0.75167	0.1378	0.2636	3.12

continued

Table 117. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 7 English Reading (Concluded)

Item	a	b	c	Fit-Z
106	0.76067	-0.4362	0.2543	1.13
107	0.66451	1.5376	0.3003	3.65
108	0.52868	-0.1868	0.2000	182.17
109	1.21049	-0.3476	0.1152	7.23
110	0.95540	-0.0686	0.3198	12.70
111	1.24195	-0.5188	0.2442	7.17
112	1.13703	0.1360	0.2874	5.29
113	0.34807	-1.3466	0.2000	57.02
114	0.61982	-0.0461	0.3126	-0.24
116	0.52114	-0.4303	0.2310	1.08

M1=58.0392, M2=642.5302, N=56070, Critical Z=149.52

Table 118. Item Parameter and Fit Summary, Constructed-Response Items, Grade 7 English Reading

Item	Part	f	g1	g2	g3	g4	Fit-Z
4		0.43472	0.8417	-1.1797	-0.6513		34.60
5		0.47391	0.3264	0.5563			81.15
14		0.62553	-0.5138	0.7943	1.8490		24.12
19		0.99134	-0.1077	0.7164	2.0080		101.17
23		0.80604	-1.0801	0.1692			39.93
33		0.39706	-1.2408	3.2335	-3.0173		187.25
39		0.89894	-0.6745	-1.0341	-0.4063		17.85
41		0.80803	0.4948	0.8079			15.76
42		0.38930	0.6670	0.1613	-0.0442		153.02
43		1.05230	-0.1892	-0.9851			77.89
92		0.95518	-0.6856	-0.5136			15.19
93		1.21715	-0.5363	0.7967			39.75
94		0.74862	-0.0054	-0.2608	0.1129		113.38
115		0.60666	-0.1441	1.3380			62.32

M1=58.0392, M2=642.5302, N=56070, Critical Z=149.52

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

Item	a	b	c	Fit-Z
50	0.78111	-1.8474	0.2000	5.12
51	0.72825	-1.1448	0.1604	-0.04
52	0.94431	-1.1866	0.3429	2.03
53	0.25213	2.3622	0.2000	8.91
54	0.91656	-0.6116	0.2108	5.11
55	0.83081	-1.4563	0.2000	4.84
56	0.57453	-0.5283	0.2000	5.19
57	1.10484	-1.2371	0.2175	5.22
58	0.84511	0.5022	0.2107	10.04
60	0.34093	0.8026	0.2000	12.29
61	0.73935	1.1525	0.1904	10.41
62	1.38723	-1.2661	0.2209	47.50
63	0.80314	-1.4507	0.2000	2.37
64	1.04522	-1.4042	0.1514	7.95
65	1.12257	-0.5544	0.1958	6.63
66	0.66926	-1.0793	0.0955	16.83
67	1.15892	-1.2772	0.1569	8.12
68	0.93781	-0.7784	0.1622	9.27
69	0.41210	1.8408	0.4974	35.80
70	0.38182	-0.4497	0.1342	1.99
71	0.91945	-1.6345	0.2031	4.24
72	0.77297	0.0872	0.2327	2.37
73	0.39071	-0.9800	0.2000	10.19
74	1.07645	1.1711	0.1746	45.80
75	0.41233	1.5017	0.1865	33.21
76	1.02758	0.2798	0.2040	8.29
77	0.83318	1.3283	0.1730	73.04
78	0.58747	-0.0678	0.0904	6.14
79	1.19124	-0.9314	0.1886	10.99
80	1.04261	-0.7273	0.2439	5.08
81	1.15292	-1.1243	0.1840	23.97
82	0.86202	-0.7910	0.1233	10.43
83	1.18487	-1.8984	0.1389	10.67
84	1.08011	-1.1398	0.1366	8.77
85	1.40868	-0.9175	0.1813	7.39
86	0.92332	1.4086	0.1719	10.48
87	0.90582	-0.7959	0.2087	10.41
88	0.97761	-0.2741	0.2233	4.26
89	0.88019	-0.3650	0.1829	5.77
90	1.37402	-0.8349	0.1738	16.57

M1=64.7174, M2=558.2417, N=56322, Critical Z=150.19

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

Item	Part	f	g1	g2	g3	g4	Fit-Z
1		1.14467	-5.2416				1.35
2	A	1.70075	-1.8693				5.00
2	B	0.79422	-1.2523				2.99
2	C	1.18393	-1.2343				16.67
2	D	1.10318	-0.3171				0.36
2	E	1.74856	-0.6366				12.63
2	F	0.80801	0.2534				4.64
3	A	1.09395	-1.7276	-3.0878	-0.4649	3.6117	244.33
3	B	1.38707	-5.5665	-3.4258	-0.4070	4.0340	38.44
3	C	1.62797	-6.3227	-2.7586			10.85
22		0.92107	-1.4543	-3.4932	-0.5612	1.8690	104.65
59		0.78819	-2.0870	-3.2871	-0.0079	1.8400	65.60
91		0.83900	-1.4824	-2.1643	0.3823	1.9377	125.86

M1=64.7174, M2=558.2417, N=56322, Critical Z=150.19

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

Item	a	b	c	Fit-Z
1	1.01883	-0.3893	0.1735	2.92
2	0.98725	0.2398	0.3953	18.89
4	0.26410	-0.6749	0.2000	30.26
5	0.50655	-0.3915	0.0639	1.26
6	1.42667	0.3248	0.3091	15.14
7	1.54321	0.5914	0.2235	50.39
9	0.55767	-1.9281	0.2053	8.95
11	1.31023	0.8981	0.2540	27.25
12	0.68614	1.0369	0.2510	6.06
13	0.38835	-3.3259	0.2000	5.37
16	0.93357	-0.5381	0.3326	3.09
17	0.69596	0.4178	0.2914	1.10
18	0.82458	0.3715	0.1464	32.13
19	0.97960	-0.7784	0.4982	3.57
21	0.81800	0.8278	0.0654	3.15
22	0.71308	-0.5628	0.2124	27.52
23	1.28480	0.1918	0.2874	10.31
24	0.69432	-1.5967	0.2322	11.45
26	1.76059	1.3748	0.2287	220.61
27	0.99518	0.8506	0.2029	11.97
28	0.83599	1.5109	0.1545	8.91
30	0.57284	-4.2392	0.2000	38.38
31	1.17075	-0.8924	0.0765	27.80
33	0.76783	0.2264	0.1572	3.32
34	0.93561	-0.8690	0.2036	0.28
36	0.93296	1.7176	0.1759	2.36
37	0.91451	-0.7547	0.2748	0.52
38	0.50069	-0.7704	0.0853	30.56
39	0.59806	0.2893	0.1554	-1.36
41	0.89813	-1.7929	0.0755	6.61
42	0.71454	-0.7918	0.0881	14.78
44	0.82832	-0.1338	0.3192	2.31
45	0.74112	-1.5522	0.2053	17.84
46	1.21556	0.2295	0.3446	32.56
47	0.99597	0.1730	0.1037	1.79
48	1.05991	0.4253	0.2043	1.69
50	1.14229	0.5052	0.2206	2.47
51	1.00028	-0.5943	0.2338	17.27
52	1.22780	-0.7484	0.2695	29.70
54	0.24907	-2.9081	0.2000	4.45
55	1.26799	0.0438	0.2074	4.47
56	1.07932	-0.1972	0.4135	1.29
58	1.51840	0.1235	0.3316	4.36
59	0.37996	-0.9796	0.1190	2.80

M1=59.6450, M2=565.9932, N=54481, Critical Z=145.28

Table 122. Item Parameter and Fit Summary, Constructed-Response Items, Grade 7 English Mathematics

Item	Part	f	g1	g2	g3	g4	Fit-Z
3		0.68248	1.6052	-0.3152			105.66
8		1.27847	-0.8499	-0.3259	0.1257		98.52
10		1.01545	2.6020	0.1332			69.42
15		1.44719	0.7857	2.2690	0.9266		59.43
20		0.94299	-2.3491	0.4032	2.3623	0.4136	39.80
25		1.32626	0.6670	1.3845	1.9104		47.68
29		0.77062	0.2766	1.6018			604.30
32		0.87735	1.9392	-0.7962			12.22
35		0.84640	-1.2696	-0.7235	1.6864		178.20
40		0.86527	0.5793	-1.1404	0.5214	0.7847	38.06
43		0.90103	-0.3960	-0.2086			18.38
49		0.89841	0.4994	-1.0909	-0.0556		204.42
53		0.96142	0.0933	-0.3859			807.37
57		0.59214	-1.5850	-1.5234	-0.7280		24.25
60		0.78870	-0.7889	0.2313	-0.4035	2.6109	69.63

M1=59.6450, M2=565.9932, N=54481, Critical Z=145.28

Table 123. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 8 English Reading

Item	a	b	c	Fit-Z
4	0.71462	-1.2727	0.0944	30.89
5	0.66226	-1.4857	0.2000	22.75
6	0.38373	0.7133	0.2000	11.72
7	1.16293	-1.7717	0.2000	13.45
8	1.41930	0.3991	0.2440	15.89
9	0.88166	-0.1086	0.1302	2.22
10	1.21436	-0.9696	0.1727	2.50
11	0.76711	-1.7069	0.2000	6.95
12	0.63889	-0.9024	0.1364	-0.04
15	0.75352	-1.3670	0.2000	0.26
16	1.12058	-1.6487	0.0682	5.34
17	1.03848	-0.5379	0.2879	2.13
18	0.56623	1.9146	0.2354	3.29
19	0.65684	-0.4998	0.2935	10.06
20	1.25727	0.9377	0.2509	55.07
22	0.44722	-1.2794	0.2000	35.97
23	0.70821	0.7059	0.2387	7.56
25	0.89807	2.0686	0.4416	7.15
26	0.60516	-1.8461	0.1960	24.44
27	0.75960	-1.1474	0.0481	13.24
31	1.25421	-1.2882	0.3196	1.20
32	1.36875	-1.2531	0.1696	2.61
33	0.47954	0.4740	0.1209	2.68
34	0.42399	0.6004	0.1088	12.32
35	1.00012	-1.0513	0.1423	8.91
36	0.39466	-0.7199	0.2000	30.18
37	0.78335	-0.3676	0.2137	1.51
40	1.19857	0.4328	0.3911	5.90
41	1.30214	1.1230	0.2563	50.92
42	1.54808	0.7789	0.1518	40.64
43	1.18352	-0.8780	0.2106	3.96
44	0.95430	0.3930	0.2306	5.04
45	0.41490	-2.1313	0.2000	8.12
46	1.06655	0.6315	0.2146	5.61
92	0.46206	-1.8613	0.2000	70.85
93	0.88307	-1.6717	0.2000	13.68
94	0.63136	-0.1675	0.0672	2.93
95	0.30007	-0.3428	0.2000	318.53
96	0.32986	1.9862	0.3779	13.50
97	0.62524	-0.1970	0.1339	13.23
98	0.82788	-1.5096	0.0779	8.82
99	0.97656	-0.4850	0.2357	5.60
100	0.33635	0.2248	0.2000	103.98
101	0.62849	1.9154	0.2459	4.26
102	0.52505	1.5284	0.1432	0.53
103	1.28000	1.1586	0.2482	22.69
104	0.87447	1.1324	0.2112	8.88
105	0.94488	1.1350	0.1891	28.51

continued

Table 123. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 8 English Reading (Concluded)

Item	a	b	c	Fit-Z
106	0.64949	1.2674	0.1736	63.38
107	1.22071	-0.3523	0.2649	2.95
110	0.93440	0.6813	0.2034	7.90
112	0.55468	0.4565	0.1429	0.58
113	1.08178	-0.9024	0.2696	15.41
114	1.04935	0.2246	0.1336	14.98
115	0.83149	0.0702	0.1459	2.31
116	0.98520	-0.9031	0.2075	2.67

M1=54.7895, M2=649.8276, N=55545, Critical Z=148.12

Table 124. Item Parameter and Fit Summary, Constructed-Response Items, Grade 8 English Reading

Item	Part	f	g1	g2	g3	g4	Fit-Z
13		0.53649	-1.2913	-1.1356	-0.8032		31.24
14		0.58987	-1.0955	1.1048	-1.5300		25.83
24		1.11364	-1.7781	2.8792			8.78
28		1.07088	-1.8217	-0.4342	2.1549		17.85
29		0.77162	0.2997	0.4273			59.36
30		0.64193	0.4487	-0.1658	-0.3345		126.40
38		0.84490	-0.3039	-0.2719			76.66
39		0.99897	-0.1956	-1.1788			79.37
89		0.97456	-0.8698	-0.7744			28.44
90		1.18856	-0.7208	0.3432			59.99
91		0.74734	-0.8810	-0.1953			98.25
108		1.06332	-1.4432	-0.3862	2.2146		32.42
109		1.17735	1.1119	1.8090			40.22
111		0.59307	-0.0832	-1.2027	-0.5510	0.8449	181.79

M1=54.7895, M2=649.8276, N=55545, Critical Z=148.12

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

Item	a	b	c	Fit-Z
47	0.95526	-1.0951	0.1708	4.99
48	0.81844	-1.3761	0.0842	14.85
49	1.06560	-0.1427	0.3547	14.39
50	0.82913	-0.1952	0.2183	7.72
51	1.06119	-0.3004	0.2350	7.52
52	1.00639	-1.5587	0.1811	4.36
53	0.67823	1.1225	0.1166	36.06
54	0.54594	-0.2310	0.1078	0.79
55	1.01815	-0.9905	0.2641	3.98
56	1.30067	-1.6499	0.2161	7.16
57	0.57370	-0.7694	0.2000	12.74
58	0.44412	1.2352	0.4961	17.85
59	0.45092	-0.0671	0.2084	1.74
60	0.17186	-3.7980	0.2000	97.40
61	0.42799	-1.4647	0.2000	22.75
62	0.27251	2.4565	0.2000	56.27
64	0.93200	-1.1861	0.1679	5.53
65	0.80607	-1.8746	0.2000	21.56
66	1.36672	-0.8562	0.4087	6.02
67	1.18905	-0.5283	0.3005	7.18
68	1.49010	-1.2977	0.1705	23.87
69	0.68150	-0.1788	0.0657	94.36
70	0.20908	1.2888	0.0816	5.45
71	0.65485	-0.1247	0.2066	7.57
72	1.14330	0.4591	0.0962	48.95
73	0.76294	-0.3749	0.1000	8.57
74	0.83184	-0.9754	0.1183	16.04
75	0.75681	0.0342	0.1539	1.67
76	0.92143	1.0745	0.1728	55.43
77	0.99619	-0.3541	0.1604	21.34
78	0.82941	-0.8644	0.1797	4.68
79	0.67830	0.0541	0.1266	1.70
80	1.14480	-0.9620	0.1437	23.82
81	0.89464	0.3935	0.2899	8.83
82	1.04767	-0.5623	0.1710	6.73
83	0.61191	-0.7976	0.2000	29.51
84	0.76544	-0.1842	0.2590	7.15
85	1.38865	-0.9445	0.1744	20.24
86	1.21889	-0.6881	0.1237	9.07
87	1.08066	-0.6001	0.1977	23.59

M1=67.0177, M2=557.2896, N=57260, Critical Z=152.68

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

Item	Part	f	g1	g2	g3	g4	Fit-Z
1		1.13202	-5.1129				4.62
2	A	1.02871	-1.4335				0.75
2	B	0.54888	-0.2364				45.84
2	C	1.16735	-0.2994				2.05
2	D	0.72011	-0.5306				40.61
2	E	0.97436	0.3456				20.57
2	F	0.82281	-0.9456				141.25
3	A	1.14274	-1.8844	-3.3945	-1.4996	2.7240	809.54
3	B	1.45308	-5.5436	-3.7836	-1.3026	3.0582	44.48
3	C	1.53153	-6.3022	-2.5416			18.27
21		0.95566	-2.4297	-2.5470	-0.9141	2.0893	97.51
63		0.91139	-2.5311	-2.5445	-0.3986	1.7708	96.39
88		0.85291	-1.2657	-2.3883	0.0272	1.9804	118.27

M1=67.0177, M2=557.2896, N=57260, Critical Z=152.68

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

Item	a	b	c	Fit-Z
1	0.61420	0.2766	0.2820	29.71
3	0.63272	0.6723	0.0271	5.45
4	0.42345	-1.2214	0.2000	21.84
5	0.80155	0.2071	0.1963	112.38
6	0.64360	-0.3068	0.0724	0.22
8	1.47246	2.0210	0.0547	58.08
9	0.70234	0.5139	0.2577	29.25
11	1.19301	0.6853	0.2471	22.69
12	1.76471	1.0767	0.2654	52.96
13	0.58124	-0.3668	0.2392	1.88
14	1.03627	0.3831	0.0503	24.07
16	0.52627	-1.0456	0.2000	13.73
17	0.22823	-0.0499	0.2000	16.35
18	1.38397	0.3213	0.4369	11.73
19	0.35745	-2.5246	0.2000	12.20
21	0.48904	1.4406	0.0390	1.20
22	0.88160	0.2440	0.4766	15.84
23	0.84092	-2.3275	0.2000	35.56
24	1.01598	0.1129	0.1042	12.95
26	0.64945	-0.6558	0.2000	13.24
27	1.69182	2.0791	0.2000	571.59
29	1.68602	2.3761	0.2000	695.77
31	0.90337	1.5681	0.1649	2.75
32	1.76471	1.1965	0.2562	156.62
34	1.21428	1.1783	0.3172	1.49
35	1.56820	1.9167	0.1215	155.02
36	1.63828	1.8039	0.2140	12.09
37	0.87782	1.2136	0.3327	3.45
38	1.27520	0.1063	0.1435	1.37
39	1.30107	1.0530	0.1077	9.41
41	0.60864	-1.4791	0.2000	5.47
42	0.93189	-0.6439	0.1064	15.30
43	0.74166	-0.6733	0.2421	1.52
45	0.68782	0.5566	0.1548	4.77
46	1.75185	1.7038	0.1419	87.49
47	0.77616	2.5997	0.2141	4.78
49	1.02298	-0.1839	0.4499	0.45
51	1.76471	1.7800	0.1460	300.86
52	1.10757	-0.3855	0.2484	8.39
54	0.80096	-0.5732	0.2312	10.14
55	0.69113	0.2470	0.1263	-0.35
56	1.11630	0.7033	0.0572	10.99
57	1.76471	0.9145	0.2184	14.42
58	0.27012	-2.8951	0.2000	11.52
59	1.19491	1.4486	0.2965	15.70

M1=54.5467, M2=569.5193, N=50558, Critical Z=134.82

Table 128. Item Parameter and Fit Summary, Constructed-Response Items, Grade 8 English Mathematics

Item	Part	f	g1	g2	g3	g4	Fit-Z
2		0.65724	0.0769	-0.4243			3.73
7		1.24100	-1.5851	0.5554	0.0468		84.60
10		1.14745	1.1005	-0.6776			31.21
15		0.82446	0.8577	1.2806	1.7533		47.85
20		1.23132	-0.3199	0.3802	2.1369	2.4034	28.48
25		1.45185	2.0924	1.8998			36.08
28		1.25940	-2.0508	-0.4061	1.2077		163.44
30		0.87352	1.8077	-0.7796			15.95
33		1.22532	-0.1242	1.7857	1.9935		24.39
40		0.83410	0.3109	-1.2368	0.2757	0.5455	55.21
44		1.37694	-0.2834	-0.2484			67.50
48		0.99264	-0.2727	-1.5745	-0.2250		230.92
50		0.72906	1.8562	-1.2463			77.27
53		1.27357	0.1359	0.3097	1.0817		89.62
60		0.67348	-1.5554	-1.1338	-0.6054	1.1110	658.56

M1=54.5467, M2=569.5193, N=50558, Critical Z=134.82

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

Item	a	b	c	Fit-Z
1	0.27884	-3.2843	0.2000	1.83
3	1.21983	0.9217	0.3967	4.78
4	0.52199	3.7338	0.1120	1.16
5	0.89702	0.4913	0.3023	2.96
6	0.79537	-0.1513	0.1178	31.25
8	0.84961	1.1774	0.1977	3.13
9	0.87093	1.8807	0.2747	1.88
10	0.63336	1.2548	0.3688	5.57
11	1.27578	-0.4196	0.2191	12.51
12	0.60085	-0.1674	0.3252	40.40
13	0.79629	-2.1470	0.2000	6.06
14	0.70989	-1.9412	0.2000	4.40
15	0.47878	-0.7978	0.1843	22.19
16	0.82458	0.8980	0.1547	32.12
17	0.43668	-0.9211	0.2000	17.43
18	0.65990	0.5027	0.2718	4.83
27	0.86837	-1.9844	0.2000	13.89
28	1.25465	1.7794	0.3247	11.69
29	0.56933	0.4402	0.4626	1.19
30	0.95530	0.8409	0.2851	6.44
34	0.55592	0.7411	0.0504	1.03
35	0.90490	0.7591	0.3073	2.38
36	0.54234	-0.9541	0.0557	21.82
37	0.73646	0.9620	0.2662	6.55
38	0.49569	0.0951	0.0997	4.28
40	1.00766	0.9659	0.2635	2.89
42	0.49640	-0.0726	0.1079	7.64
43	1.06341	-1.0424	0.0682	5.73
44	0.44217	-0.3576	0.2000	32.86
45	0.77190	-1.6557	0.1843	63.58
46	0.69669	-0.0998	0.2258	5.36
47	1.32460	0.6843	0.2166	47.93
48	0.82989	-0.1608	0.1875	16.01
51	1.03536	1.9813	0.2214	74.71
52	1.30558	0.4159	0.2543	36.94
54	0.68571	0.4803	0.2230	32.48
55	1.36926	-1.1482	0.1672	6.80
56	1.07616	1.5171	0.1478	4.05
58	0.63240	1.5165	0.2097	0.03
59	0.88754	1.0787	0.1092	3.74
60	0.52338	-1.6535	0.1843	24.81
61	0.58540	-1.9355	0.1843	41.39
62	0.42858	0.2553	0.1056	1.03
64	0.82345	-2.8966	0.2000	24.11
65	0.70250	-2.3307	0.2000	11.94
67	0.66831	-1.3000	0.1843	257.47
68	0.83598	0.2535	0.1795	3.03
69	0.63526	0.3337	0.1131	1.78
70	1.51888	0.8043	0.1937	156.64

continued

Table 129. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 8 English Science (Concluded)

Item	a	b	c	Fit-Z
71	1.38023	1.1237	0.0712	20.67
72	0.65896	1.3168	0.3280	7.11
73	1.06433	-1.3815	0.1670	7.62
74	0.59388	-1.5618	0.1843	25.63
76	0.96469	1.2423	0.2707	23.76
79	0.34543	-1.5343	0.2000	7.39
81	0.92022	-0.6611	0.0782	12.37
82	0.27743	1.0492	0.2000	42.46
83	1.15752	2.2016	0.2095	31.78

M1=51.8321, M2=516.1436, N=55342, Critical Z=147.58

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

Item	Part	f	g1	g2	g3	g4	Fit-Z
2		1.51414	-0.3256	2.2811			57.35
7		0.99099	-1.3525	2.2632			30.04
19		0.88409	-0.4539	-0.0249			73.24
20		1.12647	-0.4154				51.94
21		1.07565	-2.2754				3.30
22		0.51841	-0.9939	-0.6381	-0.3959	-0.3124	26.63
23		1.46557	-1.9747				24.92
24		0.90228	2.3191				-0.67
25		0.73777	1.5175				40.07
26		0.59756	2.5855	-1.4872			13.37
31		1.12860	0.1183	0.8536			15.32
33		0.94663	1.1053				0.51
39		0.76292	-0.4851	-0.2552			72.85
41		0.39850	0.7221	0.7134			1437.31
49		0.89478	-0.6514				20.64
53		0.51832	-0.1959	-0.7422			81.43
57		0.54382	1.2659	-1.3079			36.26
63		1.10258	0.5181	1.7125			4.72
66		0.61595	-1.4542	-1.5779			28.34
75		0.68112	-0.9802				2.97
77		1.25274	1.7792	3.6987			8.03
78		1.26631	-0.8472	1.4070			17.33
80		1.45802	-2.7941	-0.3912			79.64

M1=51.8321, M2=516.1436, N=55342, Critical Z=147.58

Table 131. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 9 English Reading

Item	a	b	c	Fit-Z
4	1.21471	-1.0152	0.1477	3.62
6	1.28280	-1.6229	0.3683	7.16
7	1.31838	-1.6701	0.1564	4.11
8	0.57631	0.5995	0.1541	4.83
9	0.39846	-0.1316	0.0748	3.20
10	0.88824	-1.5710	0.0982	6.06
11	0.42284	-0.2823	0.3567	36.39
12	0.89154	-0.5698	0.2102	3.71
15	0.70526	-1.4465	0.2306	4.17
16	1.28911	-1.7165	0.0713	7.37
17	0.90886	-0.8689	0.2232	2.79
18	0.52333	-1.3677	0.1850	12.30
19	0.78525	-1.7258	0.0724	13.26
20	0.43919	1.6713	0.1944	10.83
21	0.60143	-1.0707	0.1252	10.74
23	0.58702	-1.4644	0.2000	150.00
24	0.67681	-0.0726	0.3329	19.25
26	0.87433	2.0013	0.2322	4.19
27	0.62949	-0.9859	0.2000	15.91
28	0.95353	-0.0157	0.2131	2.83
29	0.57253	-0.9099	0.1850	46.40
30	0.85906	-0.4045	0.1044	6.86
31	0.54599	0.5403	0.2864	11.02
32	1.28360	1.1043	0.1395	24.68
34	0.41511	0.8951	0.2000	3.43
35	0.36219	-0.3466	0.2000	4.67
36	1.11061	-1.2403	0.2456	4.76
37	0.98463	-0.3178	0.2391	8.53
38	0.68983	-1.0745	0.0950	3.41
39	0.34265	-1.2514	0.2000	38.96
40	0.92442	-0.5603	0.1947	2.41
41	0.37514	-1.7423	0.2000	161.23
43	0.66483	-0.8661	0.1399	18.11
45	1.08642	-1.2232	0.0612	7.99
46	0.61344	-0.2068	0.2998	7.30
48	0.44781	-0.7165	0.0822	13.44
49	0.71512	0.9344	0.1809	2.94
50	0.45630	-0.5446	0.2000	104.84
51	0.72373	-1.1223	0.2015	8.73
52	0.90115	-0.2119	0.2479	10.75
54	0.53727	0.0555	0.1118	12.26
55	1.14101	1.5530	0.1574	7.16
98	1.33186	-0.6334	0.3287	3.51
99	1.16367	-1.1229	0.2457	1.58
101	0.16946	1.5491	0.2000	184.16
102	1.21007	-0.6568	0.2029	6.98
103	0.80709	-1.7324	0.2000	15.20

continued

Table 131. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 9 English Reading (Concluded)

Item	a	b	c	Fit-Z
107	1.06886	0.8977	0.1991	40.88
108	1.08461	0.2604	0.2813	5.42
109	0.82851	0.1870	0.1693	86.94
110	0.78657	-1.3087	0.0798	84.90
111	1.76471	1.0537	0.2182	105.75
112	1.59543	1.7811	0.2000	197.13
113	1.26666	0.4314	0.2218	17.41
114	0.81969	-0.4486	0.2287	35.03
115	1.40416	1.3175	0.2273	19.16

M1=46.5468, M2=665.2595, N=59368, Critical Z=158.31

Table 132. Item Parameter and Fit Summary, Constructed-Response Items, Grade 9 English Reading

Item	Part	f	g1	g2	g3	g4	Fit-Z
5		0.57465	0.1387	-0.4408	-0.7050		95.49
13		0.56299	-1.3906	-1.3186	-1.0007		53.57
14		0.62464	-1.2395	0.4536	-1.3215		49.54
22		0.55223	1.2326	-0.0300	-0.0546		44.99
25		0.82335	-0.9210	-1.1661	-0.8465		32.83
33		0.72731	-1.0319	0.4849			30.36
42		0.77726	-0.4574	0.8224			53.04
44		0.71720	-0.9267	1.3538	0.8342		92.40
47		0.95999	0.3124	-1.5733	1.2824		55.17
53		1.16733	-0.3490	-0.1904	0.9374		20.58
100		1.17699	0.1282	-0.4309			63.52
104		0.83184	-0.8026	1.0076	2.5316		45.01
105		0.58429	0.2907	-0.8923	0.4305		159.60
106		0.97319	0.2601	1.4771	0.7298		144.65

M1=46.5468, M2=665.2595, N=59368, Critical Z=158.31

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

Item	a	b	c	Fit-Z
56	0.42652	0.1387	0.1784	-0.16
57	1.28836	-1.6416	0.3691	5.17
58	0.75426	-1.3396	0.1434	5.34
59	0.16106	1.9483	0.2000	17.29
61	0.75012	-1.8475	0.1519	9.47
62	0.70695	1.3736	0.1602	5.02
63	0.97534	-0.6199	0.2181	2.04
64	0.95629	-0.2763	0.1810	1.93
65	0.89995	-1.4572	0.2000	0.64
66	0.40257	1.5267	0.4148	6.62
67	0.82048	0.4638	0.3026	4.62
68	0.55752	-0.7148	0.2000	24.59
70	1.76471	-0.8353	0.1427	14.44
71	0.35840	1.1842	0.2000	73.32
72	1.31171	-0.8902	0.2155	6.38
73	0.76035	-0.9335	0.1339	4.05
74	1.34807	0.4682	0.2781	34.54
75	1.44022	-0.1463	0.2115	13.79
76	0.62115	-0.3603	0.1083	7.12
77	1.01239	-0.3887	0.1806	2.72
78	0.62208	1.3294	0.1288	2.87
79	0.89452	0.8051	0.1655	43.83
80	0.72577	-0.2200	0.1237	4.94
81	1.25065	-0.9399	0.1626	27.26
82	0.95722	-1.0041	0.1411	3.96
83	0.62318	-0.4156	0.2348	5.86
84	0.60935	0.7123	0.3073	3.32
85	0.83784	-0.6743	0.1115	2.33
86	0.48653	-0.5176	0.0895	7.78
87	0.87846	-0.9913	0.1160	42.59
88	0.54808	1.0749	0.2140	11.83
89	1.35612	-1.2671	0.2307	43.62
90	1.76471	-1.1844	0.1673	23.12
91	1.22319	-0.3821	0.2423	6.02
92	1.66176	-1.2816	0.2284	26.43
93	1.15241	-0.7081	0.1981	10.25
94	1.12477	-0.3437	0.2167	3.39
95	1.03368	-0.5711	0.2530	4.51
96	0.79887	0.5306	0.2596	4.23

M1=70.8745, M2=564.3486, N=59215, Critical Z=157.91

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

Item	Part	f	g1	g2	g3	g4	Fit-Z
1		1.44995	-4.9247				4.46
2	A	1.12129	1.6356				115.64
2	B	0.90108	-0.6134				6.64
2	C	1.48319	-1.7203				-0.19
2	D	1.24847	0.5468				2.93
2	E	1.26065	-0.5559				16.24
2	F	0.99840	1.4243				16.81
3	A	1.44806	-3.1886	-2.7205	-0.3210	3.0835	1878.02
3	B	1.76311	-6.3173	-3.3664	-0.3133	3.5555	46.13
3	C	1.97394	-7.2561	-1.3092			29.89
69		0.99169	-2.0089	-2.8851	-0.5522	1.8692	147.71
97		0.92314	-1.3910	-2.8519	-0.6543	2.0352	158.94
116		0.91325	-2.4825	-1.9338	0.5514	1.9857	61.00

M1=70.8745, M2=564.3486, N=59215, Critical Z=157.91

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

Item	a	b	c	Fit-Z
1	0.64729	-0.3685	0.1247	6.02
2	1.52378	1.7693	0.2385	237.76
4	1.15359	2.0134	0.0465	89.52
5	0.54236	-1.7283	0.1924	21.34
7	1.24518	0.2619	0.1995	34.69
8	1.54975	0.7512	0.1961	11.59
9	1.27486	0.6818	0.0947	18.52
10	0.83051	0.6314	0.1877	8.63
12	0.54941	1.7834	0.1830	2.94
13	1.70185	1.4458	0.2023	26.71
14	0.75199	-0.2043	0.2881	2.16
16	1.57887	2.2388	0.1472	6.23
17	0.93103	1.9787	0.1712	1.45
18	1.30534	1.4888	0.3524	5.50
19	0.43984	-0.7613	0.2000	19.75
21	0.96349	1.5107	0.2605	4.01
22	0.87709	1.0381	0.1853	10.89
24	1.06768	0.7210	0.0617	28.32
25	0.46737	-2.4157	0.2000	44.34
26	0.86915	1.3363	0.1584	3.84
28	0.91006	0.8542	0.2495	7.37
29	0.28216	-0.3441	0.2000	74.78
31	0.89296	0.8376	0.0869	52.55
32	0.52080	-0.6717	0.0700	5.49
33	1.05436	0.1653	0.1121	41.07
34	1.36059	1.7128	0.2658	1.45
36	1.11343	1.2881	0.1031	12.01
37	0.99894	-0.7535	0.2533	2.60
38	0.63403	-0.6771	0.1787	14.40
39	0.52926	1.4899	0.2946	2.93
41	1.03747	0.5015	0.3164	2.78
42	0.51223	-0.4444	0.3009	4.42
43	1.00136	0.2476	0.3700	2.72
45	0.40784	-2.7652	0.2000	21.59
46	1.31398	0.2898	0.3898	12.78
47	0.13972	0.7638	0.2000	57.53
49	1.18099	0.6646	0.1103	27.48
50	0.94592	2.0834	0.1910	12.48
51	1.07767	1.6878	0.1783	13.01
53	1.62497	1.2007	0.1552	10.21
55	0.67962	-0.0857	0.1786	8.21
56	1.76471	1.8258	0.0979	108.24
57	0.97907	0.5674	0.2569	11.96
58	1.14659	0.9500	0.1383	16.25
59	1.42023	0.7982	0.1536	26.88

M1=61.7943, M2=577.3052, N=56801, Critical Z=151.47

Table 136. Item Parameter and Fit Summary, Constructed-Response Items, Grade 9 English Mathematics

Item	Part	f	g1	g2	g3	g4	Fit-Z
3		1.20083	0.4093	2.3802			7.05
6		1.45618	-1.9980	1.3099	1.2253		114.20
11		0.99200	3.1919	-1.2682			80.21
15		0.92532	0.7997	1.0562	1.7143		109.20
20		1.37369	-0.7772	0.6722	1.1020	3.1632	61.54
23		1.00754	2.6479	-0.0665			33.95
27		1.25670	-0.2841	1.3675	1.6306		28.87
30		0.64127	0.9607	0.7606			351.78
35		0.83102	-1.0973	-0.8339	3.0985		300.16
40		0.91975	-1.1258	-0.3448	0.1205	1.1204	79.85
44		1.12409	3.1118	-0.8513			43.82
48		1.82497	0.3283	1.3446	2.8173		67.27
52		1.53084	1.7171	1.6529			58.24
54		1.14673	0.0722	-0.0396	0.5613		133.91
60		1.04181	-1.8343	0.3496	2.6408	2.2397	108.57

M1=61.7943, M2=577.3052, N=56801, Critical Z=151.47

Table 137. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 10 English Reading

Item	a	b	c	Fit-Z
4	0.67411	-1.1785	0.1897	21.11
5	0.56823	-2.0262	0.0909	11.19
6	0.73478	-1.2725	0.2000	0.61
8	0.87988	-1.8942	0.0444	18.06
9	0.85647	-1.2568	0.3025	8.04
11	0.45927	-0.1729	0.4072	4.64
12	0.66856	-1.0483	0.1291	14.83
13	0.58017	-1.2905	0.0552	4.94
16	0.32572	-1.3221	0.2000	22.57
17	0.48160	-1.6290	0.1017	2.31
18	0.60989	-0.3227	0.3699	5.92
19	0.69009	-0.6541	0.2296	7.23
20	1.45889	0.2840	0.3796	37.59
21	0.66908	-0.6577	0.2409	10.69
22	0.98122	-0.4558	0.2229	9.27
23	0.24031	-2.5919	0.2000	18.33
24	1.16649	-2.0961	0.0942	17.88
25	0.53281	-2.0771	0.1897	16.14
27	0.80838	-1.6381	0.2065	12.63
28	0.96423	-1.0986	0.0841	10.51
29	0.42658	0.3918	0.1313	22.10
30	1.21303	-0.5351	0.3360	4.73
32	0.83002	-1.8450	0.2000	8.95
34	0.67952	1.9495	0.2509	4.23
35	0.80143	1.9373	0.2926	7.05
36	0.39826	0.1413	0.2000	37.98
37	0.79998	-0.0457	0.2141	8.27
38	1.22320	0.2466	0.2401	13.69
40	1.37328	-0.3840	0.1140	12.48
41	1.37633	-1.6182	0.2498	3.21
42	0.58642	1.1832	0.3705	42.11
43	0.79153	0.3803	0.1855	25.10
44	0.52025	-0.3259	0.1897	53.30
45	1.46446	-0.4771	0.2692	7.82
46	1.25218	-1.1726	0.2691	1.90
48	1.28127	-0.6978	0.1664	15.61
49	0.86247	-1.7810	0.2000	23.06
95	1.01808	0.4347	0.2338	13.42
96	1.02529	0.0600	0.2856	11.06
97	0.70350	-0.2048	0.1749	59.57
98	0.74984	-1.6765	0.0667	34.31
99	1.56215	0.6034	0.2217	56.16
101	1.75297	1.3284	0.2957	61.03
102	1.24859	0.1456	0.2251	17.87
103	0.75362	-1.0490	0.2000	30.44
104	1.29935	1.0027	0.2000	34.58

continued

Table 137. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 10 English Reading (Concluded)

Item	a	b	c	Fit-Z
107	0.88886	-1.3106	0.1897	159.75
108	0.37429	-1.2887	0.2000	48.77
109	1.06330	-0.9521	0.1340	30.83
110	0.59270	-1.4805	0.0621	26.48
111	0.44203	0.6710	0.1466	6.29
112	1.36292	-0.5489	0.1904	14.18
113	1.25029	-1.2875	0.2844	0.95
114	0.36077	0.2310	0.1713	-0.65
115	0.99793	-0.9958	0.2931	28.11

M1=45.6690, M2=695.0198, N=54403, Critical Z=145.07

Table 138. Item Parameter and Fit Summary, Constructed-Response Items, Grade 10 English Reading

Item	Part	f	g1	g2	g3	g4	Fit-Z
7		0.54461	0.7888	0.9357			114.16
10		0.53838	-0.7584	-0.1167	0.9285		11.51
14		0.55993	-1.0370	0.5012	-0.5433	0.4754	109.18
15		1.11660	-0.9349	0.8041			37.31
31		0.64869	0.2856	-0.7865	0.4391		41.72
33		0.78262	-0.5867	-0.4754	1.3060		75.51
39		0.47034	0.7731	0.4583	2.7534		27.55
47		1.31081	0.0875	-0.6298			61.89
50		0.95012	-1.0695	0.9951	2.5018		19.64
51		0.66540	0.0236	-0.8558	0.1103		120.57
94		0.94213	0.1840	0.9004	0.6754		50.00
100		1.16065	-1.3349	0.6724			231.48
105		0.86434	1.5022	1.0668	2.8130		51.64
116		0.84278	-0.7548	-1.7366	-1.0413		63.20

M1=45.6690, M2=695.0198, N=54403, Critical Z=145.07

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

Item	a	b	c	Fit-Z
52	1.06365	-0.3479	0.1877	8.69
53	0.30386	-1.1818	0.2000	57.73
54	0.38466	0.5018	0.1275	7.81
55	0.54960	0.5500	0.2012	22.31
56	0.88651	0.8102	0.1384	10.04
57	1.63932	-1.1610	0.1811	7.88
58	0.50422	-0.4329	0.0669	18.05
59	1.05703	-0.7495	0.1854	3.05
60	0.83989	0.3505	0.2097	5.79
61	1.62535	-0.8863	0.2417	11.30
62	0.58281	-1.2361	0.1559	49.78
63	0.89626	-0.6974	0.1380	22.03
64	0.52163	-0.3177	0.0531	17.57
65	0.86996	-0.7660	0.1148	1.33
66	0.78649	-1.0691	0.2000	312.01
67	0.61741	0.5522	0.1848	4.95
68	0.52147	0.9263	0.2041	10.76
69	0.83667	0.4069	0.1638	10.02
70	0.76115	-0.2073	0.1841	2.46
71	0.25756	0.3159	0.2000	13.76
72	1.21734	-1.0936	0.2006	8.18
74	1.06371	-1.1821	0.1175	15.06
75	0.69502	-0.8845	0.2000	10.74
76	0.59179	0.2389	0.2938	6.77
77	0.91519	-0.7928	0.1004	2.15
78	0.46183	-0.5244	0.1559	32.73
79	0.87834	-1.2106	0.0815	55.77
80	1.46541	-1.3007	0.1787	41.34
81	0.82784	-1.7709	0.0745	17.64
82	0.77847	0.0824	0.1994	4.77
83	0.88141	0.3438	0.1390	15.88
84	0.81748	-0.4436	0.1371	12.31
85	0.78508	-0.6612	0.2007	8.02
86	1.57887	-1.7140	0.2994	47.59
87	1.79691	-1.6588	0.3480	18.15
88	1.53558	-1.6405	0.2757	21.90
89	0.91865	-1.1960	0.0686	11.83
90	1.20266	-0.8081	0.1248	42.81
91	0.49028	-0.2866	0.1413	2.94
92	1.24327	0.9801	0.1608	41.11

M1=75.8267, M2=581.4861, N=54397, Critical Z=145.06

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

Item	Part	f	g1	g2	g3	g4	Fit-Z
1		1.17509	-4.1521				6.16
2	A	0.93764	2.5882				32.28
2	B	0.72666	-0.8821				25.75
2	C	1.11113	-0.4226				36.37
2	D	1.17710	-0.9769				-0.40
2	E	0.63392	-0.3139				126.11
2	F	1.08094	-0.5831				8.13
3	A	1.91307	-5.6218	-3.6927	-0.5263	3.6512	302.19
3	B	2.13640	-7.8040	-4.0045	-0.4992	4.1480	69.59
3	C	2.18813	-7.8715	-1.5085			58.89
26		1.03739	-1.3052	-2.8929	0.6517	2.2245	136.90
73		0.70898	-1.4251	-2.6160	0.0682	0.9805	77.18
93		1.03519	-2.5485	-2.0207	1.0582	2.1281	66.10

M1=75.8267, M2=581.4861, N=54397, Critical Z=145.06

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

Item	a	b	c	Fit-Z
1	0.74950	0.0179	0.2409	0.80
2	1.24504	0.8693	0.1165	9.64
3	0.96770	1.5460	0.1591	2.45
5	1.01158	-0.3973	0.3075	6.85
6	1.01643	1.3120	0.3736	-0.24
7	0.44412	-1.1901	0.2000	19.93
9	0.65543	2.1381	0.2757	18.07
10	1.27313	1.8070	0.0368	27.08
11	1.20870	0.0215	0.2659	2.47
13	1.09069	1.5448	0.2030	9.13
14	1.64886	1.8095	0.1976	265.90
16	0.69491	-0.1587	0.1494	2.97
17	0.64866	-1.7021	0.2000	11.24
18	0.77399	1.1091	0.2855	5.90
19	1.23067	0.8720	0.0689	18.79
21	1.21545	1.2288	0.1139	4.45
22	1.76471	2.2527	0.3309	24.06
23	0.82330	1.5765	0.3349	12.73
24	1.40120	0.6310	0.1908	37.66
26	1.72736	1.4835	0.0887	173.59
28	1.15992	0.9797	0.1004	10.16
29	0.84286	-0.2474	0.2354	2.10
31	0.53294	1.5303	0.3494	5.31
32	1.23208	1.6403	0.1791	12.78
33	0.94798	0.5293	0.3117	0.52
34	0.40222	0.3411	0.2002	16.60
36	1.31355	-0.0498	0.1128	5.72
37	0.50662	-0.7784	0.1605	17.54
38	0.81924	-0.2052	0.1942	15.90
39	1.34401	0.1328	0.1531	79.43
41	0.89974	0.7402	0.2130	5.68
42	1.10409	0.7338	0.1141	2.29
43	0.37288	-0.1525	0.1765	28.97
45	1.00641	1.1033	0.2760	4.01
46	0.74987	-0.9180	0.2000	8.41
47	1.43127	1.4401	0.3577	6.08
49	1.49291	1.5022	0.0861	10.50
50	0.62927	1.1044	0.2173	29.18
51	1.34144	0.3683	0.1465	9.05
53	0.92637	0.2456	0.1616	6.83
55	0.60288	0.1434	0.1422	94.89
56	0.97689	1.4395	0.1576	3.17
58	0.88502	0.4915	0.2856	8.18
59	1.05767	0.6361	0.0707	21.55

M1=63.2788, M2=592.7915, N=53945, Critical Z=143.85

Table 142. Item Parameter and Fit Summary, Constructed-Response Items, Grade 10 English Mathematics

Item	Part	f	g1	g2	g3	g4	Fit-Z
4		1.21194	0.2591	2.3637			4.50
8		1.23712	1.0777	1.6705	2.2505		42.75
12		1.30469	-1.6576	1.0023			137.79
15		0.93871	-2.1420	-0.4465	0.0109		64.28
20		1.62809	-0.1402	1.9236	1.0380	2.6949	72.17
25		1.11063	2.3715	-0.3183			54.48
27		1.03128	0.8799	2.3382	-0.4021		81.22
30		0.74298	-0.5209	1.0427			144.60
35		0.91016	-1.5036	-0.9466	2.8589		344.67
40		1.10499	-3.0377	-0.4454	1.4836	1.3252	134.72
44		1.69520	1.2461	2.0569			43.62
48		1.06610	0.1048	1.8101	-0.3395		127.80
52		1.24467	-0.3156	1.7295			418.66
54		1.07492	-0.0916	4.2466	1.2035		70.16
60		1.58526	0.2325	2.6751	3.8155	3.4132	30.36

M1=63.2788, M2=592.7915, N=53945, Critical Z=143.85

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

Item	a	b	c	Fit-Z
1	1.32220	0.2747	0.1175	23.73
2	0.95103	-1.4404	0.2051	2.87
3	0.53798	0.9790	0.2397	7.08
4	0.86411	0.5307	0.0962	8.00
5	0.78406	-0.2939	0.1813	8.19
6	0.95368	1.6466	0.2957	0.83
7	1.68580	1.1988	0.4621	10.33
8	1.32781	1.1794	0.1823	75.30
9	0.99876	-0.6848	0.3082	2.76
10	1.01755	-0.7918	0.2870	8.81
11	0.97871	0.8591	0.1998	5.57
12	1.09300	-1.5699	0.1214	12.31
13	0.92459	-0.2416	0.1842	2.56
15	0.70111	1.7507	0.2908	7.78
16	0.86760	0.8374	0.1899	5.36
17	1.07869	-0.5052	0.2973	8.29
18	0.98362	-0.0155	0.2755	1.99
19	1.10318	0.2327	0.2362	4.75
20	0.77284	-1.2665	0.1987	15.69
28	0.98456	-2.6674	0.2000	35.49
30	1.24021	-1.1596	0.2164	4.69
31	0.66933	-1.0980	0.1987	72.71
32	1.16190	-0.0801	0.2567	15.58
33	0.67415	-0.6495	0.1589	5.03
34	0.69754	1.3585	0.1491	1.27
36	1.64548	0.8635	0.2706	29.05
37	0.62962	-0.9993	0.0509	15.18
38	0.74697	-1.4486	0.2000	28.34
39	0.57957	-1.4212	0.2000	21.12
41	1.18323	-0.0444	0.1140	22.78
43	0.47080	-1.2419	0.2000	33.09
44	1.03014	0.2015	0.1457	5.91
45	0.75043	0.7911	0.1482	10.83
47	0.67830	1.4092	0.1189	5.82
48	0.92169	0.8379	0.1249	4.86
49	0.92847	-1.9090	0.2000	19.22
51	0.50050	0.7040	0.0850	2.37
52	0.33520	3.5949	0.1314	0.15
54	0.91248	1.0682	0.3160	6.27
55	1.09609	2.2139	0.1536	24.06
56	0.97432	0.0862	0.2523	7.09
57	1.33391	0.9772	0.2330	9.83
59	0.80625	0.8882	0.3938	6.74
60	0.48633	-0.0523	0.2000	33.25
61	0.92401	-0.7525	0.3080	4.28
62	1.22318	-1.1022	0.1444	10.82
64	0.81051	-0.7590	0.1957	20.68

continued

Table 143. Item Parameter and Fit Summary, Multiple-Choice Items, Grade 10 English Science (Concluded)

Item	a	b	c	Fit-Z
65	0.99231	-0.7081	0.1616	4.51
66	0.29253	-2.3305	0.2000	60.17
67	0.44901	-1.2525	0.2000	58.34
68	1.10263	-0.1591	0.2752	10.26
70	0.68756	0.5634	0.1552	6.14
72	1.43420	0.5427	0.2183	11.54
73	1.06040	-0.2060	0.3863	21.45
75	0.80352	-0.0014	0.1086	2.24
76	0.72018	-1.2300	0.0554	23.52
79	1.72953	2.1449	0.2277	204.91
80	1.02712	0.7878	0.1856	5.97
81	0.81465	-0.4281	0.1567	4.02
82	1.23360	-0.3567	0.3069	3.67

M1=53.5855, M2=510.0203, N=51440, Critical Z=137.13

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

Item	Part	f	g1	g2	g3	g4	Fit-Z
14		1.43203	-1.4170				101.72
21		0.84925	0.8690				37.78
22		0.56157	0.2205	-1.1937	-0.9601	0.3511	76.12
23		0.90830	-0.7874	0.1029			281.71
24		0.86927	0.5554				8.18
25		0.94869	0.9551				82.89
26		0.49222	0.7634	1.3746			137.05
27		0.60290	1.0782				4.49
29		0.85413	-0.3447	0.8525			20.86
35		0.62454	-0.8177	-0.0970			139.85
40		0.63884	-1.0000	-0.6288			12.49
42		1.06188	1.0212	1.7008			104.93
46		1.09133	1.3199	2.3260			7.79
50		1.06300	-1.3301	-0.8677			62.75
53		1.11172	-0.7313				31.74
58		1.29617	1.3757	2.1723			20.55
63		1.22831	1.8896	1.3885			28.54
69		1.14490	1.3517				1.11
71		0.85237	-1.5025	-0.0906			50.97
74		1.13497	-0.1028	1.6808			36.30
77		1.07983	1.1798				0.17
78		1.66212	1.0373	0.5482			43.82
83		0.77042	-2.1536	0.8772			108.13

M1=53.5855, M2=510.0203, N=51440, Critical Z=137.13

Table 145. Correlations Between the Reference and New Form Item Parameters for the 2007 CSAP Administration

Content Area	Grade	Discrimination (*a*)	Difficulty (*b*)	Guessing (*c*)	*p*-Value (*p*)
Reading	3	0.90	0.97	0.84	0.99
Reading	4	0.95	0.99	0.89	0.99
Reading	5	0.90	0.99	0.80	1.00
Reading	6	0.99	0.99	0.91	0.99
Reading	7	0.96	0.97	0.67	0.96
Reading	8	0.97	0.98	0.91	0.98
Reading	9	0.98	0.99	0.93	0.99
Reading	10	0.97	0.98	0.77	0.99
Writing	3	0.94	0.93	0.68	0.99
Writing	4	0.94	0.94	0.82	0.97
Writing	5	0.98	0.99	0.81	1.00
Writing	6	0.98	0.96	0.71	0.99
Writing	7	0.96	0.98	0.74	0.99
Writing	8	0.92	0.90	0.60	0.99
Writing	9	0.99	0.99	0.90	1.00
Writing	10	0.97	0.96	0.67	0.97
Mathematics	3	0.86	0.98	0.75	0.97
Mathematics	4	0.92	0.99	0.91	0.99
Mathematics	5	0.98	0.99	0.77	0.99
Mathematics	6	0.95	0.98	0.89	0.99
Mathematics	7	0.98	0.99	0.98	0.99
Mathematics	8	0.98	0.99	0.96	1.00
Mathematics	9	0.99	0.99	0.99	0.99
Mathematics	10	0.98	0.99	0.92	1.00
Science	5	0.96	0.99	0.63	0.99
Science	8	0.94	0.99	0.86	0.99
Science	10	0.98	0.99	0.98	0.99
Reading Spanish	3	0.79	0.98	0.37	0.99
Writing Spanish	3	0.78	0.97	0.50	0.97

Note: Grade 4 Spanish Reading and Writing were pre-equated.

Table 146. Scaling Constants Across Grades and Content Areas for Two Administrations

		2006		2007	
Content Area	Grade	Multiplicative	Additive	Multiplicative	Additive
Reading	3	62.6	559.2	62.5	565.0
Reading	4	52.5	590.1	59.4	592.0
Reading	5	60.1	612.0	58.6	620.6
Reading	6	57.5	624.6	58.3	630.3
Reading	7	58.8	639.6	58.0	642.5
Reading	8	55.8	653.1	54.8	649.8
Reading	9	51.8	668.2	46.5	665.3
Reading	10	50.4	696.0	45.7	695.0
Writing	3	47.7	462.4	43.9	469.7
Writing	4	47.3	480.3	46.3	484.4
Writing	5	54.1	508.7	49.7	508.5
Writing	6	58.6	521.9	56.7	527.8
Writing	7	65.3	550.7	64.7	558.2
Writing	8	68.8	556.6	67.0	557.3
Writing	9	74.6	567.8	70.9	564.3
Writing	10	74.2	595.7	75.8	581.5
Mathematics	3	75.3	473.6	71.9	466.2
Mathematics	4	66.2	493.6	67.0	500.7
Mathematics	5	63.5	524.8	65.6	536.9
Mathematics	6	65.9	536.8	65.3	548.0
Mathematics	7	64.4	560.2	59.6	566.0
Mathematics	8	62.7	577.2	54.5	569.5
Mathematics	9	63.1	582.4	61.8	577.3
Mathematics	10	64.1	591.7	63.3	592.8
Science	5	50.2	554.7	49.7	560.5
Science	8	51.3	513.6	51.8	516.1
Science	10	53.9	506.8	53.6	510.0
Reading Spanish	3	36.0	528.0	37.2	522.2
Reading Spanish	4	-*	-*	-*	-*
Writing Spanish	3	55.3	502.9	59.1	507.8
Writing Spanish	4	-*	-*	-*	-*

*Grade 4 Spanish Reading and Writing have been equated each year except 2006 and 2007, when they were pre-equated using items from 2002, 2004, and 2005.

Table 147. CSAP Item and Anchor Count by Content Standard for Final Calibration Sample: Reading

Content Area	Grade	Content Standard	Item Set	No. of Items	Percentage
Reading	3	CS 1	Total Test	40	100.0
			Anchor Set	19	100.0
		Total	Total Test	40	100.0
			Anchor Set	19	100.0
Reading	4	CS 1	Total Test	29	41.4
			Anchor Set	8	38.1
		CS 4	Total Test	12	17.1
			Anchor Set	5	23.8
		CS 5	Total Test	17	24.3
			Anchor Set	4	19.0
		CS 6	Total Test	12	17.1
			Anchor Set	4	19.0
		Total	Total Test	70	100.0
			Anchor Set	21	100.0
Reading	5	CS 1	Total Test	23	32.9
			Anchor Set	7	31.8
		CS 4	Total Test	20	28.6
			Anchor Set	6	27.3
		CS 5	Total Test	15	21.4
			Anchor Set	4	18.2
		CS 6	Total Test	12	17.1
			Anchor Set	5	22.7
		Total	Total Test	70	100.0
			Anchor Set	22	100.0
Reading	6	CS 1	Total Test	22	31.4
			Anchor Set	7	33.3
		CS 4	Total Test	19	27.1
			Anchor Set	5	23.8
		CS 5	Total Test	15	21.4
			Anchor Set	5	23.8
		CS 6	Total Test	14	20.0
			Anchor Set	4	19.0
		Total	Total Test	70	100.0
			Anchor Set	21	100.0
Reading	7	CS 1	Total Test	21	30.0
			Anchor Set	7	35.0
		CS 4	Total Test	18	25.7
			Anchor Set	5	25.0
		CS 5	Total Test	17	24.3
			Anchor Set	5	25.0
		CS 6	Total Test	14	20.0
			Anchor Set	3*	15.0
		Total	Total Test	70	100.0
			Anchor Set	20*	100.0

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

Table 147. CSAP Item and Anchor Count by Content Standard for Final Calibration Sample: Reading (Concluded)

Content Area	Grade	Content Standard	Item Set	No. of Items	Percentage
Reading	8	CS 1	Total Test	24	34.3
			Anchor Set	7	31.8
		CS 4	Total Test	15	21.4
			Anchor Set	5	22.7
		CS 5	Total Test	15	21.4
			Anchor Set	5	22.7
		CS 6	Total Test	16	22.9
			Anchor Set	5	22.7
		Total	Total Test	70	100.0
			Anchor Set	22	100.0
Reading	9	CS 1	Total Test	21	30.0
			Anchor Set	6	28.6
		CS 4	Total Test	15	21.4
			Anchor Set	4	19.0
		CS 5	Total Test	19	27.1
			Anchor Set	6	28.6
		CS 6	Total Test	15	21.4
			Anchor Set	5	23.8
		Total	Total Test	70	100.0
			Anchor Set	21	100.0
Reading	10	CS 1	Total Test	21	30.4
			Anchor Set	7	30.4
		CS 4	Total Test	14	20.3
			Anchor Set	5	21.7
		CS 5	Total Test	19	27.5
			Anchor Set	5	21.7
		CS 6	Total Test	15*	21.7
			Anchor Set	6	26.1
		Total	Total Test	69*	100.0
			Anchor Set	23	100.0

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

Table 148. CSAP Item and Anchor Count by Content Standard for Final Calibration Sample: Mathematics

Content Area	Grade	Content Standard	Item Set	No. of Items	Percentage
Mathematics	3	CS 1	Total Test	8	20.0
			Anchor Set	4	23.5
		CS 2/3	Total Test	11	27.5
			Anchor Set	4	23.5
		CS 4/5	Total Test	14	35.0
			Anchor Set	6	35.3
		CS 6	Total Test	7	17.5
			Anchor Set	3	17.6
		Total	Total Test	40	100.0
			Anchor Set	17	100.0
Mathematics	4	CS 1	Total Test	12	17.4
			Anchor Set	4	20.0
		CS 2	Total Test	11	15.9
			Anchor Set	3	15.0
		CS 3	Total Test	11	15.9
			Anchor Set	3	15.0
		CS 4/5	Total Test	21	30.4
			Anchor Set	6	30.0
		CS 6	Total Test	14	20.3
			Anchor Set	4	20.0
		Total	Total Test	69	100.0
			Anchor Set	20	100.0
Mathematics	5	CS 1	Total Test	16	23.2
			Anchor Set	4	21.1
		CS 2	Total Test	12	17.4
			Anchor Set	3	15.8
		CS 3	Total Test	11	15.9
			Anchor Set	4	21.1
		CS 4/5	Total Test	15	21.7
			Anchor Set	4	21.1
		CS 6	Total Test	15	21.7
			Anchor Set	4	21.1
		Total	Total Test	69	100.0
			Anchor Set	19	100.0

Table 148. CSAP Item and Anchor Count by Content Standard for Final Calibration Sample: Mathematics (Continued)

Content Area	Grade	Content Standard	Item Set	No. of Items	Percentage
Mathematics	6	CS 1	Total Test	12	20.0
			Anchor Set	4	21.1
		CS 2	Total Test	10	16.7
			Anchor Set	4	21.1
		CS 3	Total Test	11	18.3
			Anchor Set	4	21.1
		CS 4/5	Total Test	16	26.7
			Anchor Set	5	26.3
		CS 6	Total Test	11	18.3
			Anchor Set	2	10.5
		Total	Total Test	60	100.0
			Anchor Set	19	100.0
Mathematics	7	CS 1/6	Total Test	18*	30.5
			Anchor Set	7	33.3
		CS 2	Total Test	12	20.3
			Anchor Set	4	19.0
		CS 3	Total Test	12	20.3
			Anchor Set	4	19.0
		CS 4/5	Total Test	17	28.8
			Anchor Set	6	28.6
		Total	Total Test	59*	100.0
			Anchor Set	21	100.0
Mathematics	8	CS 1/6	Total Test	15	25.0
			Anchor Set	4	19.0
		CS 2	Total Test	15	25.0
			Anchor Set	6	28.6
		CS 3	Total Test	12	20.0
			Anchor Set	5	23.8
		CS 4/5	Total Test	18	30.0
			Anchor Set	6	28.6
		Total	Total Test	60	100.0
			Anchor Set	21	100.0
Mathematics	9	CS 1/6	Total Test	14	23.3
			Anchor Set	4	20.0
		CS 2	Total Test	17	28.3
			Anchor Set	4	20.0
		CS 3	Total Test	15	25.0
			Anchor Set	7	35.0
		CS 4/5	Total Test	14	23.3
			Anchor Set	5	25.0
		Total	Total Test	60	100.0
			Anchor Set	20	100.0

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

Table 148. CSAP Item and Anchor Count by Content Standard for Final Calibration Sample: Mathematics (Concluded)

Content Area	Grade	Content Standard	Item Set	No. of Items	Percentage
Mathematics	10	CS 1/6	Total Test	13*	22.0
			Anchor Set	4	20.0
		CS 2	Total Test	17	28.8
			Anchor Set	6	30.0
		CS 3	Total Test	15	25.4
			Anchor Set	5	25.0
		CS 4/5	Total Test	14	23.7
			Anchor Set	5	25.0
		Total	Total Test	59*	100.0
			Anchor Set	20	100.0

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

Table 149. CSAP Item and Anchor Count by Content Standard for Final Calibration Sample: Writing

Content Area	Grade	Content Standard	Item Set	No. of Items	Percentage
Writing	3	CS 2	Total Test	21	39.6
			Anchor Set	9	47.4
		CS 3	Total Test	32	60.4
			Anchor Set	10	52.6
		Total	Total Test	53	100.0
			Anchor Set	19	100.0
Writing	4	CS 2	Total Test	21	39.6
			Anchor Set	11	55.0
		CS 3	Total Test	32	60.4
			Anchor Set	9	45.0
		Total	Total Test	53	100.0
			Anchor Set	20	100.0
Writing	5	CS 2	Total Test	21	39.6
			Anchor Set	8	40.0
		CS 3	Total Test	32	60.4
			Anchor Set	12	60.0
		Total	Total Test	53	100.0
			Anchor Set	20	100.0
Writing	6	CS 2	Total Test	21	39.6
			Anchor Set	10	45.5
		CS 3	Total Test	32	60.4
			Anchor Set	12	54.5
		Total	Total Test	53	100.0
			Anchor Set	22	100.0
Writing	7	CS 2	Total Test	21	39.6
			Anchor Set	9	45.0
		CS 3	Total Test	32	60.4
			Anchor Set	11	55.0
		Total	Total Test	53	100.0
			Anchor Set	20	100.0
Writing	8	CS 2	Total Test	21	39.6
			Anchor Set	8	44.4
		CS 3	Total Test	32	60.4
			Anchor Set	10	55.6
		Total	Total Test	53	100.0
			Anchor Set	18	100.0
Writing	9	CS 2	Total Test	21	40.4
			Anchor Set	9	45.0
		CS 3	Total Test	31*	59.6
			Anchor Set	11	55.0
		Total	Total Test	52*	100.0
			Anchor Set	20	100.0

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

Table 149. CSAP Item and Anchor Count by Content Standard for Final Calibration Sample: Writing (Concluded)

Content Area	Grade	Content Standard	Item Set	No. of Items	Percentage
Writing	10	CS 2	Total Test	21	39.6
			Anchor Set	8	44.4
		CS 3	Total Test	32	60.4
			Anchor Set	10	55.6
		Total	Total Test	53	100.0
			Anchor Set	18	100.0

Table 150. CSAP Item and Anchor Count by Content Standard for Final Calibration Sample: Science

Content Area	Grade	Content Standard	Item Set	No. of Items	Percentage
Science	5	CS 1/6	Total Test	31*	42.5
			Anchor Set*	8	38.1
		CS 2/5	Total Test	14*	19.2
			Anchor Set*	4	19.0
		CS 3/5	Total Test	14	19.2
			Anchor Set*	4	19.0
		CS 4/5	Total Test	14	19.2
			Anchor Set*	5	23.8
		Total	Total Test	73*	100.0
			Anchor Set	21	100.0
Science	8	CS 1/6	Total Test	32*	39.5
			Anchor Set	10	40.0
		CS 2/5	Total Test	16	19.8
			Anchor Set	5	20.0
		CS 3/5	Total Test	16*	21.0
			Anchor Set	5	20.0
		CS 4/5	Total Test	17	19.8
			Anchor Set	5	20.0
		Total	Total Test	81*	100.0
			Anchor Set	25	100.0
Science	10	CS 1/6	Total Test	32	38.6
			Anchor Set*	8	38.1
		CS 2/5	Total Test	17	20.5
			Anchor Set*	5	23.8
		CS 3/5	Total Test	16	19.3
			Anchor Set*	4	19.0
		CS 4/5	Total Test	18	21.7
			Anchor Set*	4	19.0
		Total	Total Test	83	100.0
			Anchor Set	21	100.0

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

Table 151. CSAP Item and Anchor Count by Content Standard for Final Calibration Sample: Reading & Writing Spanish

Content Area	Grade	Content Standard	Item Set	No. of Items	Percentage
Reading Spanish	3	CS 1	Total Test	40	100.0
			Anchor Set	18	100.0
		Total	Total Test	40	100.0
			Anchor Set	18	100.0
Writing Spanish	3	CS 2	Total Test	21	39.6
			Anchor Set	5	27.8
		CS 3	Total Test	32	60.4
			Anchor Set	13	72.2
		Total	Total Test	53	100.0
			Anchor Set	18	100.0
Reading Spanish	4	CS 1	Total Test	31	44.3
		CS 4	Total Test	14	20.0
		CS 5	Total Test	13	18.6
		CS 6	Total Test	12	17.1
		Total	Total Test	70	100.0
Writing Spanish	4	CS 2	Total Test	19	35.8
		CS 3	Total Test	34	64.2
		Total	Total Test	53	100.0

Grade 4 Spanish Reading and Writing were pre-equated and did not use anchor items.

Table 152. Scale Score Descriptive Statistics by Gender

		Gender											
		Female				Male				Total			
Content Area	Grade	N	Mean	SD	Median	N	Mean	SD	Median	N	Mean	SD	Median
Reading	3	27533	561	78.5	567	28658	550	84.9	559	56196	555	82.0	563
	4	27659	592	66.1	600	28612	577	73.5	588	56276	584	70.3	594
	5	27715	618	64.7	624	28989	604	73.1	614	56707	611	69.5	619
	6	27422	631	66.2	638	28897	617	74.3	629	56320	624	70.8	633
	7	27729	643	66.0	651	29035	629	72.9	639	56765	636	70.0	645
	8	28117	654	58.3	659	29488	639	64.1	647	57605	647	61.8	653
	9	29168	667	50.5	672	30355	652	58.2	659	59530	660	55.0	665
	10	26874	694	51.0	699	27817	673	62.1	683	54697	683	57.8	691
Spanish Reading	3	789	525	44.7	528	783	513	46.2	516	1572	519	45.9	522
	4	119	527	39.7	526	145	521	39.7	521	264	524	39.7	524
Writing	3	27567	476	49.1	477	28683	461	49.9	463	56258	469	50.1	470
	4	27670	491	52.4	490	28604	475	49.9	477	56279	483	51.7	483
	5	27716	518	54.9	518	28985	496	53.4	497	56704	507	55.2	507
	6	27444	539	61.4	539	28935	515	61.9	517	56380	527	62.9	528
	7	27716	572	70.0	571	29052	542	69.0	542	56769	557	71.1	556
	8	28133	573	72.4	572	29500	543	72.4	545	57633	558	74.1	558
	9	29175	580	75.8	579	30341	547	76.2	549	59523	563	77.7	564
	10	26854	598	80.0	599	27824	563	80.5	565	54684	580	82.1	582
Spanish Writing	3	794	518	68.4	517	784	492	64.5	493	1578	505	67.8	506
	4	120	517	37.3	516	144	507	39.7	507	264	512	38.9	511
Mathematics	3	28388	456	85.7	457	29516	457	85.8	458	57914	457	85.7	458
	4	27811	490	77.0	493	28826	493	79.7	499	56644	491	78.4	496
	5	27712	519	76.0	522	29016	520	81.4	524	56736	519	78.8	523
	6	27471	536	74.5	537	28974	538	79.3	541	56452	537	77.0	539
	7	27738	557	67.7	559	29107	557	73.7	560	56847	557	70.9	560
	8	28118	565	62.5	570	29502	566	69.4	571	57620	566	66.1	570
	9	29280	570	69.4	577	30537	570	77.9	578	59825	570	73.9	577
	10	26976	584	69.3	590	27984	588	76.6	596	54969	586	73.1	593
Science	5	27724	551	56.0	555	29009	556	59.3	560	56737	553	57.7	557
	8	28121	502	58.1	507	29505	504	64.5	511	57631	503	61.5	509
	10	26997	500	57.8	508	28001	506	64.7	516	55003	503	61.5	512

Table 153. Scale Score Descriptive Statistics by Content Standard

		Content Standard																				
		1			2			3			4			5			6			Total		
Content Area	Grade	Mean	SD	Median	Mean	SD	Median	Mean	SD	Median	Mean	SD	Median	Mean	SD	Median	Mean	SD	Median	Mean	SD	Median
Reading	3	555	82.0	563	.	.	.	.	.	.	.	.	.							555	82.0	563
Reading	4	586	80.7	593	.	.	.	.	.	.	579	95.7	595	585	93.2	593	589	90.1	594	584	70.3	594
Reading	5	609	84.6	618	.	.	.	.	.	.	613	98.3	619	617	98.2	618	614	86.2	619	611	69.5	619
Reading	6	622	82.8	633	.	.	.	.	.	.	629	98.3	634	622	86.5	633	621	90.1	633	624	70.8	633
Reading	7	634	83.7	644	.	.	.	.	.	.	638	88.0	646	636	90.4	646	639	88.3	644	636	70.0	645
Reading	8	648	70.6	653	.	.	.	.	.	.	648	77.4	653	647	77.5	652	643	83.7	654	647	61.8	653
Reading	9	660	65.8	665	.	.	.	.	.	.	656	76.4	667	659	74.1	665	661	68.8	666	660	55.0	665
Reading	10	682	70.4	691	.	.	.	.	.	.	683	71.6	693	685	74.2	691	683	73.1	692	683	57.8	691
Spanish Reading	3	519	45.9	522	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	519	45.9	522
Spanish Reading	4	524	52.0	523	.	.	.	.	.	.	513	65.3	524	523	72.0	530	516	50.2	516	524	39.7	524
Writing	3	.	.	.	469	56.0	470	475	65.6	470	.	.	.	.	.	.	.	.	.	469	50.1	470
Writing	4	.	.	.	484	56.3	483	488	65.9	484	.	.	.	.	.	.	.	.	.	483	51.7	483
Writing	5	.	.	.	508	60.5	506	510	63.6	508	.	.	.	.	.	.	.	.	.	507	55.2	507
Writing	6	.	.	.	528	69.8	528	530	71.9	528	.	.	.	.	.	.	.	.	.	527	62.9	528
Writing	7	.	.	.	559	78.3	556	559	80.8	557	.	.	.	.	.	.	.	.	.	557	71.1	556
Writing	8	.	.	.	560	81.1	557	560	85.0	559	.	.	.	.	.	.	.	.	.	558	74.1	558
Writing	9	.	.	.	566	85.3	563	566	87.2	565	.	.	.	.	.	.	.	.	.	563	77.7	564
Writing	10	.	.	.	583	90.2	579	582	92.4	582	.	.	.	.	.	.	.	.	.	580	82.1	582
Spanish Writing	3	.	.	.	507	76.1	505	509	76.6	505	.	.	.	.	.	.	.	.	.	505	67.8	506
Spanish Writing	4	.	.	.	508	46.3	506	514	41.3	513	.	.	.	.	.	.	.	.	.	512	38.9	511
Mathematics	3	468	120.9	455	471	115.8	455	.	.	.	472	113.6	458	.	.	.	463	110.6	464	457	85.7	458
Mathematics	4	499	99.7	497	505	111.8	495	502	111.0	498	496	92.8	496	.	.	.	524	135.6	498	491	78.4	496
Mathematics	5	525	100.4	522	524	102.3	523	526	97.4	522	523	100.3	524	.	.	.	537	117.9	524	519	78.8	523
Mathematics	6	537	97.1	540	545	97.6	541	540	96.4	540	540	95.7	540	.	.	.	548	117.5	539	537	77.0	539
Mathematics	7	558	82.8	560	562	92.5	562	552	89.4	563	552	88.3	560	.	.	.	.	.	.	557	70.9	560
Mathematics	8	558	87.5	571	564	78.1	570	563	82.6	572	563	79.1	570	.	.	.	.	.	.	566	66.1	570
Mathematics	9	558	101.3	577	567	82.4	578	566	84.2	578	565	90.1	576	.	.	.	.	.	.	570	73.9	577
Mathematics	10	581	92.4	593	582	84.5	593	585	82.3	593	579	88.2	591	.	.	.	.	.	.	586	73.1	593
Science	5	555	64.3	558	557	75.1	557	563	81.6	558	557	75.0	558	.	.	.	.	.	.	553	57.7	557
Science	8	503	65.2	509	491	85.3	507	502	73.4	510	503	71.8	509	.	.	.	.	.	.	503	61.5	509
Science	10	504	66.8	512	500	76.2	510	500	73.2	511	504	73.9	513	.	.	.	.	.	.	503	61.5	512

Table 154. Scale Score Descriptive Statistics by Subcontent Area

Content Area	Grade	Subcontent Area 1			2			3			4			5			6			7			8			Total		
		Mean	SD	Median	Mean	SD	Median	Mean	SD	Median	Mean	SD	Median	Mean	SD	Median	Mean	SD	Median	Mean	SD	Median	Mean	SD	Median	Mean	SD	Median
Reading	3	557	94.1	564	555	101.	563	596	141.4	563																555	82.0	563
Reading	4	585	75.5	594	582	99.0	594	652	182.8	604	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	584	70.3	594
Reading	5	612	77.7	619	610	89.7	618	599	155.8	620	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	611	69.5	619
Reading	6	623	84.0	632	622	83.5	634	651	142.6	634	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	624	70.8	633
Reading	7	637	81.0	646	619	126.	646	657	135.1	646	639	100.	644	.	.	.	.	.	.	.	.	.	.	.	.	636	70.0	645
Reading	8	648	79.7	655	647	74.0	653	667	123.2	655	619	129.	654	.	.	.	.	.	.	.	.	.	.	.	.	647	61.8	653
Reading	9	665	95.6	667	658	63.4	666	683	126.9	671	662	82.3	665	.	.	.	.	.	.	.	.	.	.	.	.	660	55.0	665
Reading	10	684	67.3	692	676	85.0	692	706	122.7	697	685	115.	691	.	.	.	.	.	.	.	.	.	.	.	.	683	57.8	691
Spanish Reading	3	518	55.8	524	518	61.9	521	518	70.4	524	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	519	45.9	522
Spanish Reading	4	520	42.3	523	521	58.7	523	537	85.6	528	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	524	39.7	524
Writing	3	.	.	.	.	.	.	.	.	.	.	.	.	471	58.9	472	.	.	.	483	86.7	471	491	97.7	473	469	50.1	470
Writing	4	.	.	.	.	.	.	.	.	.	.	.	.	487	64.6	481	494	87.8	479	493	83.5	485	505	111.2	491	483	51.7	483
Writing	5	.	.	.	.	.	.	.	.	.	.	.	.	509	65.9	507	530	112.9	538	512	73.2	509	515	93.1	510	507	55.2	507
Writing	6	.	.	.	.	.	.	.	.	.	.	.	.	530	80.0	527	539	104.0	600	531	83.4	529	533	93.8	529	527	62.9	528
Writing	7	.	.	.	.	.	.	.	.	.	.	.	.	561	88.8	555	573	105.0	648	562	93.9	558	563	102.8	558	557	71.1	556
Writing	8	.	.	.	.	.	.	.	.	.	.	.	.	563	94.0	559	577	119.5	601	560	100.6	559	571	116.9	560	558	74.1	558
Writing	9	.	.	.	.	.	.	.	.	.	.	.	.	569	97.4	564	580	124.1	635	566	108.6	566	568	106.2	564	563	77.7	564
Writing	10	.	.	.	.	.	.	.	.	.	.	.	.	586	104.9	579	594	123.2	649	582	104.3	585	582	134.1	584	580	82.1	582
Spanish Writing	3	.	.	.	.	.	.	.	.	.	.	.	.	520	96.6	523	.	.	.	515	90.5	508	516	115.3	508	505	67.8	506
Spanish Writing	4	.	.	.	.	.	.	.	.	.	.	.	.	507	53.4	503	513	79.9	491	514	56.6	511	496	83.3	511	512	38.9	511
Mathematics	3	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	457	85.7	458
Mathematics	4	498	98.4	496	508	116.	496	516	133.7	498	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	491	78.4	496
Mathematics	5	524	97.7	523	530	115.	524	534	112.6	523	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	519	78.8	523
Mathematics	6	538	91.8	537	547	101.	541	540	109.3	541	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	537	77.0	539
Mathematics	7	563	122.	560	542	112.	560	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	557	70.9	560
Mathematics	8	563	81.4	566	558	89.0	571	555	93.9	572	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	566	66.1	570
Mathematics	9	566	84.8	578	563	92.5	573	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	570	73.9	577
Mathematics	10	587	86.1	595	573	118.	587	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	586	73.1	593
Science	5	562	78.2	558	554	75.5	557	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	553	57.7	557
Science	8	503	77.4	509	509	77.7	510	494	98.6	507	466	117.	510	503	76.8	509	.	.	.	.	.	.	.	.	.	503	61.5	509
Science	10	507	72.4	512	505	79.2	512	494	93.7	509	503	103.	511	507	87.9	512	.	.	.	.	.	.	.	.	.	503	61.5	512

Table 155. Raw Score Descriptive Statistics by Content Standard

		Content Standard																											
		1				2				3				4				5				6				Total			
Content Area	Grade	Mean	SD	Median	Mean % of Max.	Mean	SD	Median	Mean % of Max.	Mean	SD	Median	Mean % of Max.	Mean	SD	Median	Mean % of Max.	Mean	SD	Median	Mean % of Max.	Mean	SD	Median	Mean % of Max.	Mean	SD	Median	Mean % of Max.
Reading	3	34	9.6	36	64.9	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	34	9.6	36	64.9
Reading	4	24	6.4	25	63.8	.	.	.	.	.	.	.	.	9	3.6	10	52.3	11	3.6	12	62.5	12	3.4	12	64	56	15.5	59	61.3
Reading	5	19	6.1	19	60.1	.	.	.	.	.	.	.	.	13	4.0	14	66.6	13	4.2	14	66	13	4.0	14	63.6	58	16.7	61	63.6
Reading	6	18	5.9	18	56.6	.	.	.	.	.	.	.	.	13	4.3	14	66.7	11	4.0	11	55.1	11	4.0	11	54.3	53	16.5	55	58
Reading	7	17	6.2	18	55.3	.	.	.	.	.	.	.	.	13	4.0	14	63.8	12	4.1	12	59.8	12	4.2	13	59.8	54	16.8	56	59.2
Reading	8	20	5.7	21	64.8	.	.	.	.	.	.	.	.	12	4.2	13	60.3	12	3.9	12	60.4	11	3.9	11	53.7	55	16.2	57	60.4
Reading	9	20	6.6	21	62.2	.	.	.	.	.	.	.	.	12	3.9	12	55.2	12	4.1	13	59.4	12	4.2	13	58.7	56	17.1	59	59.3
Reading	10	17	6.4	18	53.6	.	.	.	.	.	.	.	.	13	4.4	14	60	13	4.1	13	62.2	11	3.7	11	55.4	54	17.1	56	57.3
Spanish Reading	3	30	9.8	31	57.4	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	30	9.8	31	57.4
Spanish Reading	4	22	7.2	22	58.5	.	.	.	.	.	.	.	.	9	3.7	9	48	9	3.5	9	50.9	8	3.0	8	44.5	47	15.6	47	52.2
Writing	3	.	.	.	.	17	3.8	17	69.7	25	5.6	27	78.5	.	.	.	.	.	.	.	.	.	.	.	.	42	8.9	44	74.7
Writing	4	.	.	.	.	25	5.3	25	68.5	25	5.8	27	76.4	.	.	.	.	.	.	.	.	.	.	.	.	50	10.5	52	72.2
Writing	5	.	.	.	.	24	5.5	25	66.5	23	5.8	25	71.3	.	.	.	.	.	.	.	.	.	.	.	.	47	10.7	49	68.8
Writing	6	.	.	.	.	24	5.2	25	66.7	22	5.8	23	68.2	.	.	.	.	.	.	.	.	.	.	.	.	46	10.3	48	67.4
Writing	7	.	.	.	.	25	5.4	26	69.3	22	5.9	23	66.1	.	.	.	.	.	.	.	.	.	.	.	.	47	10.6	49	67.7
Writing	8	.	.	.	.	25	5.6	26	69.4	22	5.9	23	67.6	.	.	.	.	.	.	.	.	.	.	.	.	47	10.8	49	68.5
Writing	9	.	.	.	.	24	5.8	25	68	20	6.1	20	61.5	.	.	.	.	.	.	.	.	.	.	.	.	44	11.3	46	65
Writing	10	.	.	.	.	25	5.5	26	69.4	20	6.6	21	61.7	.	.	.	.	.	.	.	.	.	.	.	.	45	11.4	47	65.7
Spanish Writing	3	.	.	.	.	16	4.4	17	68.1	24	5.6	24	73.6	.	.	.	.	.	.	.	.	.	.	.	.	40	9.3	42	71.2
Spanish Writing	4	.	.	.	.	18	5.1	18	52.7	19	5.9	19	54.6	.	.	.	.	.	.	.	.	.	.	.	.	37	10.1	37	53.7
Mathematics	3	7	2.3	7	68.2	10	2.7	10	74.7	.	.	.	.	13	3.0	14	78.4	.	.	.	.	7	2.1	7	67.4	37	8.9	38	73.2
Mathematics	4	13	3.6	14	70.9	12	3.5	13	72	10	2.9	10	68.6	20	5.5	21	69.5	.	.	.	.	14	3.2	14	79.9	69	16.7	73	72
Mathematics	5	13	3.9	13	68.2	12	4.5	13	64.5	13	3.9	14	69.1	13	4.6	14	64	.	.	.	.	14	3.6	15	76	65	18.5	69	68.2
Mathematics	6	9	4.4	8	51.8	12	3.2	12	68.6	12	3.8	12	64	14	5.0	14	62.8	.	.	.	.	8	3.0	8	64.3	54	17.4	55	62.2
Mathematics	7	14	5.6	14	55.3	10	3.5	11	61	9	3.7	8	47.6	12	5.9	12	47.3	.	.	.	.	.	.	.	.	45	17.1	44	52.4
Mathematics	8	9	4.8	8	40.6	11	4.6	11	50.9	9	4.0	9	51.7	13	5.3	12	48.3	.	.	.	.	.	.	.	.	41	17.3	40	47.6
Mathematics	9	7	3.9	6	37	10	5.4	10	40	9	4.2	9	41.6	9	4.1	8	41.3	.	.	.	.	.	.	.	.	35	16.0	32	40.1
Mathematics	10	7	3.3	6	40.9	11	6.3	10	42.9	10	4.2	9	45	7	3.5	6	31.4	.	.	.	.	.	.	.	.	34	15.7	32	40.1
Science	5	24	6.9	26	67.5	10	2.7	10	65.3	14	2.8	14	76.5	11	3.1	12	67.4	.	.	.	.	.	.	.	.	59	13.9	62	69
Science	8	24	7.8	25	60.5	8	3.9	7	39.4	10	3.2	10	50.7	9	3.6	9	49.6	.	.	.	.	.	.	.	.	51	16.4	51	52.1
Science	10	23	7.5	24	59.8	10	4.5	10	48	9	3.6	9	44.7	11	4.0	12	53.1	.	.	.	.	.	.	.	.	53	17.6	54	52.9

Table 156. Raw Score Descriptive Statistics by Subcontent Area

		Subcontent Area															
		1				2				3				4			
Content Area	Grade	Mean	SD	Median	Mean % of Max.	Mean	SD	Median	Mean % of Max.	Mean	SD	Median	Mean % of Max.	Mean	SD	Median	Mean % of Max.
Reading	3	12	4.1	13	62	13	4.2	14	61.4	8	2.3	8	78.1	.	.	.	.
Reading	4	25	7.5	27	58	11	3.7	12	58.6	8	2.1	9	79.1	.	.	.	.
Reading	5	24	7	26	65.4	15	5	15	61	6	2.3	6	58.8	.	.	.	.
Reading	6	13	4.8	13	53.9	21	6.9	22	58.5	8	2.5	8	70.6	.	.	.	.
Reading	7	19	6.3	21	60.7	8	3.3	8	50.2	7	2.3	7	65.9	8	3.1	9	59.4
Reading	8	17	5.5	18	64.5	15	4.8	16	61.5	7	2.2	7	66.7	4	2.1	4	40.9
Reading	9	9	3.1	10	64.5	18	6.8	19	53.8	7	2.1	7	69.5	10	3.4	10	59.9
Reading	10	19	6.1	20	58.4	9	4.5	10	44.9	7	2.1	7	70	6	2.5	6	57.3
Spanish Reading	3	14	5	15	59	9	3.6	9	54.9	7	2.4	7	57.6	.	.	.	.
Spanish Reading	4	18	6.9	18	48	13	4.7	13	53.3	7	2.3	8	66.2	.	.	.	.
Writing	3	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Writing	4	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Writing	5	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Writing	6	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Writing	7	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Writing	8	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Writing	9	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Writing	10	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Spanish Writing	3	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Spanish Writing	4	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Mathematics	3	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Mathematics	4	14	4	15	69.1	11	3.2	11	71.9	8	2.2	9	75.1	.	.	.	.
Mathematics	5	12	3.6	13	68.4	9	3.6	10	64.5	11	3.2	11	71.5	.	.	.	.
Mathematics	6	10	4.7	10	53.4	10	2.9	11	69.7	10	3.9	10	60.6	.	.	.	.
Mathematics	7	6	3.2	6	55.2	5	3	4	37.5	.	.	.	.	.	.	.	.
Mathematics	8	6	2.8	5	45.3	8	4.4	8	40.9	5	2.7	5	38.8	.	.	.	.
Mathematics	9	8	4.4	7	37.9	6	3.5	5	35.4	.	.	.	.	.	.	.	.
Mathematics	10	8	3.7	8	48.5	3	1.6	3	39.3	.	.	.	.	.	.	.	.
Science	5	14	4	15	72	10	3.3	10	62.1	.	.	.	.	.	.	.	.
Science	8	8	3.4	8	54.1	14	4.2	15	67.5	4	2.4	4	40.6	4	2	4	38.2
Science	10	12	3.7	12	60.8	11	4.1	12	59.6	4	2.1	3	39.3	5	2.5	5	51.5

Table 156. Raw Score Descriptive Statistics by Subcontent Area (Concluded)

		Subcontent Area																Total			
		5				6				7				8							
Content Area	Grade	Mean	SD	Median	Mean % of Max.	Mean	SD	Median	Mean % of Max.	Mean	SD	Median	Mean % of Max.	Mean	SD	Median	Mean % of Max.	Mean	SD	Median	Mean % of Max.
Reading	3	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	34	9.6	36	64.9
Reading	4	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	56	16	59	61.3
Reading	5	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	58	17	61	63.6
Reading	6	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	53	17	55	58
Reading	7	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	54	17	56	59.2
Reading	8	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	55	16	57	60.4
Reading	9	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	56	17	59	59.3
Reading	10	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	54	17	56	57.3
Spanish Reading	3	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	30	9.8	31	57.4
Spanish Reading	4	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	47	16	47	52.2
Writing	3	14	3.3	15	71.2	.	.	.	.	11	2.8	12	75.7	11	2.7	12	79.9	42	8.9	44	74.7
Writing	4	13	3.1	14	67.2	8	1.7	8	71.9	17	4.1	18	76.1	7	2	7	73	50	11	52	72.2
Writing	5	14	3.6	14	64.2	8	1.9	9	74.4	15	3.7	16	70.7	9	3.2	10	67.3	47	11	49	68.8
Writing	6	12	2.8	12	64.4	8	1.5	9	73.2	17	4.7	18	69.2	8	2.8	9	63.2	46	10	48	67.4
Writing	7	12	3	12	64.2	8	1.6	9	71.8	14	3.8	15	67.4	11	3.7	12	66.9	47	11	49	67.7
Writing	8	12	3	12	66.4	8	1.5	9	76.3	12	3.7	12	63	11	3.3	12	71.5	47	11	49	68.5
Writing	9	13	3.4	14	66.3	8	2	9	69.8	10	3.5	10	59.5	10	3.4	11	63.5	44	11	46	65
Writing	10	12	3.2	12	64.3	8	1.9	9	70.8	13	4.5	14	61.7	6	2.5	7	58.5	45	11	47	65.7
Spanish Writing	3	11	3.3	12	71.5	.	.	.	.	15	3.6	16	74.7	7	2.4	7	66.7	40	9.3	42	71.2
Spanish Writing	4	9	3.1	8	47.2	6	2.1	6	57.8	11	3.7	11	59.6	6	3	6	46.2	37	10	37	53.7
Mathematics	3	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	37	8.9	38	73.2
Mathematics	4	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	69	17	73	72
Mathematics	5	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	65	19	69	68.2
Mathematics	6	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	54	17	55	62.2
Mathematics	7	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	45	17	44	52.4
Mathematics	8	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	41	17	40	47.6
Mathematics	9	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	35	16	32	40.1
Mathematics	10	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	34	16	32	40.1
Science	5	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	59	14	62	69
Science	8	6	2.7	6	48	.	.	.	.	.	.	.	.	.	.	.	.	51	16	51	52.1
Science	10	7	2.8	7	57.8	.	.	.	.	.	.	.	.	.	.	.	.	53	18	54	52.9

Table 157. Reading 3 Scale Score Distribution

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

SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %
150	495	0.88	495	0.88	**270**	6	0.01	642	1.14	**321**	6	0.01	903	1.61
212	1	0.00	496	0.88	**271**	3	0.01	645	1.15	**322**	6	0.01	909	1.62
213	1	0.00	497	0.88	**272**	9	0.02	654	1.16	**323**	5	0.01	914	1.63
215	4	0.01	501	0.89	**273**	1	0.00	655	1.17	**324**	9	0.02	923	1.64
220	3	0.01	504	0.90	**274**	1	0.00	656	1.17	**325**	4	0.01	927	1.65
221	1	0.00	505	0.90	**275**	9	0.02	665	1.18	**326**	7	0.01	934	1.66
223	2	0.00	507	0.90	**277**	5	0.01	670	1.19	**327**	3	0.01	937	1.67
224	2	0.00	509	0.91	**278**	3	0.01	673	1.20	**328**	10	0.02	947	1.69
225	4	0.01	513	0.91	**279**	9	0.02	682	1.21	**329**	2	0.00	949	1.69
226	1	0.00	514	0.91	**280**	9	0.02	691	1.23	**330**	7	0.01	956	1.70
227	2	0.00	516	0.92	**281**	4	0.01	695	1.24	**331**	3	0.01	959	1.71
228	3	0.01	519	0.92	**282**	4	0.01	699	1.24	**332**	9	0.02	968	1.72
229	1	0.00	520	0.93	**283**	4	0.01	703	1.25	**333**	7	0.01	975	1.73
231	2	0.00	522	0.93	**284**	4	0.01	707	1.26	**334**	9	0.02	984	1.75
233	5	0.01	527	0.94	**285**	2	0.00	709	1.26	**335**	5	0.01	989	1.76
234	3	0.01	530	0.94	**286**	5	0.01	714	1.27	**336**	5	0.01	994	1.77
235	2	0.00	532	0.95	**287**	9	0.02	723	1.29	**337**	11	0.02	1005	1.79
236	2	0.00	534	0.95	**288**	3	0.01	726	1.29	**338**	13	0.02	1018	1.81
237	1	0.00	535	0.95	**289**	6	0.01	732	1.30	**339**	9	0.02	1027	1.83
238	2	0.00	537	0.96	**290**	7	0.01	739	1.32	**340**	14	0.02	1041	1.85
239	2	0.00	539	0.96	**291**	4	0.01	743	1.32	**341**	10	0.02	1051	1.87
240	3	0.01	542	0.96	**292**	3	0.01	746	1.33	**342**	7	0.01	1058	1.88
241	7	0.01	549	0.98	**293**	3	0.01	749	1.33	**343**	7	0.01	1065	1.90
242	4	0.01	553	0.98	**294**	3	0.01	752	1.34	**344**	13	0.02	1078	1.92
243	2	0.00	555	0.99	**295**	3	0.01	755	1.34	**345**	10	0.02	1088	1.94
244	2	0.00	557	0.99	**296**	7	0.01	762	1.36	**346**	6	0.01	1094	1.95
246	3	0.01	560	1.00	**297**	3	0.01	765	1.36	**347**	6	0.01	1100	1.96
247	1	0.00	561	1.00	**298**	4	0.01	769	1.37	**348**	7	0.01	1107	1.97
248	2	0.00	563	1.00	**299**	8	0.01	777	1.38	**349**	12	0.02	1119	1.99
249	3	0.01	566	1.01	**300**	9	0.02	786	1.40	**350**	12	0.02	1131	2.01
250	3	0.01	569	1.01	**301**	2	0.00	788	1.40	**351**	6	0.01	1137	2.02
251	3	0.01	572	1.02	**302**	7	0.01	795	1.41	**352**	15	0.03	1152	2.05
252	2	0.00	574	1.02	**303**	6	0.01	801	1.43	**353**	15	0.03	1167	2.08
253	2	0.00	576	1.02	**304**	4	0.01	805	1.43	**354**	11	0.02	1178	2.10
254	4	0.01	580	1.03	**305**	3	0.01	808	1.44	**355**	12	0.02	1190	2.12
255	4	0.01	584	1.04	**306**	7	0.01	815	1.45	**356**	13	0.02	1203	2.14
256	3	0.01	587	1.04	**307**	3	0.01	818	1.46	**357**	11	0.02	1214	2.16
257	5	0.01	592	1.05	**308**	3	0.01	821	1.46	**358**	12	0.02	1226	2.18
258	2	0.00	594	1.06	**309**	4	0.01	825	1.47	**359**	15	0.03	1241	2.21
259	6	0.01	600	1.07	**310**	4	0.01	829	1.48	**360**	19	0.03	1260	2.24
260	2	0.00	602	1.07	**311**	11	0.02	840	1.49	**361**	13	0.02	1273	2.27
261	3	0.01	605	1.08	**312**	6	0.01	846	1.51	**362**	9	0.02	1282	2.28
262	3	0.01	608	1.08	**313**	10	0.02	856	1.52	**363**	15	0.03	1297	2.31
263	3	0.01	611	1.09	**314**	3	0.01	859	1.53	**364**	11	0.02	1308	2.33
264	4	0.01	615	1.09	**315**	4	0.01	863	1.54	**365**	9	0.02	1317	2.34
265	6	0.01	621	1.11	**316**	6	0.01	869	1.55	**366**	15	0.03	1332	2.37
266	7	0.01	628	1.12	**317**	5	0.01	874	1.56	**367**	9	0.02	1341	2.39
267	1	0.00	629	1.12	**318**	6	0.01	880	1.57	**368**	23	0.04	1364	2.43
268	2	0.00	631	1.12	**319**	7	0.01	887	1.58	**369**	16	0.03	1380	2.46
269	5	0.01	636	1.13	**320**	10	0.02	897	1.60	**370**	14	0.02	1394	2.48

Table 157. Reading 3 Scale Score Distribution (Continued)

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

SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %
371	10	0.02	1404	2.50	**421**	35	0.06	2729	4.86	**471**	99	0.18	6144	10.93
372	15	0.03	1419	2.53	**422**	33	0.06	2762	4.91	**472**	110	0.20	6254	11.13
373	17	0.03	1436	2.56	**423**	39	0.07	2801	4.98	**473**	119	0.21	6373	11.34
374	28	0.05	1464	2.61	**424**	53	0.09	2854	5.08	**474**	107	0.19	6480	11.53
375	12	0.02	1476	2.63	**425**	56	0.10	2910	5.18	**475**	126	0.22	6606	11.76
376	14	0.02	1490	2.65	**426**	47	0.08	2957	5.26	**476**	116	0.21	6722	11.96
377	21	0.04	1511	2.69	**427**	36	0.06	2993	5.33	**477**	125	0.22	6847	12.18
378	23	0.04	1534	2.73	**428**	51	0.09	3044	5.42	**478**	129	0.23	6976	12.41
379	14	0.02	1548	2.75	**429**	40	0.07	3084	5.49	**479**	104	0.19	7080	12.60
380	13	0.02	1561	2.78	**430**	47	0.08	3131	5.57	**480**	142	0.25	7222	12.85
381	20	0.04	1581	2.81	**431**	45	0.08	3176	5.65	**481**	145	0.26	7367	13.11
382	18	0.03	1599	2.85	**432**	57	0.10	3233	5.75	**482**	136	0.24	7503	13.35
383	16	0.03	1615	2.87	**433**	50	0.09	3283	5.84	**483**	130	0.23	7633	13.58
384	13	0.02	1628	2.90	**434**	54	0.10	3337	5.94	**484**	128	0.23	7761	13.81
385	26	0.05	1654	2.94	**435**	51	0.09	3388	6.03	**485**	109	0.19	7870	14.00
386	22	0.04	1676	2.98	**436**	58	0.10	3446	6.13	**486**	118	0.21	7988	14.21
387	32	0.06	1708	3.04	**437**	46	0.08	3492	6.21	**487**	147	0.26	8135	14.48
388	16	0.03	1724	3.07	**438**	61	0.11	3553	6.32	**488**	129	0.23	8264	14.71
389	14	0.02	1738	3.09	**439**	55	0.10	3608	6.42	**489**	149	0.27	8413	14.97
390	23	0.04	1761	3.13	**440**	57	0.10	3665	6.52	**490**	174	0.31	8587	15.28
391	30	0.05	1791	3.19	**441**	61	0.11	3726	6.63	**491**	144	0.26	8731	15.54
392	24	0.04	1815	3.23	**442**	71	0.13	3797	6.76	**492**	156	0.28	8887	15.81
393	22	0.04	1837	3.27	**443**	60	0.11	3857	6.86	**493**	183	0.33	9070	16.14
394	25	0.04	1862	3.31	**444**	57	0.10	3914	6.96	**494**	138	0.25	9208	16.39
395	29	0.05	1891	3.37	**445**	64	0.11	3978	7.08	**495**	158	0.28	9366	16.67
396	20	0.04	1911	3.40	**446**	71	0.13	4049	7.21	**496**	175	0.31	9541	16.98
397	23	0.04	1934	3.44	**447**	69	0.12	4118	7.33	**497**	178	0.32	9719	17.29
398	30	0.05	1964	3.49	**448**	55	0.10	4173	7.43	**498**	186	0.33	9905	17.63
399	31	0.06	1995	3.55	**449**	56	0.10	4229	7.53	**499**	163	0.29	10068	17.92
400	25	0.04	2020	3.59	**450**	69	0.12	4298	7.65	**500**	183	0.33	10251	18.24
401	34	0.06	2054	3.66	**451**	75	0.13	4373	7.78	**501**	187	0.33	10438	18.57
402	24	0.04	2078	3.70	**452**	68	0.12	4441	7.90	**502**	200	0.36	10638	18.93
403	40	0.07	2118	3.77	**453**	63	0.11	4504	8.01	**503**	207	0.37	10845	19.30
404	28	0.05	2146	3.82	**454**	71	0.13	4575	8.14	**504**	194	0.35	11039	19.64
405	34	0.06	2180	3.88	**455**	91	0.16	4666	8.30	**505**	212	0.38	11251	20.02
406	24	0.04	2204	3.92	**456**	96	0.17	4762	8.47	**506**	209	0.37	11460	20.39
407	30	0.05	2234	3.98	**457**	79	0.14	4841	8.61	**507**	219	0.39	11679	20.78
408	27	0.05	2261	4.02	**458**	77	0.14	4918	8.75	**508**	224	0.40	11903	21.18
409	37	0.07	2298	4.09	**459**	86	0.15	5004	8.90	**509**	197	0.35	12100	21.53
410	29	0.05	2327	4.14	**460**	73	0.13	5077	9.03	**510**	225	0.40	12325	21.93
411	38	0.07	2365	4.21	**461**	96	0.17	5173	9.21	**511**	215	0.38	12540	22.31
412	30	0.05	2395	4.26	**462**	89	0.16	5262	9.36	**512**	210	0.37	12750	22.69
413	31	0.06	2426	4.32	**463**	83	0.15	5345	9.51	**513**	218	0.39	12968	23.08
414	32	0.06	2458	4.37	**464**	88	0.16	5433	9.67	**514**	223	0.40	13191	23.47
415	56	0.10	2514	4.47	**465**	94	0.17	5527	9.84	**515**	239	0.43	13430	23.90
416	35	0.06	2549	4.54	**466**	95	0.17	5622	10.00	**516**	223	0.40	13653	24.30
417	32	0.06	2581	4.59	**467**	107	0.19	5729	10.19	**517**	249	0.44	13902	24.74
418	41	0.07	2622	4.67	**468**	94	0.17	5823	10.36	**518**	239	0.43	14141	25.16
419	33	0.06	2655	4.72	**469**	115	0.20	5938	10.57	**519**	263	0.47	14404	25.63
420	39	0.07	2694	4.79	**470**	107	0.19	6045	10.76	**520**	276	0.49	14680	26.12

Table 157. Reading 3 Scale Score Distribution (Continued)

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

SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %
521	279	0.50	14959	26.62	**568**	355	0.63	30182	53.71	**615**	268	0.48	45198	80.43
522	271	0.48	15230	27.10	**569**	368	0.65	30550	54.36	**616**	252	0.45	45450	80.88
523	259	0.46	15489	27.56	**570**	327	0.58	30877	54.95	**617**	227	0.40	45677	81.28
524	275	0.49	15764	28.05	**571**	358	0.64	31235	55.58	**618**	244	0.43	45921	81.72
525	278	0.49	16042	28.55	**572**	350	0.62	31585	56.21	**619**	241	0.43	46162	82.14
526	263	0.47	16305	29.01	**573**	342	0.61	31927	56.81	**620**	253	0.45	46415	82.59
527	270	0.48	16575	29.49	**574**	324	0.58	32251	57.39	**621**	245	0.44	46660	83.03
528	295	0.52	16870	30.02	**575**	345	0.61	32596	58.00	**622**	227	0.40	46887	83.43
529	273	0.49	17143	30.51	**576**	376	0.67	32972	58.67	**623**	223	0.40	47110	83.83
530	310	0.55	17453	31.06	**577**	343	0.61	33315	59.28	**624**	200	0.36	47310	84.19
531	286	0.51	17739	31.57	**578**	351	0.62	33666	59.91	**625**	206	0.37	47516	84.55
532	293	0.52	18032	32.09	**579**	393	0.70	34059	60.61	**626**	194	0.35	47710	84.90
533	269	0.48	18301	32.57	**580**	347	0.62	34406	61.22	**627**	243	0.43	47953	85.33
534	319	0.57	18620	33.13	**581**	351	0.62	34757	61.85	**628**	219	0.39	48172	85.72
535	287	0.51	18907	33.64	**582**	293	0.52	35050	62.37	**629**	193	0.34	48365	86.06
536	321	0.57	19228	34.22	**583**	347	0.62	35397	62.99	**630**	178	0.32	48543	86.38
537	299	0.53	19527	34.75	**584**	335	0.60	35732	63.58	**631**	203	0.36	48746	86.74
538	334	0.59	19861	35.34	**585**	378	0.67	36110	64.26	**632**	190	0.34	48936	87.08
539	304	0.54	20165	35.88	**586**	315	0.56	36425	64.82	**633**	188	0.33	49124	87.42
540	337	0.60	20502	36.48	**587**	353	0.63	36778	65.45	**634**	159	0.28	49283	87.70
541	317	0.56	20819	37.05	**588**	335	0.60	37113	66.04	**635**	164	0.29	49447	87.99
542	323	0.57	21142	37.62	**589**	332	0.59	37445	66.63	**636**	185	0.33	49632	88.32
543	335	0.60	21477	38.22	**590**	314	0.56	37759	67.19	**637**	170	0.30	49802	88.62
544	309	0.55	21786	38.77	**591**	325	0.58	38084	67.77	**638**	140	0.25	49942	88.87
545	308	0.55	22094	39.32	**592**	366	0.65	38450	68.42	**639**	146	0.26	50088	89.13
546	313	0.56	22407	39.87	**593**	317	0.56	38767	68.99	**640**	154	0.27	50242	89.40
547	349	0.62	22756	40.49	**594**	321	0.57	39088	69.56	**641**	142	0.25	50384	89.66
548	329	0.59	23085	41.08	**595**	321	0.57	39409	70.13	**642**	161	0.29	50545	89.94
549	355	0.63	23440	41.71	**596**	327	0.58	39736	70.71	**643**	148	0.26	50693	90.21
550	342	0.61	23782	42.32	**597**	312	0.56	40048	71.26	**644**	150	0.27	50843	90.47
551	376	0.67	24158	42.99	**598**	308	0.55	40356	71.81	**645**	149	0.27	50992	90.74
552	348	0.62	24506	43.61	**599**	279	0.50	40635	72.31	**646**	114	0.20	51106	90.94
553	304	0.54	24810	44.15	**600**	289	0.51	40924	72.82	**647**	135	0.24	51241	91.18
554	333	0.59	25143	44.74	**601**	305	0.54	41229	73.37	**648**	128	0.23	51369	91.41
555	375	0.67	25518	45.41	**602**	311	0.55	41540	73.92	**649**	147	0.26	51516	91.67
556	347	0.62	25865	46.03	**603**	317	0.56	41857	74.48	**650**	149	0.27	51665	91.94
557	376	0.67	26241	46.70	**604**	313	0.56	42170	75.04	**651**	120	0.21	51785	92.15
558	362	0.64	26603	47.34	**605**	308	0.55	42478	75.59	**652**	136	0.24	51921	92.39
559	353	0.63	26956	47.97	**606**	298	0.53	42776	76.12	**653**	116	0.21	52037	92.60
560	373	0.66	27329	48.63	**607**	318	0.57	43094	76.69	**654**	120	0.21	52157	92.81
561	360	0.64	27689	49.27	**608**	271	0.48	43365	77.17	**655**	129	0.23	52286	93.04
562	375	0.67	28064	49.94	**609**	259	0.46	43624	77.63	**656**	117	0.21	52403	93.25
563	375	0.67	28439	50.61	**610**	286	0.51	43910	78.14	**657**	115	0.20	52518	93.46
564	364	0.65	28803	51.25	**611**	243	0.43	44153	78.57	**658**	98	0.17	52616	93.63
565	325	0.58	29128	51.83	**612**	267	0.48	44420	79.04	**659**	91	0.16	52707	93.79
566	350	0.62	29478	52.46	**613**	262	0.47	44682	79.51	**660**	95	0.17	52802	93.96
567	349	0.62	29827	53.08	**614**	248	0.44	44930	79.95	**661**	104	0.19	52906	94.15

Table 157. Reading 3 Scale Score Distribution (Concluded)

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

SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %
662	89	0.16	52995	94.30	**712**	20	0.04	55435	98.65	**763**	10	0.02	55970	99.60
663	105	0.19	53100	94.49	**713**	8	0.01	55443	98.66	**764**	3	0.01	55973	99.60
664	79	0.14	53179	94.63	**714**	13	0.02	55456	98.68	**765**	6	0.01	55979	99.61
665	89	0.16	53268	94.79	**715**	11	0.02	55467	98.70	**766**	11	0.02	55990	99.63
666	79	0.14	53347	94.93	**716**	29	0.05	55496	98.75	**767**	23	0.04	56013	99.67
667	76	0.14	53423	95.07	**717**	19	0.03	55515	98.79	**770**	1	0.00	56014	99.68
668	66	0.12	53489	95.18	**718**	19	0.03	55534	98.82	**771**	1	0.00	56015	99.68
669	61	0.11	53550	95.29	**719**	20	0.04	55554	98.86	**772**	1	0.00	56016	99.68
670	105	0.19	53655	95.48	**720**	7	0.01	55561	98.87	**773**	2	0.00	56018	99.68
671	72	0.13	53727	95.61	**721**	13	0.02	55574	98.89	**774**	8	0.01	56026	99.70
672	60	0.11	53787	95.71	**722**	21	0.04	55595	98.93	**775**	8	0.01	56034	99.71
673	80	0.14	53867	95.86	**723**	16	0.03	55611	98.96	**779**	2	0.00	56036	99.72
674	70	0.12	53937	95.98	**724**	31	0.06	55642	99.01	**781**	1	0.00	56037	99.72
675	48	0.09	53985	96.07	**725**	10	0.02	55652	99.03	**782**	2	0.00	56039	99.72
676	69	0.12	54054	96.19	**726**	16	0.03	55668	99.06	**784**	2	0.00	56041	99.72
677	42	0.07	54096	96.26	**727**	9	0.02	55677	99.08	**785**	2	0.00	56043	99.73
678	73	0.13	54169	96.39	**728**	11	0.02	55688	99.10	**786**	3	0.01	56046	99.73
679	56	0.10	54225	96.49	**729**	12	0.02	55700	99.12	**789**	6	0.01	56052	99.74
680	44	0.08	54269	96.57	**730**	17	0.03	55717	99.15	**792**	7	0.01	56059	99.76
681	69	0.12	54338	96.69	**731**	20	0.04	55737	99.18	**794**	1	0.00	56060	99.76
682	52	0.09	54390	96.79	**732**	22	0.04	55759	99.22	**795**	136	0.24	56196	100.00
683	55	0.10	54445	96.88	**733**	6	0.01	55765	99.23					
684	54	0.10	54499	96.98	**734**	5	0.01	55770	99.24					
685	36	0.06	54535	97.04	**735**	13	0.02	55783	99.27					
686	56	0.10	54591	97.14	**736**	7	0.01	55790	99.28					
687	38	0.07	54629	97.21	**737**	12	0.02	55802	99.30					
688	35	0.06	54664	97.27	**738**	9	0.02	55811	99.31					
689	34	0.06	54698	97.33	**739**	1	0.00	55812	99.32					
690	37	0.07	54735	97.40	**740**	7	0.01	55819	99.33					
691	39	0.07	54774	97.47	**741**	6	0.01	55825	99.34					
692	50	0.09	54824	97.56	**742**	8	0.01	55833	99.35					
693	33	0.06	54857	97.62	**743**	5	0.01	55838	99.36					
694	32	0.06	54889	97.67	**744**	12	0.02	55850	99.38					
695	35	0.06	54924	97.74	**745**	1	0.00	55851	99.39					
696	43	0.08	54967	97.81	**746**	7	0.01	55858	99.40					
697	48	0.09	55015	97.90	**747**	6	0.01	55864	99.41					
698	22	0.04	55037	97.94	**748**	7	0.01	55871	99.42					
699	45	0.08	55082	98.02	**749**	4	0.01	55875	99.43					
700	17	0.03	55099	98.05	**750**	1	0.00	55876	99.43					
701	19	0.03	55118	98.08	**751**	3	0.01	55879	99.44					
702	27	0.05	55145	98.13	**752**	17	0.03	55896	99.47					
703	30	0.05	55175	98.18	**753**	37	0.07	55933	99.53					
704	48	0.09	55223	98.27	**754**	6	0.01	55939	99.54					
705	23	0.04	55246	98.31	**755**	1	0.00	55940	99.54					
706	30	0.05	55276	98.36	**756**	6	0.01	55946	99.56					
707	18	0.03	55294	98.39	**757**	1	0.00	55947	99.56					
708	27	0.05	55321	98.44	**758**	9	0.02	55956	99.57					
709	37	0.07	55358	98.51	**759**	2	0.00	55958	99.58					
710	43	0.08	55401	98.59	**760**	1	0.00	55959	99.58					
711	14	0.02	55415	98.61	**761**	1	0.00	55960	99.58					

Table 158. Spanish Reading 3 Scale Score Distribution

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

SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %
300	12	0.76	12	0.76	**461**	3	0.19	136	8.65	**511**	15	0.95	622	39.57
381	1	0.06	13	0.83	**462**	8	0.51	144	9.16	**512**	16	1.02	638	40.59
387	1	0.06	14	0.89	**463**	2	0.13	146	9.29	**513**	10	0.64	648	41.22
391	1	0.06	15	0.95	**464**	8	0.51	154	9.80	**514**	16	1.02	664	42.24
392	1	0.06	16	1.02	**465**	9	0.57	163	10.37	**515**	26	1.65	690	43.89
397	2	0.13	18	1.15	**466**	7	0.45	170	10.81	**516**	13	0.83	703	44.72
400	1	0.06	19	1.21	**467**	6	0.38	176	11.20	**517**	13	0.83	716	45.55
401	3	0.19	22	1.40	**468**	5	0.32	181	11.51	**518**	20	1.27	736	46.82
404	1	0.06	23	1.46	**469**	7	0.45	188	11.96	**519**	14	0.89	750	47.71
406	1	0.06	24	1.53	**470**	8	0.51	196	12.47	**520**	16	1.02	766	48.73
407	1	0.06	25	1.59	**471**	9	0.57	205	13.04	**521**	15	0.95	781	49.68
409	3	0.19	28	1.78	**472**	9	0.57	214	13.61	**522**	13	0.83	794	50.51
411	1	0.06	29	1.84	**473**	8	0.51	222	14.12	**523**	14	0.89	808	51.40
415	1	0.06	30	1.91	**474**	8	0.51	230	14.63	**524**	13	0.83	821	52.23
416	1	0.06	31	1.97	**475**	8	0.51	238	15.14	**525**	18	1.15	839	53.37
417	2	0.13	33	2.10	**476**	4	0.25	242	15.39	**526**	12	0.76	851	54.13
422	3	0.19	36	2.29	**477**	8	0.51	250	15.90	**527**	19	1.21	870	55.34
423	2	0.13	38	2.42	**478**	13	0.83	263	16.73	**528**	18	1.15	888	56.49
425	2	0.13	40	2.54	**479**	1	0.06	264	16.79	**529**	16	1.02	904	57.51
427	2	0.13	42	2.67	**480**	13	0.83	277	17.62	**530**	19	1.21	923	58.72
428	1	0.06	43	2.74	**481**	10	0.64	287	18.26	**531**	18	1.15	941	59.86
429	2	0.13	45	2.86	**482**	14	0.89	301	19.15	**532**	18	1.15	959	61.01
430	1	0.06	46	2.93	**483**	8	0.51	309	19.66	**533**	14	0.89	973	61.90
431	1	0.06	47	2.99	**484**	3	0.19	312	19.85	**534**	16	1.02	989	62.91
433	3	0.19	50	3.18	**485**	14	0.89	326	20.74	**535**	14	0.89	1003	63.80
434	1	0.06	51	3.24	**486**	9	0.57	335	21.31	**536**	10	0.64	1013	64.44
437	3	0.19	54	3.44	**487**	8	0.51	343	21.82	**537**	14	0.89	1027	65.33
438	3	0.19	57	3.63	**488**	12	0.76	355	22.58	**538**	13	0.83	1040	66.16
439	1	0.06	58	3.69	**489**	6	0.38	361	22.96	**539**	11	0.70	1051	66.86
440	2	0.13	60	3.82	**490**	9	0.57	370	23.54	**540**	16	1.02	1067	67.88
441	1	0.06	61	3.88	**491**	7	0.45	377	23.98	**541**	8	0.51	1075	68.38
442	3	0.19	64	4.07	**492**	6	0.38	383	24.36	**542**	18	1.15	1093	69.53
443	2	0.13	66	4.20	**493**	7	0.45	390	24.81	**543**	15	0.95	1108	70.48
444	3	0.19	69	4.39	**494**	13	0.83	403	25.64	**544**	19	1.21	1127	71.69
445	2	0.13	71	4.52	**495**	15	0.95	418	26.59	**545**	18	1.15	1145	72.84
446	2	0.13	73	4.64	**496**	12	0.76	430	27.35	**546**	11	0.70	1156	73.54
447	2	0.13	75	4.77	**497**	17	1.08	447	28.44	**547**	8	0.51	1164	74.05
448	5	0.32	80	5.09	**498**	15	0.95	462	29.39	**548**	16	1.02	1180	75.06
449	7	0.45	87	5.53	**499**	16	1.02	478	30.41	**549**	17	1.08	1197	76.15
450	2	0.13	89	5.66	**500**	8	0.51	486	30.92	**550**	11	0.70	1208	76.84
451	3	0.19	92	5.85	**501**	9	0.57	495	31.49	**551**	16	1.02	1224	77.86
452	5	0.32	97	6.17	**502**	9	0.57	504	32.06	**552**	9	0.57	1233	78.44
453	3	0.19	100	6.36	**503**	9	0.57	513	32.63	**553**	13	0.83	1246	79.26
454	4	0.25	104	6.62	**504**	13	0.83	526	33.46	**554**	24	1.53	1270	80.79
455	2	0.13	106	6.74	**505**	8	0.51	534	33.97	**555**	11	0.70	1281	81.49
456	7	0.45	113	7.19	**506**	13	0.83	547	34.80	**556**	7	0.45	1288	81.93
457	6	0.38	119	7.57	**507**	15	0.95	562	35.75	**557**	11	0.70	1299	82.63
458	5	0.32	124	7.89	**508**	19	1.21	581	36.96	**558**	14	0.89	1313	83.52
459	4	0.25	128	8.14	**509**	16	1.02	597	37.98	**559**	5	0.32	1318	83.84
460	5	0.32	133	8.46	**510**	10	0.64	607	38.61	**560**	7	0.45	1325	84.29

Table 158. Spanish Reading 3 Scale Score Distribution (Concluded)

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

SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %
561	10	0.64	1335	84.92	**619**	2	0.13	1561	99.30
562	7	0.45	1342	85.37	**620**	1	0.06	1562	99.36
563	5	0.32	1347	85.69	**621**	1	0.06	1563	99.43
564	8	0.51	1355	86.20	**624**	1	0.06	1564	99.49
565	10	0.64	1365	86.83	**627**	3	0.19	1567	99.68
566	9	0.57	1374	87.40	**629**	1	0.06	1568	99.75
567	11	0.70	1385	88.10	**631**	1	0.06	1569	99.81
568	6	0.38	1391	88.49	**649**	1	0.06	1570	99.87
569	7	0.45	1398	88.93	**654**	1	0.06	1571	99.94
570	8	0.51	1406	89.44	**669**	1	0.06	1572	100.00
571	12	0.76	1418	90.20					
572	4	0.25	1422	90.46					
573	3	0.19	1425	90.65					
574	8	0.51	1433	91.16					
575	2	0.13	1435	91.28					
576	6	0.38	1441	91.67					
577	8	0.51	1449	92.18					
578	5	0.32	1454	92.49					
579	5	0.32	1459	92.81					
580	4	0.25	1463	93.07					
581	7	0.45	1470	93.51					
582	4	0.25	1474	93.77					
584	4	0.25	1478	94.02					
585	6	0.38	1484	94.40					
586	4	0.25	1488	94.66					
587	3	0.19	1491	94.85					
588	3	0.19	1494	95.04					
589	5	0.32	1499	95.36					
590	6	0.38	1505	95.74					
591	4	0.25	1509	95.99					
592	4	0.25	1513	96.25					
593	3	0.19	1516	96.44					
594	2	0.13	1518	96.56					
595	4	0.25	1522	96.82					
596	4	0.25	1526	97.07					
597	2	0.13	1528	97.20					
598	2	0.13	1530	97.33					
600	2	0.13	1532	97.46					
601	2	0.13	1534	97.58					
603	3	0.19	1537	97.77					
604	3	0.19	1540	97.96					
605	2	0.13	1542	98.09					
606	2	0.13	1544	98.22					
607	3	0.19	1547	98.41					
609	2	0.13	1549	98.54					
610	1	0.06	1550	98.60					
613	3	0.19	1553	98.79					
615	1	0.06	1554	98.85					
616	3	0.19	1557	99.05					
618	2	0.13	1559	99.17					

Table 159. Writing 3 Scale Score Distribution

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

SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %
150	117	0.21	117	0.21	**303**	4	0.01	235	0.42	**353**	11	0.02	756	1.34
230	2	0.00	119	0.21	**304**	2	0.00	237	0.42	**354**	22	0.04	778	1.38
235	1	0.00	120	0.21	**305**	2	0.00	239	0.42	**355**	29	0.05	807	1.43
236	1	0.00	121	0.22	**306**	5	0.01	244	0.43	**356**	33	0.06	840	1.49
237	3	0.01	124	0.22	**307**	3	0.01	247	0.44	**357**	26	0.05	866	1.54
238	1	0.00	125	0.22	**308**	1	0.00	248	0.44	**358**	29	0.05	895	1.59
239	3	0.01	128	0.23	**309**	3	0.01	251	0.45	**359**	25	0.04	920	1.64
240	1	0.00	129	0.23	**310**	2	0.00	253	0.45	**360**	35	0.06	955	1.70
241	1	0.00	130	0.23	**311**	6	0.01	259	0.46	**361**	32	0.06	987	1.75
242	1	0.00	131	0.23	**312**	6	0.01	265	0.47	**362**	34	0.06	1021	1.81
244	1	0.00	132	0.23	**313**	2	0.00	267	0.47	**363**	45	0.08	1066	1.89
246	1	0.00	133	0.24	**314**	1	0.00	268	0.48	**364**	30	0.05	1096	1.95
247	3	0.01	136	0.24	**315**	9	0.02	277	0.49	**365**	37	0.07	1133	2.01
253	2	0.00	138	0.25	**316**	4	0.01	281	0.50	**366**	43	0.08	1176	2.09
254	3	0.01	141	0.25	**317**	5	0.01	286	0.51	**367**	41	0.07	1217	2.16
255	2	0.00	143	0.25	**318**	8	0.01	294	0.52	**368**	49	0.09	1266	2.25
256	2	0.00	145	0.26	**319**	5	0.01	299	0.53	**369**	64	0.11	1330	2.36
257	1	0.00	146	0.26	**320**	3	0.01	302	0.54	**370**	50	0.09	1380	2.45
258	1	0.00	147	0.26	**321**	1	0.00	303	0.54	**371**	47	0.08	1427	2.54
263	1	0.00	148	0.26	**322**	4	0.01	307	0.55	**372**	54	0.10	1481	2.63
264	2	0.00	150	0.27	**323**	8	0.01	315	0.56	**373**	66	0.12	1547	2.75
267	2	0.00	152	0.27	**324**	13	0.02	328	0.58	**374**	62	0.11	1609	2.86
268	1	0.00	153	0.27	**325**	4	0.01	332	0.59	**375**	63	0.11	1672	2.97
271	2	0.00	155	0.28	**326**	8	0.01	340	0.60	**376**	68	0.12	1740	3.09
273	1	0.00	156	0.28	**327**	7	0.01	347	0.62	**377**	66	0.12	1806	3.21
274	1	0.00	157	0.28	**328**	9	0.02	356	0.63	**378**	82	0.15	1888	3.36
276	2	0.00	159	0.28	**329**	9	0.02	365	0.65	**379**	91	0.16	1979	3.52
278	3	0.01	162	0.29	**330**	12	0.02	377	0.67	**380**	84	0.15	2063	3.67
279	2	0.00	164	0.29	**331**	11	0.02	388	0.69	**381**	75	0.13	2138	3.80
280	1	0.00	165	0.29	**332**	7	0.01	395	0.70	**382**	73	0.13	2211	3.93
281	3	0.01	168	0.30	**333**	14	0.02	409	0.73	**383**	80	0.14	2291	4.07
282	1	0.00	169	0.30	**334**	18	0.03	427	0.76	**384**	97	0.17	2388	4.24
283	1	0.00	170	0.30	**335**	12	0.02	439	0.78	**385**	87	0.15	2475	4.40
286	2	0.00	172	0.31	**336**	17	0.03	456	0.81	**386**	74	0.13	2549	4.53
287	3	0.01	175	0.31	**337**	9	0.02	465	0.83	**387**	97	0.17	2646	4.70
288	4	0.01	179	0.32	**338**	13	0.02	478	0.85	**388**	106	0.19	2752	4.89
289	1	0.00	180	0.32	**339**	16	0.03	494	0.88	**389**	97	0.17	2849	5.06
290	6	0.01	186	0.33	**340**	8	0.01	502	0.89	**390**	101	0.18	2950	5.24
291	4	0.01	190	0.34	**341**	18	0.03	520	0.92	**391**	105	0.19	3055	5.43
292	2	0.00	192	0.34	**342**	16	0.03	536	0.95	**392**	100	0.18	3155	5.61
293	4	0.01	196	0.35	**343**	21	0.04	557	0.99	**393**	135	0.24	3290	5.85
294	4	0.01	200	0.36	**344**	17	0.03	574	1.02	**394**	143	0.25	3433	6.10
295	5	0.01	205	0.36	**345**	16	0.03	590	1.05	**395**	143	0.25	3576	6.36
296	5	0.01	210	0.37	**346**	18	0.03	608	1.08	**396**	107	0.19	3683	6.55
297	3	0.01	213	0.38	**347**	21	0.04	629	1.12	**397**	126	0.22	3809	6.77
298	4	0.01	217	0.39	**348**	24	0.04	653	1.16	**398**	142	0.25	3951	7.02
299	3	0.01	220	0.39	**349**	16	0.03	669	1.19	**399**	133	0.24	4084	7.26
300	2	0.00	222	0.39	**350**	20	0.04	689	1.22	**400**	139	0.25	4223	7.51
301	6	0.01	228	0.41	**351**	34	0.06	723	1.29	**401**	142	0.25	4365	7.76
302	3	0.01	231	0.41	**352**	22	0.04	745	1.32	**402**	139	0.25	4504	8.01

Table 159. Writing 3 Scale Score Distribution (Continued)

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

SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %
403	182	0.32	4686	8.33	**453**	464	0.82	20582	36.59	**503**	347	0.62	43083	76.58
404	186	0.33	4872	8.66	**454**	427	0.76	21009	37.34	**504**	354	0.63	43437	77.21
405	162	0.29	5034	8.95	**455**	445	0.79	21454	38.14	**505**	379	0.67	43816	77.88
406	162	0.29	5196	9.24	**456**	441	0.78	21895	38.92	**506**	356	0.63	44172	78.52
407	189	0.34	5385	9.57	**457**	451	0.80	22346	39.72	**507**	330	0.59	44502	79.10
408	192	0.34	5577	9.91	**458**	457	0.81	22803	40.53	**508**	375	0.67	44877	79.77
409	232	0.41	5809	10.33	**459**	458	0.81	23261	41.35	**509**	373	0.66	45250	80.43
410	193	0.34	6002	10.67	**460**	463	0.82	23724	42.17	**510**	339	0.60	45589	81.04
411	212	0.38	6214	11.05	**461**	483	0.86	24207	43.03	**511**	303	0.54	45892	81.57
412	191	0.34	6405	11.39	**462**	492	0.87	24699	43.90	**512**	299	0.53	46191	82.11
413	200	0.36	6605	11.74	**463**	463	0.82	25162	44.73	**513**	301	0.54	46492	82.64
414	204	0.36	6809	12.10	**464**	444	0.79	25606	45.52	**514**	307	0.55	46799	83.19
415	259	0.46	7068	12.56	**465**	475	0.84	26081	46.36	**515**	330	0.59	47129	83.77
416	244	0.43	7312	13.00	**466**	495	0.88	26576	47.24	**516**	320	0.57	47449	84.34
417	248	0.44	7560	13.44	**467**	445	0.79	27021	48.03	**517**	338	0.60	47787	84.94
418	246	0.44	7806	13.88	**468**	495	0.88	27516	48.91	**518**	272	0.48	48059	85.43
419	241	0.43	8047	14.30	**469**	508	0.90	28024	49.81	**519**	237	0.42	48296	85.85
420	247	0.44	8294	14.74	**470**	553	0.98	28577	50.80	**520**	280	0.50	48576	86.35
421	259	0.46	8553	15.20	**471**	497	0.88	29074	51.68	**521**	247	0.44	48823	86.78
422	295	0.52	8848	15.73	**472**	469	0.83	29543	52.51	**522**	189	0.34	49012	87.12
423	290	0.52	9138	16.24	**473**	450	0.80	29993	53.31	**523**	218	0.39	49230	87.51
424	311	0.55	9449	16.80	**474**	482	0.86	30475	54.17	**524**	214	0.38	49444	87.89
425	267	0.47	9716	17.27	**475**	469	0.83	30944	55.00	**525**	279	0.50	49723	88.38
426	304	0.54	10020	17.81	**476**	499	0.89	31443	55.89	**526**	303	0.54	50026	88.92
427	317	0.56	10337	18.37	**477**	484	0.86	31927	56.75	**527**	214	0.38	50240	89.30
428	315	0.56	10652	18.93	**478**	470	0.84	32397	57.59	**528**	345	0.61	50585	89.92
429	306	0.54	10958	19.48	**479**	492	0.87	32889	58.46	**529**	195	0.35	50780	90.26
430	318	0.57	11276	20.04	**480**	479	0.85	33368	59.31	**530**	245	0.44	51025	90.70
431	331	0.59	11607	20.63	**481**	438	0.78	33806	60.09	**531**	184	0.33	51209	91.03
432	336	0.60	11943	21.23	**482**	491	0.87	34297	60.96	**532**	117	0.21	51326	91.23
433	332	0.59	12275	21.82	**483**	457	0.81	34754	61.78	**533**	200	0.36	51526	91.59
434	361	0.64	12636	22.46	**484**	446	0.79	35200	62.57	**534**	88	0.16	51614	91.75
435	351	0.62	12987	23.08	**485**	454	0.81	35654	63.38	**535**	161	0.29	51775	92.03
436	391	0.70	13378	23.78	**486**	431	0.77	36085	64.14	**536**	91	0.16	51866	92.19
437	372	0.66	13750	24.44	**487**	415	0.74	36500	64.88	**537**	274	0.49	52140	92.68
438	388	0.69	14138	25.13	**488**	444	0.79	36944	65.67	**538**	101	0.18	52241	92.86
439	412	0.73	14550	25.86	**489**	461	0.82	37405	66.49	**539**	409	0.73	52650	93.59
440	396	0.70	14946	26.57	**490**	440	0.78	37845	67.27	**540**	205	0.36	52855	93.95
441	380	0.68	15326	27.24	**491**	427	0.76	38272	68.03	**541**	233	0.41	53088	94.37
442	373	0.66	15699	27.91	**492**	397	0.71	38669	68.74	**542**	81	0.14	53169	94.51
443	396	0.70	16095	28.61	**493**	445	0.79	39114	69.53	**543**	248	0.44	53417	94.95
444	444	0.79	16539	29.40	**494**	450	0.80	39564	70.33	**544**	65	0.12	53482	95.07
445	422	0.75	16961	30.15	**495**	417	0.74	39981	71.07	**545**	93	0.17	53575	95.23
446	455	0.81	17416	30.96	**496**	428	0.76	40409	71.83	**546**	53	0.09	53628	95.33
447	477	0.85	17893	31.81	**497**	408	0.73	40817	72.55	**547**	57	0.10	53685	95.43
448	430	0.76	18323	32.57	**498**	387	0.69	41204	73.24	**548**	35	0.06	53720	95.49
449	421	0.75	18744	33.32	**499**	432	0.77	41636	74.01	**549**	98	0.17	53818	95.66
450	425	0.76	19169	34.07	**500**	351	0.62	41987	74.63	**550**	48	0.09	53866	95.75
451	485	0.86	19654	34.94	**501**	363	0.65	42350	75.28	**551**	48	0.09	53914	95.83
452	464	0.82	20118	35.76	**502**	386	0.69	42736	75.96	**552**	50	0.09	53964	95.92

Table 159. Writing 3 Scale Score Distribution (Concluded)

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

SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %
553	618	1.10	54582	97.02	**609**	11	0.02	56133	99.78
554	61	0.11	54643	97.13	**610**	20	0.04	56153	99.81
555	29	0.05	54672	97.18	**612**	3	0.01	56156	99.82
556	83	0.15	54755	97.33	**614**	10	0.02	56166	99.84
557	89	0.16	54844	97.49	**617**	8	0.01	56174	99.85
558	91	0.16	54935	97.65	**618**	2	0.00	56176	99.85
559	24	0.04	54959	97.69	**619**	3	0.01	56179	99.86
560	109	0.19	55068	97.88	**620**	1	0.00	56180	99.86
561	36	0.06	55104	97.95	**621**	8	0.01	56188	99.88
562	29	0.05	55133	98.00	**624**	6	0.01	56194	99.89
563	52	0.09	55185	98.09	**625**	2	0.00	56196	99.89
564	21	0.04	55206	98.13	**627**	5	0.01	56201	99.90
565	25	0.04	55231	98.17	**653**	3	0.01	56204	99.90
566	21	0.04	55252	98.21	**680**	54	0.10	56258	100.00
567	36	0.06	55288	98.28					
568	17	0.03	55305	98.31					
569	12	0.02	55317	98.33					
570	29	0.05	55346	98.38					
571	5	0.01	55351	98.39					
572	156	0.28	55507	98.67					
573	8	0.01	55515	98.68					
574	15	0.03	55530	98.71					
575	26	0.05	55556	98.75					
576	124	0.22	55680	98.97					
577	13	0.02	55693	99.00					
578	75	0.13	55768	99.13					
579	3	0.01	55771	99.13					
580	23	0.04	55794	99.18					
581	24	0.04	55818	99.22					
582	5	0.01	55823	99.23					
583	19	0.03	55842	99.26					
584	22	0.04	55864	99.30					
585	7	0.01	55871	99.31					
586	16	0.03	55887	99.34					
587	11	0.02	55898	99.36					
588	13	0.02	55911	99.38					
589	7	0.01	55918	99.40					
590	7	0.01	55925	99.41					
591	8	0.01	55933	99.42					
592	10	0.02	55943	99.44					
593	1	0.00	55944	99.44					
594	3	0.01	55947	99.45					
595	5	0.01	55952	99.46					
596	5	0.01	55957	99.46					
600	108	0.19	56065	99.66					
601	2	0.00	56067	99.66					
604	44	0.08	56111	99.74					
605	2	0.00	56113	99.74					
607	1	0.00	56114	99.74					
608	8	0.01	56122	99.76					

Table 160. Spanish Writing 3 Scale Score Distribution

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

SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %
250	3	0.19	3	0.19	**396**	1	0.06	81	5.13	**448**	5	0.32	294	18.63
259	1	0.06	4	0.25	**397**	1	0.06	82	5.20	**449**	8	0.51	302	19.14
267	1	0.06	5	0.32	**398**	1	0.06	83	5.26	**450**	7	0.44	309	19.58
291	1	0.06	6	0.38	**399**	3	0.19	86	5.45	**451**	6	0.38	315	19.96
292	1	0.06	7	0.44	**400**	4	0.25	90	5.70	**452**	8	0.51	323	20.47
293	1	0.06	8	0.51	**401**	2	0.13	92	5.83	**453**	11	0.70	334	21.17
304	1	0.06	9	0.57	**404**	4	0.25	96	6.08	**454**	7	0.44	341	21.61
310	1	0.06	10	0.63	**405**	2	0.13	98	6.21	**455**	7	0.44	348	22.05
324	1	0.06	11	0.70	**406**	1	0.06	99	6.27	**456**	7	0.44	355	22.50
329	1	0.06	12	0.76	**407**	5	0.32	104	6.59	**457**	6	0.38	361	22.88
330	1	0.06	13	0.82	**408**	3	0.19	107	6.78	**458**	9	0.57	370	23.45
332	1	0.06	14	0.89	**409**	2	0.13	109	6.91	**459**	5	0.32	375	23.76
334	1	0.06	15	0.95	**410**	2	0.13	111	7.03	**460**	9	0.57	384	24.33
335	2	0.13	17	1.08	**411**	1	0.06	112	7.10	**461**	5	0.32	389	24.65
338	1	0.06	18	1.14	**412**	4	0.25	116	7.35	**462**	10	0.63	399	25.29
341	1	0.06	19	1.20	**413**	1	0.06	117	7.41	**463**	5	0.32	404	25.60
342	1	0.06	20	1.27	**414**	4	0.25	121	7.67	**464**	9	0.57	413	26.17
347	1	0.06	21	1.33	**415**	4	0.25	125	7.92	**465**	7	0.44	420	26.62
349	1	0.06	22	1.39	**416**	1	0.06	126	7.98	**466**	9	0.57	429	27.19
351	1	0.06	23	1.46	**417**	2	0.13	128	8.11	**467**	11	0.70	440	27.88
352	2	0.13	25	1.58	**418**	5	0.32	133	8.43	**468**	9	0.57	449	28.45
353	1	0.06	26	1.65	**419**	1	0.06	134	8.49	**469**	12	0.76	461	29.21
354	1	0.06	27	1.71	**420**	6	0.38	140	8.87	**470**	10	0.63	471	29.85
355	3	0.19	30	1.90	**421**	4	0.25	144	9.13	**471**	14	0.89	485	30.74
356	2	0.13	32	2.03	**422**	3	0.19	147	9.32	**472**	8	0.51	493	31.24
358	1	0.06	33	2.09	**423**	8	0.51	155	9.82	**473**	10	0.63	503	31.88
360	2	0.13	35	2.22	**424**	2	0.13	157	9.95	**474**	7	0.44	510	32.32
362	2	0.13	37	2.34	**425**	6	0.38	163	10.33	**475**	8	0.51	518	32.83
363	2	0.13	39	2.47	**426**	2	0.13	165	10.46	**476**	9	0.57	527	33.40
366	1	0.06	40	2.53	**427**	1	0.06	166	10.52	**477**	10	0.63	537	34.03
367	1	0.06	41	2.60	**428**	3	0.19	169	10.71	**478**	6	0.38	543	34.41
368	3	0.19	44	2.79	**429**	1	0.06	170	10.77	**479**	6	0.38	549	34.79
369	1	0.06	45	2.85	**430**	5	0.32	175	11.09	**480**	4	0.25	553	35.04
370	2	0.13	47	2.98	**431**	13	0.82	188	11.91	**481**	9	0.57	562	35.61
372	2	0.13	49	3.11	**432**	4	0.25	192	12.17	**482**	15	0.95	577	36.57
373	1	0.06	50	3.17	**433**	7	0.44	199	12.61	**483**	8	0.51	585	37.07
374	1	0.06	51	3.23	**434**	5	0.32	204	12.93	**484**	9	0.57	594	37.64
376	4	0.25	55	3.49	**435**	5	0.32	209	13.24	**485**	14	0.89	608	38.53
377	1	0.06	56	3.55	**436**	9	0.57	218	13.81	**486**	12	0.76	620	39.29
381	1	0.06	57	3.61	**437**	6	0.38	224	14.20	**487**	14	0.89	634	40.18
384	4	0.25	61	3.87	**438**	5	0.32	229	14.51	**488**	7	0.44	641	40.62
385	1	0.06	62	3.93	**439**	10	0.63	239	15.15	**489**	9	0.57	650	41.19
386	1	0.06	63	3.99	**440**	5	0.32	244	15.46	**490**	5	0.32	655	41.51
387	5	0.32	68	4.31	**441**	8	0.51	252	15.97	**491**	5	0.32	660	41.83
388	3	0.19	71	4.50	**442**	5	0.32	257	16.29	**492**	10	0.63	670	42.46
389	1	0.06	72	4.56	**443**	7	0.44	264	16.73	**493**	10	0.63	680	43.09
390	3	0.19	75	4.75	**444**	5	0.32	269	17.05	**494**	8	0.51	688	43.60
391	3	0.19	78	4.94	**445**	4	0.25	273	17.30	**495**	10	0.63	698	44.23
393	1	0.06	79	5.01	**446**	8	0.51	281	17.81	**496**	7	0.44	705	44.68
394	1	0.06	80	5.07	**447**	8	0.51	289	18.31	**497**	9	0.57	714	45.25

Table 160. Spanish Writing 3 Scale Score Distribution (Continued)

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

SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %
498	12	0.76	726	46.01	**548**	6	0.38	1194	75.67	**598**	2	0.13	1457	92.33
499	7	0.44	733	46.45	**549**	8	0.51	1202	76.17	**599**	1	0.06	1458	92.40
500	8	0.51	741	46.96	**550**	4	0.25	1206	76.43	**600**	2	0.13	1460	92.52
501	10	0.63	751	47.59	**551**	6	0.38	1212	76.81	**601**	4	0.25	1464	92.78
502	7	0.44	758	48.04	**552**	9	0.57	1221	77.38	**602**	1	0.06	1465	92.84
503	10	0.63	768	48.67	**553**	5	0.32	1226	77.69	**603**	7	0.44	1472	93.28
504	10	0.63	778	49.30	**554**	7	0.44	1233	78.14	**604**	5	0.32	1477	93.60
505	10	0.63	788	49.94	**555**	7	0.44	1240	78.58	**605**	2	0.13	1479	93.73
506	13	0.82	801	50.76	**556**	8	0.51	1248	79.09	**606**	3	0.19	1482	93.92
507	10	0.63	811	51.39	**557**	8	0.51	1256	79.59	**607**	1	0.06	1483	93.98
508	4	0.25	815	51.65	**558**	4	0.25	1260	79.85	**608**	2	0.13	1485	94.11
509	9	0.57	824	52.22	**559**	3	0.19	1263	80.04	**609**	5	0.32	1490	94.42
510	8	0.51	832	52.72	**560**	11	0.70	1274	80.74	**610**	2	0.13	1492	94.55
511	9	0.57	841	53.30	**561**	7	0.44	1281	81.18	**611**	2	0.13	1494	94.68
512	12	0.76	853	54.06	**562**	6	0.38	1287	81.56	**612**	2	0.13	1496	94.80
513	7	0.44	860	54.50	**563**	10	0.63	1297	82.19	**613**	5	0.32	1501	95.12
514	13	0.82	873	55.32	**564**	4	0.25	1301	82.45	**615**	1	0.06	1502	95.18
515	6	0.38	879	55.70	**565**	3	0.19	1304	82.64	**616**	3	0.19	1505	95.37
516	8	0.51	887	56.21	**566**	2	0.13	1306	82.76	**617**	3	0.19	1508	95.56
517	18	1.14	905	57.35	**567**	6	0.38	1312	83.14	**618**	1	0.06	1509	95.63
518	14	0.89	919	58.24	**568**	5	0.32	1317	83.46	**619**	1	0.06	1510	95.69
519	11	0.70	930	58.94	**569**	5	0.32	1322	83.78	**620**	4	0.25	1514	95.94
520	5	0.32	935	59.25	**570**	4	0.25	1326	84.03	**621**	1	0.06	1515	96.01
521	6	0.38	941	59.63	**571**	6	0.38	1332	84.41	**622**	3	0.19	1518	96.20
522	6	0.38	947	60.01	**572**	6	0.38	1338	84.79	**623**	3	0.19	1521	96.39
523	7	0.44	954	60.46	**573**	6	0.38	1344	85.17	**624**	1	0.06	1522	96.45
524	11	0.70	965	61.15	**574**	5	0.32	1349	85.49	**625**	1	0.06	1523	96.51
525	11	0.70	976	61.85	**575**	4	0.25	1353	85.74	**626**	4	0.25	1527	96.77
526	11	0.70	987	62.55	**576**	4	0.25	1357	85.99	**628**	1	0.06	1528	96.83
527	10	0.63	997	63.18	**577**	3	0.19	1360	86.19	**630**	2	0.13	1530	96.96
528	7	0.44	1004	63.62	**578**	7	0.44	1367	86.63	**631**	1	0.06	1531	97.02
529	6	0.38	1010	64.01	**579**	6	0.38	1373	87.01	**632**	1	0.06	1532	97.08
530	9	0.57	1019	64.58	**580**	6	0.38	1379	87.39	**635**	1	0.06	1533	97.15
531	9	0.57	1028	65.15	**581**	9	0.57	1388	87.96	**636**	3	0.19	1536	97.34
532	9	0.57	1037	65.72	**582**	6	0.38	1394	88.34	**637**	5	0.32	1541	97.66
533	13	0.82	1050	66.54	**583**	4	0.25	1398	88.59	**638**	1	0.06	1542	97.72
534	6	0.38	1056	66.92	**584**	2	0.13	1400	88.72	**639**	5	0.32	1547	98.04
535	13	0.82	1069	67.74	**585**	6	0.38	1406	89.10	**640**	1	0.06	1548	98.10
536	7	0.44	1076	68.19	**586**	7	0.44	1413	89.54	**642**	1	0.06	1549	98.16
537	10	0.63	1086	68.82	**587**	5	0.32	1418	89.86	**647**	1	0.06	1550	98.23
538	19	1.20	1105	70.03	**588**	2	0.13	1420	89.99	**649**	1	0.06	1551	98.29
539	8	0.51	1113	70.53	**589**	4	0.25	1424	90.24	**650**	1	0.06	1552	98.35
540	11	0.70	1124	71.23	**590**	6	0.38	1430	90.62	**652**	2	0.13	1554	98.48
541	5	0.32	1129	71.55	**591**	4	0.25	1434	90.87	**653**	1	0.06	1555	98.54
542	9	0.57	1138	72.12	**592**	3	0.19	1437	91.06	**654**	1	0.06	1556	98.61
543	10	0.63	1148	72.75	**593**	3	0.19	1440	91.25	**656**	2	0.13	1558	98.73
544	10	0.63	1158	73.38	**594**	2	0.13	1442	91.38	**659**	3	0.19	1561	98.92
545	12	0.76	1170	74.14	**595**	4	0.25	1446	91.63	**660**	1	0.06	1562	98.99
546	4	0.25	1174	74.40	**596**	7	0.44	1453	92.08	**663**	1	0.06	1563	99.05
547	14	0.89	1188	75.29	**597**	2	0.13	1455	92.21	**684**	1	0.06	1564	99.11

Table 160. Spanish Writing 3 Scale Score Distribution (Concluded)

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

SS	Freq.	%	Cum. Freq.	Cum. %
691	1	0.06	1565	99.18
696	2	0.13	1567	99.30
698	5	0.32	1572	99.62
699	1	0.06	1573	99.68
701	1	0.06	1574	99.75
750	4	0.25	1578	100.00

Table 161. Mathematics 3 Scale Score Distribution

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

SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %
150	78	0.13	78	0.13	**200**	11	0.02	222	0.38	**250**	15	0.03	652	1.13
151	1	0.00	79	0.14	**201**	4	0.01	226	0.39	**251**	12	0.02	664	1.15
152	3	0.01	82	0.14	**202**	6	0.01	232	0.40	**252**	21	0.04	685	1.18
153	2	0.00	84	0.15	**203**	4	0.01	236	0.41	**253**	13	0.02	698	1.21
154	2	0.00	86	0.15	**204**	6	0.01	242	0.42	**254**	12	0.02	710	1.23
155	2	0.00	88	0.15	**205**	6	0.01	248	0.43	**255**	17	0.03	727	1.26
156	4	0.01	92	0.16	**206**	5	0.01	253	0.44	**256**	26	0.04	753	1.30
157	1	0.00	93	0.16	**207**	3	0.01	256	0.44	**257**	10	0.02	763	1.32
158	1	0.00	94	0.16	**208**	8	0.01	264	0.46	**258**	21	0.04	784	1.35
159	3	0.01	97	0.17	**209**	3	0.01	267	0.46	**259**	19	0.03	803	1.39
160	4	0.01	101	0.17	**210**	6	0.01	273	0.47	**260**	18	0.03	821	1.42
161	1	0.00	102	0.18	**211**	7	0.01	280	0.48	**261**	17	0.03	838	1.45
162	2	0.00	104	0.18	**212**	4	0.01	284	0.49	**262**	18	0.03	856	1.48
163	1	0.00	105	0.18	**213**	7	0.01	291	0.50	**263**	23	0.04	879	1.52
164	3	0.01	108	0.19	**214**	5	0.01	296	0.51	**264**	20	0.03	899	1.55
165	1	0.00	109	0.19	**215**	11	0.02	307	0.53	**265**	19	0.03	918	1.59
166	1	0.00	110	0.19	**216**	7	0.01	314	0.54	**266**	14	0.02	932	1.61
167	3	0.01	113	0.20	**217**	6	0.01	320	0.55	**267**	23	0.04	955	1.65
168	6	0.01	119	0.21	**218**	7	0.01	327	0.56	**268**	16	0.03	971	1.68
169	4	0.01	123	0.21	**219**	3	0.01	330	0.57	**269**	33	0.06	1004	1.73
170	2	0.00	125	0.22	**220**	8	0.01	338	0.58	**270**	24	0.04	1028	1.78
171	4	0.01	129	0.22	**221**	9	0.02	347	0.60	**271**	25	0.04	1053	1.82
172	1	0.00	130	0.22	**222**	8	0.01	355	0.61	**272**	24	0.04	1077	1.86
173	2	0.00	132	0.23	**223**	4	0.01	359	0.62	**273**	26	0.04	1103	1.90
174	1	0.00	133	0.23	**224**	4	0.01	363	0.63	**274**	19	0.03	1122	1.94
175	1	0.00	134	0.23	**225**	8	0.01	371	0.64	**275**	25	0.04	1147	1.98
176	2	0.00	136	0.23	**226**	9	0.02	380	0.66	**276**	35	0.06	1182	2.04
177	5	0.01	141	0.24	**227**	4	0.01	384	0.66	**277**	25	0.04	1207	2.08
178	1	0.00	142	0.25	**228**	8	0.01	392	0.68	**278**	30	0.05	1237	2.14
179	1	0.00	143	0.25	**229**	8	0.01	400	0.69	**279**	23	0.04	1260	2.18
180	2	0.00	145	0.25	**230**	13	0.02	413	0.71	**280**	33	0.06	1293	2.23
181	3	0.01	148	0.26	**231**	11	0.02	424	0.73	**281**	21	0.04	1314	2.27
182	4	0.01	152	0.26	**232**	5	0.01	429	0.74	**282**	26	0.04	1340	2.31
183	4	0.01	156	0.27	**233**	4	0.01	433	0.75	**283**	25	0.04	1365	2.36
184	5	0.01	161	0.28	**234**	7	0.01	440	0.76	**284**	32	0.06	1397	2.41
185	2	0.00	163	0.28	**235**	8	0.01	448	0.77	**285**	35	0.06	1432	2.47
186	1	0.00	164	0.28	**236**	8	0.01	456	0.79	**286**	32	0.06	1464	2.53
187	2	0.00	166	0.29	**237**	8	0.01	464	0.80	**287**	42	0.07	1506	2.60
188	2	0.00	168	0.29	**238**	6	0.01	470	0.81	**288**	27	0.05	1533	2.65
189	6	0.01	174	0.30	**239**	15	0.03	485	0.84	**289**	41	0.07	1574	2.72
190	2	0.00	176	0.30	**240**	14	0.02	499	0.86	**290**	37	0.06	1611	2.78
191	4	0.01	180	0.31	**241**	12	0.02	511	0.88	**291**	43	0.07	1654	2.86
192	2	0.00	182	0.31	**242**	14	0.02	525	0.91	**292**	34	0.06	1688	2.91
193	5	0.01	187	0.32	**243**	14	0.02	539	0.93	**293**	30	0.05	1718	2.97
194	3	0.01	190	0.33	**244**	23	0.04	562	0.97	**294**	44	0.08	1762	3.04
195	2	0.00	192	0.33	**245**	6	0.01	568	0.98	**295**	45	0.08	1807	3.12
196	4	0.01	196	0.34	**246**	16	0.03	584	1.01	**296**	42	0.07	1849	3.19
197	5	0.01	201	0.35	**247**	16	0.03	600	1.04	**297**	43	0.07	1892	3.27
198	6	0.01	207	0.36	**248**	18	0.03	618	1.07	**298**	47	0.08	1939	3.35
199	4	0.01	211	0.36	**249**	19	0.03	637	1.10	**299**	43	0.07	1982	3.42

Table 161. Mathematics 3 Scale Score Distribution (Continued)

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

SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %
300	49	0.08	2031	3.51	**350**	130	0.22	5964	10.30	**400**	215	0.37	14067	24.29
301	41	0.07	2072	3.58	**351**	133	0.23	6097	10.53	**401**	205	0.35	14272	24.64
302	49	0.08	2121	3.66	**352**	111	0.19	6208	10.72	**402**	218	0.38	14490	25.02
303	48	0.08	2169	3.75	**353**	125	0.22	6333	10.94	**403**	235	0.41	14725	25.43
304	56	0.10	2225	3.84	**354**	115	0.20	6448	11.13	**404**	215	0.37	14940	25.80
305	46	0.08	2271	3.92	**355**	114	0.20	6562	11.33	**405**	221	0.38	15161	26.18
306	47	0.08	2318	4.00	**356**	109	0.19	6671	11.52	**406**	219	0.38	15380	26.56
307	59	0.10	2377	4.10	**357**	144	0.25	6815	11.77	**407**	220	0.38	15600	26.94
308	51	0.09	2428	4.19	**358**	142	0.25	6957	12.01	**408**	230	0.40	15830	27.33
309	62	0.11	2490	4.30	**359**	143	0.25	7100	12.26	**409**	246	0.42	16076	27.76
310	53	0.09	2543	4.39	**360**	128	0.22	7228	12.48	**410**	229	0.40	16305	28.15
311	51	0.09	2594	4.48	**361**	138	0.24	7366	12.72	**411**	243	0.42	16548	28.57
312	53	0.09	2647	4.57	**362**	127	0.22	7493	12.94	**412**	222	0.38	16770	28.96
313	66	0.11	2713	4.68	**363**	126	0.22	7619	13.16	**413**	225	0.39	16995	29.35
314	59	0.10	2772	4.79	**364**	129	0.22	7748	13.38	**414**	252	0.44	17247	29.78
315	64	0.11	2836	4.90	**365**	148	0.26	7896	13.63	**415**	247	0.43	17494	30.21
316	80	0.14	2916	5.04	**366**	156	0.27	8052	13.90	**416**	256	0.44	17750	30.65
317	53	0.09	2969	5.13	**367**	131	0.23	8183	14.13	**417**	254	0.44	18004	31.09
318	60	0.10	3029	5.23	**368**	150	0.26	8333	14.39	**418**	243	0.42	18247	31.51
319	63	0.11	3092	5.34	**369**	132	0.23	8465	14.62	**419**	274	0.47	18521	31.98
320	68	0.12	3160	5.46	**370**	147	0.25	8612	14.87	**420**	240	0.41	18761	32.39
321	60	0.10	3220	5.56	**371**	145	0.25	8757	15.12	**421**	254	0.44	19015	32.83
322	72	0.12	3292	5.68	**372**	161	0.28	8918	15.40	**422**	243	0.42	19258	33.25
323	83	0.14	3375	5.83	**373**	164	0.28	9082	15.68	**423**	258	0.45	19516	33.70
324	67	0.12	3442	5.94	**374**	138	0.24	9220	15.92	**424**	243	0.42	19759	34.12
325	70	0.12	3512	6.06	**375**	173	0.30	9393	16.22	**425**	272	0.47	20031	34.59
326	87	0.15	3599	6.21	**376**	151	0.26	9544	16.48	**426**	300	0.52	20331	35.11
327	93	0.16	3692	6.37	**377**	173	0.30	9717	16.78	**427**	251	0.43	20582	35.54
328	69	0.12	3761	6.49	**378**	175	0.30	9892	17.08	**428**	258	0.45	20840	35.98
329	79	0.14	3840	6.63	**379**	153	0.26	10045	17.34	**429**	278	0.48	21118	36.46
330	86	0.15	3926	6.78	**380**	158	0.27	10203	17.62	**430**	263	0.45	21381	36.92
331	87	0.15	4013	6.93	**381**	179	0.31	10382	17.93	**431**	261	0.45	21642	37.37
332	91	0.16	4104	7.09	**382**	179	0.31	10561	18.24	**432**	271	0.47	21913	37.84
333	95	0.16	4199	7.25	**383**	192	0.33	10753	18.57	**433**	255	0.44	22168	38.28
334	96	0.17	4295	7.42	**384**	173	0.30	10926	18.87	**434**	281	0.49	22449	38.76
335	92	0.16	4387	7.58	**385**	176	0.30	11102	19.17	**435**	279	0.48	22728	39.24
336	85	0.15	4472	7.72	**386**	179	0.31	11281	19.48	**436**	245	0.42	22973	39.67
337	96	0.17	4568	7.89	**387**	179	0.31	11460	19.79	**437**	278	0.48	23251	40.15
338	88	0.15	4656	8.04	**388**	191	0.33	11651	20.12	**438**	280	0.48	23531	40.63
339	97	0.17	4753	8.21	**389**	218	0.38	11869	20.49	**439**	249	0.43	23780	41.06
340	118	0.20	4871	8.41	**390**	191	0.33	12060	20.82	**440**	283	0.49	24063	41.55
341	113	0.20	4984	8.61	**391**	210	0.36	12270	21.19	**441**	294	0.51	24357	42.06
342	114	0.20	5098	8.80	**392**	173	0.30	12443	21.49	**442**	318	0.55	24675	42.61
343	106	0.18	5204	8.99	**393**	183	0.32	12626	21.80	**443**	281	0.49	24956	43.09
344	114	0.20	5318	9.18	**394**	205	0.35	12831	22.16	**444**	290	0.50	25246	43.59
345	105	0.18	5423	9.36	**395**	212	0.37	13043	22.52	**445**	246	0.42	25492	44.02
346	105	0.18	5528	9.55	**396**	213	0.37	13256	22.89	**446**	273	0.47	25765	44.49
347	104	0.18	5632	9.72	**397**	191	0.33	13447	23.22	**447**	289	0.50	26054	44.99
348	115	0.20	5747	9.92	**398**	199	0.34	13646	23.56	**448**	303	0.52	26357	45.51
349	87	0.15	5834	10.07	**399**	206	0.36	13852	23.92	**449**	276	0.48	26633	45.99

Table 161. Mathematics 3 Scale Score Distribution (Continued)

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

SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %
450	272	0.47	26905	46.46	**497**	237	0.41	40249	69.50	**544**	165	0.28	49923	86.20
451	297	0.51	27202	46.97	**498**	254	0.44	40503	69.94	**545**	159	0.27	50082	86.48
452	289	0.50	27491	47.47	**499**	245	0.42	40748	70.36	**546**	128	0.22	50210	86.70
453	314	0.54	27805	48.01	**500**	244	0.42	40992	70.78	**547**	169	0.29	50379	86.99
454	274	0.47	28079	48.48	**501**	265	0.46	41257	71.24	**548**	156	0.27	50535	87.26
455	293	0.51	28372	48.99	**502**	234	0.40	41491	71.64	**549**	145	0.25	50680	87.51
456	269	0.46	28641	49.45	**503**	281	0.49	41772	72.13	**550**	133	0.23	50813	87.74
457	296	0.51	28937	49.97	**504**	257	0.44	42029	72.57	**551**	139	0.24	50952	87.98
458	257	0.44	29194	50.41	**505**	233	0.40	42262	72.97	**552**	154	0.27	51106	88.24
459	282	0.49	29476	50.90	**506**	245	0.42	42507	73.40	**553**	109	0.19	51215	88.43
460	272	0.47	29748	51.37	**507**	220	0.38	42727	73.78	**554**	147	0.25	51362	88.69
461	332	0.57	30080	51.94	**508**	220	0.38	42947	74.16	**555**	108	0.19	51470	88.87
462	268	0.46	30348	52.40	**509**	258	0.45	43205	74.60	**556**	129	0.22	51599	89.10
463	317	0.55	30665	52.95	**510**	250	0.43	43455	75.03	**557**	139	0.24	51738	89.34
464	311	0.54	30976	53.49	**511**	241	0.42	43696	75.45	**558**	150	0.26	51888	89.59
465	290	0.50	31266	53.99	**512**	210	0.36	43906	75.81	**559**	145	0.25	52033	89.85
466	305	0.53	31571	54.51	**513**	223	0.39	44129	76.20	**560**	111	0.19	52144	90.04
467	312	0.54	31883	55.05	**514**	205	0.35	44334	76.55	**561**	105	0.18	52249	90.22
468	281	0.49	32164	55.54	**515**	199	0.34	44533	76.90	**562**	118	0.20	52367	90.42
469	279	0.48	32443	56.02	**516**	217	0.37	44750	77.27	**563**	131	0.23	52498	90.65
470	317	0.55	32760	56.57	**517**	200	0.35	44950	77.62	**564**	125	0.22	52623	90.86
471	306	0.53	33066	57.10	**518**	233	0.40	45183	78.02	**565**	99	0.17	52722	91.03
472	311	0.54	33377	57.63	**519**	190	0.33	45373	78.35	**566**	88	0.15	52810	91.19
473	271	0.47	33648	58.10	**520**	216	0.37	45589	78.72	**567**	89	0.15	52899	91.34
474	283	0.49	33931	58.59	**521**	182	0.31	45771	79.03	**568**	92	0.16	52991	91.50
475	282	0.49	34213	59.08	**522**	194	0.33	45965	79.37	**569**	90	0.16	53081	91.65
476	272	0.47	34485	59.55	**523**	198	0.34	46163	79.71	**570**	83	0.14	53164	91.80
477	289	0.50	34774	60.04	**524**	202	0.35	46365	80.06	**571**	95	0.16	53259	91.96
478	290	0.50	35064	60.54	**525**	201	0.35	46566	80.41	**572**	83	0.14	53342	92.11
479	261	0.45	35325	61.00	**526**	215	0.37	46781	80.78	**573**	105	0.18	53447	92.29
480	254	0.44	35579	61.43	**527**	179	0.31	46960	81.09	**574**	81	0.14	53528	92.43
481	327	0.56	35906	62.00	**528**	191	0.33	47151	81.42	**575**	55	0.09	53583	92.52
482	306	0.53	36212	62.53	**529**	209	0.36	47360	81.78	**576**	81	0.14	53664	92.66
483	283	0.49	36495	63.02	**530**	204	0.35	47564	82.13	**577**	108	0.19	53772	92.85
484	305	0.53	36800	63.54	**531**	188	0.32	47752	82.45	**578**	64	0.11	53836	92.96
485	296	0.51	37096	64.05	**532**	179	0.31	47931	82.76	**579**	77	0.13	53913	93.09
486	274	0.47	37370	64.53	**533**	186	0.32	48117	83.08	**580**	63	0.11	53976	93.20
487	256	0.44	37626	64.97	**534**	152	0.26	48269	83.35	**581**	112	0.19	54088	93.39
488	285	0.49	37911	65.46	**535**	169	0.29	48438	83.64	**582**	90	0.16	54178	93.55
489	266	0.46	38177	65.92	**536**	197	0.34	48635	83.98	**583**	80	0.14	54258	93.69
490	260	0.45	38437	66.37	**537**	178	0.31	48813	84.29	**584**	65	0.11	54323	93.80
491	276	0.48	38713	66.85	**538**	175	0.30	48988	84.59	**585**	68	0.12	54391	93.92
492	256	0.44	38969	67.29	**539**	166	0.29	49154	84.87	**586**	57	0.10	54448	94.02
493	249	0.43	39218	67.72	**540**	153	0.26	49307	85.14	**587**	120	0.21	54568	94.22
494	262	0.45	39480	68.17	**541**	158	0.27	49465	85.41	**588**	42	0.07	54610	94.29
495	273	0.47	39753	68.64	**542**	141	0.24	49606	85.65	**589**	93	0.16	54703	94.46
496	259	0.45	40012	69.09	**543**	152	0.26	49758	85.92	**590**	95	0.16	54798	94.62

Table 161. Mathematics 3 Scale Score Distribution (Concluded)

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

SS	Freq.	%	Cum. Freq.	Cum. %
591	72	0.12	54870	94.74
592	129	0.22	54999	94.97
593	30	0.05	55029	95.02
594	20	0.03	55049	95.05
595	75	0.13	55124	95.18
596	23	0.04	55147	95.22
597	39	0.07	55186	95.29
598	52	0.09	55238	95.38
599	44	0.08	55282	95.46
600	12	0.02	55294	95.48
601	26	0.04	55320	95.52
602	50	0.09	55370	95.61
603	89	0.15	55459	95.76
604	4	0.01	55463	95.77
605	32	0.06	55495	95.82
606	21	0.04	55516	95.86
607	33	0.06	55549	95.92
608	2	0.00	55551	95.92
609	7	0.01	55558	95.93
610	78	0.13	55636	96.07
611	1	0.00	55637	96.07
612	55	0.09	55692	96.16
613	26	0.04	55718	96.21
614	37	0.06	55755	96.27
615	14	0.02	55769	96.30
616	278	0.48	56047	96.78
617	18	0.03	56065	96.81
618	17	0.03	56082	96.84
621	100	0.17	56182	97.01
623	44	0.08	56226	97.09
624	12	0.02	56238	97.11
625	10	0.02	56248	97.12
626	4	0.01	56252	97.13
627	84	0.15	56336	97.28
628	6	0.01	56342	97.29
632	89	0.15	56431	97.44
634	2	0.00	56433	97.44
635	154	0.27	56587	97.71
638	63	0.11	56650	97.82
640	9	0.02	56659	97.83
644	9	0.02	56668	97.85
646	187	0.32	56855	98.17
652	65	0.11	56920	98.28
654	21	0.04	56941	98.32
656	27	0.05	56968	98.37
660	14	0.02	56982	98.39
661	220	0.38	57202	98.77
700	712	1.23	57914	100.00

Table 162. Reading 4 Scale Score Distribution

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

SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %
180	293	0.52	293	0.52	**322**	4	0.01	381	0.68	**374**	11	0.02	619	1.10
231	2	0.00	295	0.52	**323**	2	0.00	383	0.68	**375**	3	0.01	622	1.11
233	1	0.00	296	0.53	**324**	1	0.00	384	0.68	**376**	6	0.01	628	1.12
243	1	0.00	297	0.53	**326**	1	0.00	385	0.68	**377**	10	0.02	638	1.13
250	1	0.00	298	0.53	**327**	1	0.00	386	0.69	**378**	3	0.01	641	1.14
252	1	0.00	299	0.53	**328**	2	0.00	388	0.69	**379**	9	0.02	650	1.16
261	3	0.01	302	0.54	**329**	4	0.01	392	0.70	**380**	10	0.02	660	1.17
264	1	0.00	303	0.54	**330**	5	0.01	397	0.71	**381**	9	0.02	669	1.19
265	1	0.00	304	0.54	**331**	2	0.00	399	0.71	**382**	11	0.02	680	1.21
270	1	0.00	305	0.54	**332**	1	0.00	400	0.71	**383**	8	0.01	688	1.22
271	1	0.00	306	0.54	**333**	2	0.00	402	0.71	**384**	8	0.01	696	1.24
272	1	0.00	307	0.55	**334**	1	0.00	403	0.72	**385**	3	0.01	699	1.24
273	1	0.00	308	0.55	**335**	1	0.00	404	0.72	**386**	10	0.02	709	1.26
275	1	0.00	309	0.55	**336**	1	0.00	405	0.72	**387**	13	0.02	722	1.28
279	1	0.00	310	0.55	**337**	5	0.01	410	0.73	**388**	6	0.01	728	1.29
280	2	0.00	312	0.55	**339**	4	0.01	414	0.74	**389**	9	0.02	737	1.31
281	1	0.00	313	0.56	**340**	8	0.01	422	0.75	**390**	12	0.02	749	1.33
282	1	0.00	314	0.56	**341**	5	0.01	427	0.76	**391**	9	0.02	758	1.35
283	1	0.00	315	0.56	**342**	4	0.01	431	0.77	**392**	8	0.01	766	1.36
284	1	0.00	316	0.56	**343**	5	0.01	436	0.77	**393**	14	0.02	780	1.39
285	1	0.00	317	0.56	**344**	4	0.01	440	0.78	**394**	15	0.03	795	1.41
287	2	0.00	319	0.57	**345**	1	0.00	441	0.78	**395**	15	0.03	810	1.44
290	1	0.00	320	0.57	**346**	3	0.01	444	0.79	**396**	13	0.02	823	1.46
291	1	0.00	321	0.57	**347**	4	0.01	448	0.80	**397**	8	0.01	831	1.48
292	2	0.00	323	0.57	**348**	8	0.01	456	0.81	**398**	9	0.02	840	1.49
293	2	0.00	325	0.58	**349**	3	0.01	459	0.82	**399**	18	0.03	858	1.52
295	2	0.00	327	0.58	**350**	5	0.01	464	0.82	**400**	23	0.04	881	1.57
296	1	0.00	328	0.58	**351**	8	0.01	472	0.84	**401**	17	0.03	898	1.60
297	3	0.01	331	0.59	**352**	3	0.01	475	0.84	**402**	11	0.02	909	1.62
298	1	0.00	332	0.59	**353**	4	0.01	479	0.85	**403**	18	0.03	927	1.65
299	1	0.00	333	0.59	**354**	2	0.00	481	0.85	**404**	15	0.03	942	1.67
300	1	0.00	334	0.59	**355**	9	0.02	490	0.87	**405**	14	0.02	956	1.70
301	1	0.00	335	0.60	**356**	8	0.01	498	0.88	**406**	17	0.03	973	1.73
303	2	0.00	337	0.60	**357**	8	0.01	506	0.90	**407**	20	0.04	993	1.76
305	2	0.00	339	0.60	**358**	5	0.01	511	0.91	**408**	21	0.04	1014	1.80
306	3	0.01	342	0.61	**359**	5	0.01	516	0.92	**409**	16	0.03	1030	1.83
307	2	0.00	344	0.61	**360**	5	0.01	521	0.93	**410**	17	0.03	1047	1.86
308	1	0.00	345	0.61	**361**	8	0.01	529	0.94	**411**	21	0.04	1068	1.90
309	1	0.00	346	0.61	**362**	6	0.01	535	0.95	**412**	15	0.03	1083	1.92
310	2	0.00	348	0.62	**363**	4	0.01	539	0.96	**413**	27	0.05	1110	1.97
312	2	0.00	350	0.62	**364**	6	0.01	545	0.97	**414**	16	0.03	1126	2.00
313	4	0.01	354	0.63	**365**	5	0.01	550	0.98	**415**	20	0.04	1146	2.04
314	3	0.01	357	0.63	**366**	4	0.01	554	0.98	**416**	26	0.05	1172	2.08
315	2	0.00	359	0.64	**367**	8	0.01	562	1.00	**417**	18	0.03	1190	2.11
316	3	0.01	362	0.64	**368**	6	0.01	568	1.01	**418**	33	0.06	1223	2.17
317	4	0.01	366	0.65	**369**	13	0.02	581	1.03	**419**	19	0.03	1242	2.21
318	2	0.00	368	0.65	**370**	4	0.01	585	1.04	**420**	26	0.05	1268	2.25
319	1	0.00	369	0.66	**371**	6	0.01	591	1.05	**421**	28	0.05	1296	2.30
320	4	0.01	373	0.66	**372**	6	0.01	597	1.06	**422**	17	0.03	1313	2.33
321	4	0.01	377	0.67	**373**	11	0.02	608	1.08	**423**	21	0.04	1334	2.37

Table 162. Reading 4 Scale Score Distribution (Continued)

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

SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %
424	25	0.04	1359	2.41	**474**	77	0.14	3566	6.34	**524**	179	0.32	8835	15.70
425	21	0.04	1380	2.45	**475**	68	0.12	3634	6.46	**525**	157	0.28	8992	15.98
426	31	0.06	1411	2.51	**476**	86	0.15	3720	6.61	**526**	164	0.29	9156	16.27
427	38	0.07	1449	2.57	**477**	56	0.10	3776	6.71	**527**	161	0.29	9317	16.56
428	26	0.05	1475	2.62	**478**	59	0.10	3835	6.81	**528**	170	0.30	9487	16.86
429	23	0.04	1498	2.66	**479**	57	0.10	3892	6.92	**529**	155	0.28	9642	17.13
430	26	0.05	1524	2.71	**480**	78	0.14	3970	7.05	**530**	150	0.27	9792	17.40
431	31	0.06	1555	2.76	**481**	79	0.14	4049	7.19	**531**	154	0.27	9946	17.67
432	36	0.06	1591	2.83	**482**	56	0.10	4105	7.29	**532**	193	0.34	10139	18.02
433	33	0.06	1624	2.89	**483**	69	0.12	4174	7.42	**533**	188	0.33	10327	18.35
434	32	0.06	1656	2.94	**484**	83	0.15	4257	7.56	**534**	183	0.33	10510	18.68
435	37	0.07	1693	3.01	**485**	71	0.13	4328	7.69	**535**	210	0.37	10720	19.05
436	38	0.07	1731	3.08	**486**	75	0.13	4403	7.82	**536**	190	0.34	10910	19.39
437	45	0.08	1776	3.16	**487**	89	0.16	4492	7.98	**537**	193	0.34	11103	19.73
438	21	0.04	1797	3.19	**488**	74	0.13	4566	8.11	**538**	231	0.41	11334	20.14
439	47	0.08	1844	3.28	**489**	87	0.15	4653	8.27	**539**	210	0.37	11544	20.51
440	34	0.06	1878	3.34	**490**	80	0.14	4733	8.41	**540**	241	0.43	11785	20.94
441	41	0.07	1919	3.41	**491**	84	0.15	4817	8.56	**541**	208	0.37	11993	21.31
442	34	0.06	1953	3.47	**492**	87	0.15	4904	8.71	**542**	214	0.38	12207	21.69
443	36	0.06	1989	3.53	**493**	83	0.15	4987	8.86	**543**	202	0.36	12409	22.05
444	36	0.06	2025	3.60	**494**	89	0.16	5076	9.02	**544**	226	0.40	12635	22.45
445	44	0.08	2069	3.68	**495**	91	0.16	5167	9.18	**545**	250	0.44	12885	22.90
446	34	0.06	2103	3.74	**496**	97	0.17	5264	9.35	**546**	233	0.41	13118	23.31
447	39	0.07	2142	3.81	**497**	105	0.19	5369	9.54	**547**	250	0.44	13368	23.75
448	40	0.07	2182	3.88	**498**	83	0.15	5452	9.69	**548**	237	0.42	13605	24.18
449	32	0.06	2214	3.93	**499**	110	0.20	5562	9.88	**549**	230	0.41	13835	24.58
450	47	0.08	2261	4.02	**500**	122	0.22	5684	10.10	**550**	237	0.42	14072	25.01
451	38	0.07	2299	4.09	**501**	98	0.17	5782	10.27	**551**	264	0.47	14336	25.47
452	53	0.09	2352	4.18	**502**	105	0.19	5887	10.46	**552**	227	0.40	14563	25.88
453	40	0.07	2392	4.25	**503**	96	0.17	5983	10.63	**553**	260	0.46	14823	26.34
454	53	0.09	2445	4.34	**504**	117	0.21	6100	10.84	**554**	239	0.42	15062	26.76
455	48	0.09	2493	4.43	**505**	116	0.21	6216	11.05	**555**	281	0.50	15343	27.26
456	50	0.09	2543	4.52	**506**	96	0.17	6312	11.22	**556**	232	0.41	15575	27.68
457	53	0.09	2596	4.61	**507**	110	0.20	6422	11.41	**557**	278	0.49	15853	28.17
458	51	0.09	2647	4.70	**508**	118	0.21	6540	11.62	**558**	291	0.52	16144	28.69
459	44	0.08	2691	4.78	**509**	115	0.20	6655	11.83	**559**	285	0.51	16429	29.19
460	53	0.09	2744	4.88	**510**	109	0.19	6764	12.02	**560**	289	0.51	16718	29.71
461	51	0.09	2795	4.97	**511**	151	0.27	6915	12.29	**561**	278	0.49	16996	30.20
462	41	0.07	2836	5.04	**512**	118	0.21	7033	12.50	**562**	316	0.56	17312	30.76
463	53	0.09	2889	5.13	**513**	133	0.24	7166	12.73	**563**	296	0.53	17608	31.29
464	58	0.10	2947	5.24	**514**	136	0.24	7302	12.98	**564**	259	0.46	17867	31.75
465	44	0.08	2991	5.31	**515**	135	0.24	7437	13.22	**565**	295	0.52	18162	32.27
466	48	0.09	3039	5.40	**516**	137	0.24	7574	13.46	**566**	292	0.52	18454	32.79
467	43	0.08	3082	5.48	**517**	136	0.24	7710	13.70	**567**	292	0.52	18746	33.31
468	77	0.14	3159	5.61	**518**	161	0.29	7871	13.99	**568**	313	0.56	19059	33.87
469	72	0.13	3231	5.74	**519**	150	0.27	8021	14.25	**569**	303	0.54	19362	34.41
470	57	0.10	3288	5.84	**520**	171	0.30	8192	14.56	**570**	322	0.57	19684	34.98
471	60	0.11	3348	5.95	**521**	151	0.27	8343	14.83	**571**	332	0.59	20016	35.57
472	73	0.13	3421	6.08	**522**	167	0.30	8510	15.12	**572**	321	0.57	20337	36.14
473	68	0.12	3489	6.20	**523**	146	0.26	8656	15.38	**573**	320	0.57	20657	36.71

Table 162. Reading 4 Scale Score Distribution (Continued)

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

SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %
574	328	0.58	20985	37.29	**621**	362	0.64	39127	69.53	**668**	153	0.27	52336	93.00
575	373	0.66	21358	37.95	**622**	405	0.72	39532	70.25	**669**	153	0.27	52489	93.27
576	320	0.57	21678	38.52	**623**	377	0.67	39909	70.92	**670**	144	0.26	52633	93.53
577	364	0.65	22042	39.17	**624**	371	0.66	40280	71.58	**671**	126	0.22	52759	93.75
578	339	0.60	22381	39.77	**625**	348	0.62	40628	72.19	**672**	130	0.23	52889	93.98
579	351	0.62	22732	40.39	**626**	389	0.69	41017	72.89	**673**	155	0.28	53044	94.26
580	356	0.63	23088	41.03	**627**	387	0.69	41404	73.57	**674**	131	0.23	53175	94.49
581	342	0.61	23430	41.63	**628**	369	0.66	41773	74.23	**675**	142	0.25	53317	94.74
582	386	0.69	23816	42.32	**629**	351	0.62	42124	74.85	**676**	126	0.22	53443	94.97
583	365	0.65	24181	42.97	**630**	359	0.64	42483	75.49	**677**	114	0.20	53557	95.17
584	370	0.66	24551	43.63	**631**	324	0.58	42807	76.07	**678**	117	0.21	53674	95.38
585	392	0.70	24943	44.32	**632**	348	0.62	43155	76.68	**679**	108	0.19	53782	95.57
586	389	0.69	25332	45.01	**633**	315	0.56	43470	77.24	**680**	111	0.20	53893	95.77
587	389	0.69	25721	45.71	**634**	311	0.55	43781	77.80	**681**	103	0.18	53996	95.95
588	344	0.61	26065	46.32	**635**	353	0.63	44134	78.42	**682**	99	0.18	54095	96.12
589	381	0.68	26446	46.99	**636**	338	0.60	44472	79.02	**683**	97	0.17	54192	96.30
590	370	0.66	26816	47.65	**637**	325	0.58	44797	79.60	**684**	106	0.19	54298	96.49
591	384	0.68	27200	48.33	**638**	343	0.61	45140	80.21	**685**	86	0.15	54384	96.64
592	401	0.71	27601	49.05	**639**	327	0.58	45467	80.79	**686**	80	0.14	54464	96.78
593	404	0.72	28005	49.76	**640**	323	0.57	45790	81.37	**687**	71	0.13	54535	96.91
594	378	0.67	28383	50.44	**641**	308	0.55	46098	81.91	**688**	67	0.12	54602	97.03
595	387	0.69	28770	51.12	**642**	321	0.57	46419	82.48	**689**	85	0.15	54687	97.18
596	388	0.69	29158	51.81	**643**	304	0.54	46723	83.02	**690**	76	0.14	54763	97.31
597	423	0.75	29581	52.56	**644**	300	0.53	47023	83.56	**691**	87	0.15	54850	97.47
598	400	0.71	29981	53.27	**645**	282	0.50	47305	84.06	**692**	68	0.12	54918	97.59
599	392	0.70	30373	53.97	**646**	309	0.55	47614	84.61	**693**	76	0.14	54994	97.72
600	385	0.68	30758	54.66	**647**	267	0.47	47881	85.08	**694**	57	0.10	55051	97.82
601	433	0.77	31191	55.43	**648**	242	0.43	48123	85.51	**695**	47	0.08	55098	97.91
602	413	0.73	31604	56.16	**649**	255	0.45	48378	85.97	**696**	60	0.11	55158	98.01
603	375	0.67	31979	56.83	**650**	275	0.49	48653	86.45	**697**	52	0.09	55210	98.11
604	399	0.71	32378	57.53	**651**	263	0.47	48916	86.92	**698**	52	0.09	55262	98.20
605	410	0.73	32788	58.26	**652**	239	0.42	49155	87.35	**699**	51	0.09	55313	98.29
606	396	0.70	33184	58.97	**653**	245	0.44	49400	87.78	**700**	45	0.08	55358	98.37
607	412	0.73	33596	59.70	**654**	213	0.38	49613	88.16	**701**	51	0.09	55409	98.46
608	418	0.74	34014	60.44	**655**	219	0.39	49832	88.55	**702**	53	0.09	55462	98.55
609	397	0.71	34411	61.15	**656**	230	0.41	50062	88.96	**703**	32	0.06	55494	98.61
610	392	0.70	34803	61.84	**657**	218	0.39	50280	89.35	**704**	41	0.07	55535	98.68
611	407	0.72	35210	62.57	**658**	191	0.34	50471	89.68	**705**	27	0.05	55562	98.73
612	435	0.77	35645	63.34	**659**	211	0.37	50682	90.06	**706**	38	0.07	55600	98.80
613	373	0.66	36018	64.00	**660**	229	0.41	50911	90.47	**707**	27	0.05	55627	98.85
614	389	0.69	36407	64.69	**661**	208	0.37	51119	90.84	**708**	36	0.06	55663	98.91
615	391	0.69	36798	65.39	**662**	211	0.37	51330	91.21	**709**	44	0.08	55707	98.99
616	383	0.68	37181	66.07	**663**	178	0.32	51508	91.53	**710**	33	0.06	55740	99.05
617	394	0.70	37575	66.77	**664**	187	0.33	51695	91.86	**711**	29	0.05	55769	99.10
618	406	0.72	37981	67.49	**665**	174	0.31	51869	92.17	**712**	29	0.05	55798	99.15
619	379	0.67	38360	68.16	**666**	174	0.31	52043	92.48	**713**	19	0.03	55817	99.18
620	405	0.72	38765	68.88	**667**	140	0.25	52183	92.73	**714**	31	0.06	55848	99.24

Table 162. Reading 4 Scale Score Distribution (Concluded)

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

SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %
715	27	0.05	55875	99.29	**770**	1	0.00	56256	99.96
716	27	0.05	55902	99.34	**773**	2	0.00	56258	99.97
717	25	0.04	55927	99.38	**774**	2	0.00	56260	99.97
718	16	0.03	55943	99.41	**775**	3	0.01	56263	99.98
719	15	0.03	55958	99.43	**778**	2	0.00	56265	99.98
720	22	0.04	55980	99.47	**781**	1	0.00	56266	99.98
721	22	0.04	56002	99.51	**782**	1	0.00	56267	99.98
722	15	0.03	56017	99.54	**785**	1	0.00	56268	99.99
723	11	0.02	56028	99.56	**798**	1	0.00	56269	99.99
724	19	0.03	56047	99.59	**799**	1	0.00	56270	99.99
725	11	0.02	56058	99.61	**803**	1	0.00	56271	99.99
726	14	0.02	56072	99.64	**805**	1	0.00	56272	99.99
727	15	0.03	56087	99.66	**814**	1	0.00	56273	99.99
728	15	0.03	56102	99.69	**818**	1	0.00	56274	100.00
729	13	0.02	56115	99.71	**823**	1	0.00	56275	100.00
730	10	0.02	56125	99.73	**841**	1	0.00	56276	100.00
731	8	0.01	56133	99.75					
732	5	0.01	56138	99.75					
733	6	0.01	56144	99.77					
734	8	0.01	56152	99.78					
735	6	0.01	56158	99.79					
736	11	0.02	56169	99.81					
737	5	0.01	56174	99.82					
738	6	0.01	56180	99.83					
739	2	0.00	56182	99.83					
740	7	0.01	56189	99.85					
741	4	0.01	56193	99.85					
742	5	0.01	56198	99.86					
743	7	0.01	56205	99.87					
744	2	0.00	56207	99.88					
745	6	0.01	56213	99.89					
746	3	0.01	56216	99.89					
747	4	0.01	56220	99.90					
748	2	0.00	56222	99.90					
749	3	0.01	56225	99.91					
750	5	0.01	56230	99.92					
751	1	0.00	56231	99.92					
752	1	0.00	56232	99.92					
753	3	0.01	56235	99.93					
754	2	0.00	56237	99.93					
755	2	0.00	56239	99.93					
756	2	0.00	56241	99.94					
757	2	0.00	56243	99.94					
758	2	0.00	56245	99.94					
759	3	0.01	56248	99.95					
761	1	0.00	56249	99.95					
762	2	0.00	56251	99.96					
763	1	0.00	56252	99.96					
767	1	0.00	56253	99.96					
769	2	0.00	56255	99.96					

Table 163. Spanish Reading 4 Scale Score Distribution

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

SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %
397	1	0.38	1	0.38	**511**	3	1.14	106	40.15	**569**	1	0.38	229	86.74
426	1	0.38	2	0.76	**512**	2	0.76	108	40.91	**570**	1	0.38	230	87.12
427	1	0.38	3	1.14	**514**	3	1.14	111	42.05	**571**	1	0.38	231	87.50
435	1	0.38	4	1.52	**515**	2	0.76	113	42.80	**572**	4	1.52	235	89.02
442	1	0.38	5	1.89	**516**	2	0.76	115	43.56	**574**	1	0.38	236	89.39
446	1	0.38	6	2.27	**517**	1	0.38	116	43.94	**576**	3	1.14	239	90.53
450	1	0.38	7	2.65	**518**	1	0.38	117	44.32	**577**	3	1.14	242	91.67
452	1	0.38	8	3.03	**519**	2	0.76	119	45.08	**578**	1	0.38	243	92.05
453	1	0.38	9	3.41	**521**	7	2.65	126	47.73	**579**	1	0.38	244	92.42
454	1	0.38	10	3.79	**522**	2	0.76	128	48.48	**580**	1	0.38	245	92.80
460	1	0.38	11	4.17	**523**	1	0.38	129	48.86	**581**	1	0.38	246	93.18
462	2	0.76	13	4.92	**524**	4	1.52	133	50.38	**582**	1	0.38	247	93.56
463	1	0.38	14	5.30	**525**	2	0.76	135	51.14	**586**	1	0.38	248	93.94
466	1	0.38	15	5.68	**526**	5	1.89	140	53.03	**589**	1	0.38	249	94.32
467	3	1.14	18	6.82	**527**	4	1.52	144	54.55	**590**	1	0.38	250	94.70
468	3	1.14	21	7.95	**528**	4	1.52	148	56.06	**591**	1	0.38	251	95.08
470	2	0.76	23	8.71	**529**	4	1.52	152	57.58	**593**	2	0.76	253	95.83
472	2	0.76	25	9.47	**530**	3	1.14	155	58.71	**594**	1	0.38	254	96.21
473	1	0.38	26	9.85	**531**	2	0.76	157	59.47	**595**	2	0.76	256	96.97
474	1	0.38	27	10.23	**532**	4	1.52	161	60.98	**598**	1	0.38	257	97.35
475	2	0.76	29	10.98	**534**	2	0.76	163	61.74	**601**	1	0.38	258	97.73
476	2	0.76	31	11.74	**535**	1	0.38	164	62.12	**604**	1	0.38	259	98.11
477	3	1.14	34	12.88	**536**	5	1.89	169	64.02	**605**	1	0.38	260	98.48
479	3	1.14	37	14.02	**537**	4	1.52	173	65.53	**608**	1	0.38	261	98.86
481	1	0.38	38	14.39	**538**	2	0.76	175	66.29	**618**	1	0.38	262	99.24
483	1	0.38	39	14.77	**539**	2	0.76	177	67.05	**623**	1	0.38	263	99.62
484	4	1.52	43	16.29	**541**	4	1.52	181	68.56	**644**	1	0.38	264	100.00
485	2	0.76	45	17.05	**544**	4	1.52	185	70.08					
487	1	0.38	46	17.42	**545**	3	1.14	188	71.21					
488	1	0.38	47	17.80	**546**	1	0.38	189	71.59					
489	2	0.76	49	18.56	**547**	2	0.76	191	72.35					
490	1	0.38	50	18.94	**549**	2	0.76	193	73.11					
491	2	0.76	52	19.70	**550**	3	1.14	196	74.24					
493	7	2.65	59	22.35	**551**	1	0.38	197	74.62					
494	1	0.38	60	22.73	**552**	1	0.38	198	75.00					
495	3	1.14	63	23.86	**553**	4	1.52	202	76.52					
496	5	1.89	68	25.76	**554**	1	0.38	203	76.89					
497	1	0.38	69	26.14	**555**	2	0.76	205	77.65					
498	1	0.38	70	26.52	**556**	1	0.38	206	78.03					
499	2	0.76	72	27.27	**557**	3	1.14	209	79.17					
500	1	0.38	73	27.65	**558**	1	0.38	210	79.55					
501	7	2.65	80	30.30	**560**	2	0.76	212	80.30					
502	4	1.52	84	31.82	**561**	1	0.38	213	80.68					
503	3	1.14	87	32.95	**562**	2	0.76	215	81.44					
504	1	0.38	88	33.33	**563**	2	0.76	217	82.20					
505	1	0.38	89	33.71	**564**	1	0.38	218	82.58					
507	2	0.76	91	34.47	**565**	3	1.14	221	83.71					
508	3	1.14	94	35.61	**566**	2	0.76	223	84.47					
509	4	1.52	98	37.12	**567**	4	1.52	227	85.98					
510	5	1.89	103	39.02	**568**	1	0.38	228	86.36					

Table 164. Writing 4 Scale Score Distribution

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

SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %
190	11	0.02	11	0.02	**319**	4	0.01	87	0.15	**369**	37	0.07	771	1.37
198	1	0.00	12	0.02	**320**	6	0.01	93	0.17	**370**	34	0.06	805	1.43
202	1	0.00	13	0.02	**321**	5	0.01	98	0.17	**371**	41	0.07	846	1.50
206	1	0.00	14	0.02	**322**	3	0.01	101	0.18	**372**	41	0.07	887	1.58
207	1	0.00	15	0.03	**323**	4	0.01	105	0.19	**373**	41	0.07	928	1.65
211	1	0.00	16	0.03	**324**	2	0.00	107	0.19	**374**	37	0.07	965	1.71
213	1	0.00	17	0.03	**325**	3	0.01	110	0.20	**375**	49	0.09	1014	1.80
232	1	0.00	18	0.03	**326**	2	0.00	112	0.20	**376**	46	0.08	1060	1.88
238	1	0.00	19	0.03	**327**	7	0.01	119	0.21	**377**	37	0.07	1097	1.95
243	1	0.00	20	0.04	**328**	4	0.01	123	0.22	**378**	62	0.11	1159	2.06
246	1	0.00	21	0.04	**329**	4	0.01	127	0.23	**379**	52	0.09	1211	2.15
250	1	0.00	22	0.04	**330**	4	0.01	131	0.23	**380**	65	0.12	1276	2.27
251	1	0.00	23	0.04	**331**	4	0.01	135	0.24	**381**	67	0.12	1343	2.39
252	1	0.00	24	0.04	**332**	10	0.02	145	0.26	**382**	51	0.09	1394	2.48
253	1	0.00	25	0.04	**333**	6	0.01	151	0.27	**383**	72	0.13	1466	2.60
255	1	0.00	26	0.05	**334**	9	0.02	160	0.28	**384**	74	0.13	1540	2.74
260	1	0.00	27	0.05	**335**	5	0.01	165	0.29	**385**	71	0.13	1611	2.86
261	1	0.00	28	0.05	**336**	6	0.01	171	0.30	**386**	74	0.13	1685	2.99
265	1	0.00	29	0.05	**337**	4	0.01	175	0.31	**387**	74	0.13	1759	3.13
266	2	0.00	31	0.06	**338**	13	0.02	188	0.33	**388**	74	0.13	1833	3.26
268	1	0.00	32	0.06	**339**	8	0.01	196	0.35	**389**	73	0.13	1906	3.39
269	1	0.00	33	0.06	**340**	14	0.02	210	0.37	**390**	77	0.14	1983	3.52
271	1	0.00	34	0.06	**341**	8	0.01	218	0.39	**391**	83	0.15	2066	3.67
275	1	0.00	35	0.06	**342**	12	0.02	230	0.41	**392**	78	0.14	2144	3.81
276	2	0.00	37	0.07	**343**	14	0.02	244	0.43	**393**	87	0.15	2231	3.96
278	1	0.00	38	0.07	**344**	7	0.01	251	0.45	**394**	79	0.14	2310	4.10
280	2	0.00	40	0.07	**345**	11	0.02	262	0.47	**395**	97	0.17	2407	4.28
285	1	0.00	41	0.07	**346**	21	0.04	283	0.50	**396**	93	0.17	2500	4.44
286	1	0.00	42	0.07	**347**	15	0.03	298	0.53	**397**	94	0.17	2594	4.61
288	2	0.00	44	0.08	**348**	11	0.02	309	0.55	**398**	119	0.21	2713	4.82
289	1	0.00	45	0.08	**349**	10	0.02	319	0.57	**399**	115	0.20	2828	5.02
290	1	0.00	46	0.08	**350**	14	0.02	333	0.59	**400**	113	0.20	2941	5.23
291	3	0.01	49	0.09	**351**	16	0.03	349	0.62	**401**	123	0.22	3064	5.44
292	1	0.00	50	0.09	**352**	9	0.02	358	0.64	**402**	112	0.20	3176	5.64
293	2	0.00	52	0.09	**353**	15	0.03	373	0.66	**403**	118	0.21	3294	5.85
294	1	0.00	53	0.09	**354**	13	0.02	386	0.69	**404**	149	0.26	3443	6.12
297	4	0.01	57	0.10	**355**	29	0.05	415	0.74	**405**	135	0.24	3578	6.36
298	2	0.00	59	0.10	**356**	23	0.04	438	0.78	**406**	136	0.24	3714	6.60
303	2	0.00	61	0.11	**357**	19	0.03	457	0.81	**407**	125	0.22	3839	6.82
306	2	0.00	63	0.11	**358**	20	0.04	477	0.85	**408**	137	0.24	3976	7.06
307	1	0.00	64	0.11	**359**	24	0.04	501	0.89	**409**	152	0.27	4128	7.33
308	1	0.00	65	0.12	**360**	30	0.05	531	0.94	**410**	164	0.29	4292	7.63
309	2	0.00	67	0.12	**361**	27	0.05	558	0.99	**411**	131	0.23	4423	7.86
310	4	0.01	71	0.13	**362**	19	0.03	577	1.03	**412**	154	0.27	4577	8.13
311	1	0.00	72	0.13	**363**	25	0.04	602	1.07	**413**	182	0.32	4759	8.46
312	3	0.01	75	0.13	**364**	31	0.06	633	1.12	**414**	176	0.31	4935	8.77
313	3	0.01	78	0.14	**365**	17	0.03	650	1.15	**415**	174	0.31	5109	9.08
316	1	0.00	79	0.14	**366**	26	0.05	676	1.20	**416**	163	0.29	5272	9.37
317	2	0.00	81	0.14	**367**	27	0.05	703	1.25	**417**	192	0.34	5464	9.71
318	2	0.00	83	0.15	**368**	31	0.06	734	1.30	**418**	209	0.37	5673	10.08

Table 164. Writing 4 Scale Score Distribution (Continued)

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

SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %
419	201	0.36	5874	10.44	**469**	453	0.80	21867	38.85	**519**	322	0.57	43814	77.85
420	202	0.36	6076	10.80	**470**	467	0.83	22334	39.68	**520**	351	0.62	44165	78.48
421	178	0.32	6254	11.11	**471**	436	0.77	22770	40.46	**521**	367	0.65	44532	79.13
422	197	0.35	6451	11.46	**472**	427	0.76	23197	41.22	**522**	338	0.60	44870	79.73
423	212	0.38	6663	11.84	**473**	422	0.75	23619	41.97	**523**	352	0.63	45222	80.35
424	211	0.37	6874	12.21	**474**	466	0.83	24085	42.80	**524**	300	0.53	45522	80.89
425	228	0.41	7102	12.62	**475**	419	0.74	24504	43.54	**525**	305	0.54	45827	81.43
426	241	0.43	7343	13.05	**476**	503	0.89	25007	44.43	**526**	287	0.51	46114	81.94
427	238	0.42	7581	13.47	**477**	449	0.80	25456	45.23	**527**	280	0.50	46394	82.44
428	223	0.40	7804	13.87	**478**	444	0.79	25900	46.02	**528**	272	0.48	46666	82.92
429	243	0.43	8047	14.30	**479**	472	0.84	26372	46.86	**529**	283	0.50	46949	83.42
430	245	0.44	8292	14.73	**480**	486	0.86	26858	47.72	**530**	304	0.54	47253	83.96
431	274	0.49	8566	15.22	**481**	455	0.81	27313	48.53	**531**	225	0.40	47478	84.36
432	240	0.43	8806	15.65	**482**	492	0.87	27805	49.41	**532**	242	0.43	47720	84.79
433	271	0.48	9077	16.13	**483**	470	0.84	28275	50.24	**533**	275	0.49	47995	85.28
434	272	0.48	9349	16.61	**484**	463	0.82	28738	51.06	**534**	248	0.44	48243	85.72
435	313	0.56	9662	17.17	**485**	516	0.92	29254	51.98	**535**	243	0.43	48486	86.15
436	287	0.51	9949	17.68	**486**	465	0.83	29719	52.81	**536**	231	0.41	48717	86.56
437	284	0.50	10233	18.18	**487**	515	0.92	30234	53.72	**537**	225	0.40	48942	86.96
438	259	0.46	10492	18.64	**488**	452	0.80	30686	54.52	**538**	232	0.41	49174	87.38
439	274	0.49	10766	19.13	**489**	476	0.85	31162	55.37	**539**	253	0.45	49427	87.82
440	291	0.52	11057	19.65	**490**	515	0.92	31677	56.29	**540**	228	0.41	49655	88.23
441	320	0.57	11377	20.22	**491**	493	0.88	32170	57.16	**541**	193	0.34	49848	88.57
442	335	0.60	11712	20.81	**492**	442	0.79	32612	57.95	**542**	205	0.36	50053	88.94
443	299	0.53	12011	21.34	**493**	464	0.82	33076	58.77	**543**	191	0.34	50244	89.28
444	311	0.55	12322	21.89	**494**	466	0.83	33542	59.60	**544**	208	0.37	50452	89.65
445	337	0.60	12659	22.49	**495**	477	0.85	34019	60.45	**545**	191	0.34	50643	89.99
446	346	0.61	13005	23.11	**496**	469	0.83	34488	61.28	**546**	181	0.32	50824	90.31
447	351	0.62	13356	23.73	**497**	463	0.82	34951	62.10	**547**	195	0.35	51019	90.65
448	344	0.61	13700	24.34	**498**	464	0.82	35415	62.93	**548**	158	0.28	51177	90.93
449	326	0.58	14026	24.92	**499**	471	0.84	35886	63.76	**549**	189	0.34	51366	91.27
450	345	0.61	14371	25.54	**500**	422	0.75	36308	64.51	**550**	175	0.31	51541	91.58
451	366	0.65	14737	26.19	**501**	443	0.79	36751	65.30	**551**	125	0.22	51666	91.80
452	366	0.65	15103	26.84	**502**	486	0.86	37237	66.16	**552**	190	0.34	51856	92.14
453	368	0.65	15471	27.49	**503**	431	0.77	37668	66.93	**553**	120	0.21	51976	92.35
454	380	0.68	15851	28.17	**504**	443	0.79	38111	67.72	**554**	170	0.30	52146	92.66
455	371	0.66	16222	28.82	**505**	437	0.78	38548	68.49	**555**	132	0.23	52278	92.89
456	362	0.64	16584	29.47	**506**	420	0.75	38968	69.24	**556**	198	0.35	52476	93.24
457	370	0.66	16954	30.12	**507**	414	0.74	39382	69.98	**557**	98	0.17	52574	93.42
458	361	0.64	17315	30.77	**508**	414	0.74	39796	70.71	**558**	153	0.27	52727	93.69
459	390	0.69	17705	31.46	**509**	379	0.67	40175	71.39	**559**	117	0.21	52844	93.90
460	427	0.76	18132	32.22	**510**	415	0.74	40590	72.12	**560**	123	0.22	52967	94.12
461	427	0.76	18559	32.98	**511**	379	0.67	40969	72.80	**561**	75	0.13	53042	94.25
462	381	0.68	18940	33.65	**512**	368	0.65	41337	73.45	**562**	141	0.25	53183	94.50
463	403	0.72	19343	34.37	**513**	403	0.72	41740	74.17	**563**	76	0.14	53259	94.63
464	407	0.72	19750	35.09	**514**	396	0.70	42136	74.87	**564**	149	0.26	53408	94.90
465	408	0.72	20158	35.82	**515**	333	0.59	42469	75.46	**565**	79	0.14	53487	95.04
466	380	0.68	20538	36.49	**516**	357	0.63	42826	76.10	**566**	85	0.15	53572	95.19
467	434	0.77	20972	37.26	**517**	321	0.57	43147	76.67	**567**	60	0.11	53632	95.30
468	442	0.79	21414	38.05	**518**	345	0.61	43492	77.28	**568**	108	0.19	53740	95.49

Table 164. Writing 4 Scale Score Distribution (Concluded)

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

SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %
569	80	0.14	53820	95.63	**619**	16	0.03	55754	99.07	**687**	3	0.01	56199	99.86
570	91	0.16	53911	95.79	**620**	9	0.02	55763	99.08	**694**	3	0.01	56202	99.86
571	61	0.11	53972	95.90	**621**	21	0.04	55784	99.12	**695**	25	0.04	56227	99.91
572	43	0.08	54015	95.98	**622**	9	0.02	55793	99.14	**697**	1	0.00	56228	99.91
573	73	0.13	54088	96.11	**623**	27	0.05	55820	99.18	**698**	8	0.01	56236	99.92
574	52	0.09	54140	96.20	**624**	13	0.02	55833	99.21	**701**	2	0.00	56238	99.93
575	154	0.27	54294	96.47	**625**	3	0.01	55836	99.21	**712**	11	0.02	56249	99.95
576	51	0.09	54345	96.56	**626**	13	0.02	55849	99.24	**729**	2	0.00	56251	99.95
577	49	0.09	54394	96.65	**627**	75	0.13	55924	99.37	**730**	28	0.05	56279	100.00
578	69	0.12	54463	96.77	**628**	4	0.01	55928	99.38					
579	32	0.06	54495	96.83	**629**	11	0.02	55939	99.40					
580	62	0.11	54557	96.94	**630**	11	0.02	55950	99.42					
581	53	0.09	54610	97.03	**631**	3	0.01	55953	99.42					
582	24	0.04	54634	97.08	**632**	10	0.02	55963	99.44					
583	48	0.09	54682	97.16	**633**	6	0.01	55969	99.45					
584	31	0.06	54713	97.22	**634**	6	0.01	55975	99.46					
585	48	0.09	54761	97.30	**635**	8	0.01	55983	99.47					
586	57	0.10	54818	97.40	**636**	3	0.01	55986	99.48					
587	47	0.08	54865	97.49	**637**	14	0.02	56000	99.50					
588	28	0.05	54893	97.54	**638**	14	0.02	56014	99.53					
589	87	0.15	54980	97.69	**639**	2	0.00	56016	99.53					
590	35	0.06	55015	97.75	**640**	6	0.01	56022	99.54					
591	41	0.07	55056	97.83	**641**	1	0.00	56023	99.55					
592	27	0.05	55083	97.87	**642**	8	0.01	56031	99.56					
593	46	0.08	55129	97.96	**643**	1	0.00	56032	99.56					
594	35	0.06	55164	98.02	**644**	12	0.02	56044	99.58					
595	34	0.06	55198	98.08	**646**	6	0.01	56050	99.59					
596	44	0.08	55242	98.16	**647**	2	0.00	56052	99.60					
597	22	0.04	55264	98.20	**648**	3	0.01	56055	99.60					
598	30	0.05	55294	98.25	**649**	3	0.01	56058	99.61					
599	22	0.04	55316	98.29	**650**	26	0.05	56084	99.65					
600	25	0.04	55341	98.33	**651**	2	0.00	56086	99.66					
601	23	0.04	55364	98.37	**652**	5	0.01	56091	99.67					
602	27	0.05	55391	98.42	**653**	5	0.01	56096	99.67					
603	53	0.09	55444	98.52	**656**	7	0.01	56103	99.69					
604	13	0.02	55457	98.54	**657**	30	0.05	56133	99.74					
605	27	0.05	55484	98.59	**658**	13	0.02	56146	99.76					
606	46	0.08	55530	98.67	**659**	1	0.00	56147	99.77					
607	24	0.04	55554	98.71	**660**	2	0.00	56149	99.77					
608	25	0.04	55579	98.76	**662**	1	0.00	56150	99.77					
609	14	0.02	55593	98.78	**663**	1	0.00	56151	99.77					
610	19	0.03	55612	98.81	**664**	3	0.01	56154	99.78					
611	16	0.03	55628	98.84	**666**	6	0.01	56160	99.79					
612	9	0.02	55637	98.86	**668**	6	0.01	56166	99.80					
613	11	0.02	55648	98.88	**670**	1	0.00	56167	99.80					
614	23	0.04	55671	98.92	**671**	3	0.01	56170	99.81					
615	28	0.05	55699	98.97	**674**	7	0.01	56177	99.82					
616	7	0.01	55706	98.98	**676**	8	0.01	56185	99.83					
617	10	0.02	55716	99.00	**683**	8	0.01	56193	99.85					
618	22	0.04	55738	99.04	**686**	3	0.01	56196	99.85					

Table 165. Spanish Writing 4 Scale Score Distribution

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

SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %
361	1	0.38	1	0.38	**500**	4	1.52	90	34.09	**556**	1	0.38	233	88.26
389	1	0.38	2	0.76	**501**	4	1.52	94	35.61	**558**	2	0.76	235	89.02
426	1	0.38	3	1.14	**502**	3	1.14	97	36.74	**560**	2	0.76	237	89.77
427	1	0.38	4	1.52	**503**	2	0.76	99	37.50	**562**	1	0.38	238	90.15
428	1	0.38	5	1.89	**504**	4	1.52	103	39.02	**563**	1	0.38	239	90.53
429	1	0.38	6	2.27	**505**	6	2.27	109	41.29	**566**	2	0.76	241	91.29
433	2	0.76	8	3.03	**506**	7	2.65	116	43.94	**568**	3	1.14	244	92.42
442	1	0.38	9	3.41	**507**	3	1.14	119	45.08	**569**	1	0.38	245	92.80
443	2	0.76	11	4.17	**508**	4	1.52	123	46.59	**570**	1	0.38	246	93.18
444	2	0.76	13	4.92	**509**	5	1.89	128	48.48	**571**	1	0.38	247	93.56
445	1	0.38	14	5.30	**510**	2	0.76	130	49.24	**573**	2	0.76	249	94.32
446	1	0.38	15	5.68	**511**	5	1.89	135	51.14	**576**	2	0.76	251	95.08
447	1	0.38	16	6.06	**512**	4	1.52	139	52.65	**577**	1	0.38	252	95.45
448	1	0.38	17	6.44	**513**	3	1.14	142	53.79	**578**	1	0.38	253	95.83
452	1	0.38	18	6.82	**514**	4	1.52	146	55.30	**579**	1	0.38	254	96.21
454	1	0.38	19	7.20	**515**	2	0.76	148	56.06	**582**	2	0.76	256	96.97
455	1	0.38	20	7.58	**516**	4	1.52	152	57.58	**587**	1	0.38	257	97.35
456	1	0.38	21	7.95	**517**	6	2.27	158	59.85	**589**	1	0.38	258	97.73
457	2	0.76	23	8.71	**518**	1	0.38	159	60.23	**590**	1	0.38	259	98.11
458	1	0.38	24	9.09	**519**	2	0.76	161	60.98	**595**	1	0.38	260	98.48
461	1	0.38	25	9.47	**520**	3	1.14	164	62.12	**599**	1	0.38	261	98.86
462	1	0.38	26	9.85	**521**	4	1.52	168	63.64	**606**	1	0.38	262	99.24
463	2	0.76	28	10.61	**522**	2	0.76	170	64.39	**616**	1	0.38	263	99.62
467	2	0.76	30	11.36	**523**	4	1.52	174	65.91	**620**	1	0.38	264	100.00
468	3	1.14	33	12.50	**524**	3	1.14	177	67.05					
469	2	0.76	35	13.26	**525**	1	0.38	178	67.42					
470	1	0.38	36	13.64	**526**	1	0.38	179	67.80					
471	2	0.76	38	14.39	**527**	2	0.76	181	68.56					
473	1	0.38	39	14.77	**529**	2	0.76	183	69.32					
475	1	0.38	40	15.15	**530**	2	0.76	185	70.08					
476	3	1.14	43	16.29	**531**	2	0.76	187	70.83					
478	2	0.76	45	17.05	**532**	2	0.76	189	71.59					
479	1	0.38	46	17.42	**533**	4	1.52	193	73.11					
480	2	0.76	48	18.18	**534**	1	0.38	194	73.48					
481	4	1.52	52	19.70	**535**	3	1.14	197	74.62					
482	5	1.89	57	21.59	**537**	3	1.14	200	75.76					
484	1	0.38	58	21.97	**538**	3	1.14	203	76.89					
485	2	0.76	60	22.73	**539**	2	0.76	205	77.65					
486	1	0.38	61	23.11	**540**	4	1.52	209	79.17					
487	2	0.76	63	23.86	**541**	3	1.14	212	80.30					
488	5	1.89	68	25.76	**542**	2	0.76	214	81.06					
489	3	1.14	71	26.89	**544**	1	0.38	215	81.44					
490	2	0.76	73	27.65	**545**	4	1.52	219	82.95					
491	4	1.52	77	29.17	**546**	1	0.38	220	83.33					
493	1	0.38	78	29.55	**548**	1	0.38	221	83.71					
494	1	0.38	79	29.92	**549**	3	1.14	224	84.85					
495	2	0.76	81	30.68	**552**	2	0.76	226	85.61					
496	3	1.14	84	31.82	**553**	2	0.76	228	86.36					
497	1	0.38	85	32.20	**554**	2	0.76	230	87.12					
499	1	0.38	86	32.58	**555**	2	0.76	232	87.88					

Table 166. Mathematics 4 Scale Score Distribution

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

SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %
180	60	0.11	60	0.11	**242**	4	0.01	199	0.35	**292**	13	0.02	632	1.12
181	1	0.00	61	0.11	**243**	6	0.01	205	0.36	**293**	16	0.03	648	1.14
182	2	0.00	63	0.11	**244**	2	0.00	207	0.37	**294**	15	0.03	663	1.17
183	2	0.00	65	0.11	**245**	2	0.00	209	0.37	**295**	20	0.04	683	1.21
184	1	0.00	66	0.12	**246**	9	0.02	218	0.38	**296**	16	0.03	699	1.23
187	2	0.00	68	0.12	**247**	4	0.01	222	0.39	**297**	26	0.05	725	1.28
188	2	0.00	70	0.12	**248**	4	0.01	226	0.40	**298**	19	0.03	744	1.31
190	1	0.00	71	0.13	**249**	2	0.00	228	0.40	**299**	16	0.03	760	1.34
193	1	0.00	72	0.13	**250**	6	0.01	234	0.41	**300**	9	0.02	769	1.36
195	1	0.00	73	0.13	**251**	6	0.01	240	0.42	**301**	21	0.04	790	1.39
197	1	0.00	74	0.13	**252**	6	0.01	246	0.43	**302**	21	0.04	811	1.43
198	1	0.00	75	0.13	**253**	2	0.00	248	0.44	**303**	23	0.04	834	1.47
199	3	0.01	78	0.14	**254**	3	0.01	251	0.44	**304**	19	0.03	853	1.51
200	2	0.00	80	0.14	**255**	8	0.01	259	0.46	**305**	23	0.04	876	1.55
201	3	0.01	83	0.15	**256**	5	0.01	264	0.47	**306**	19	0.03	895	1.58
202	1	0.00	84	0.15	**257**	5	0.01	269	0.47	**307**	23	0.04	918	1.62
203	1	0.00	85	0.15	**258**	10	0.02	279	0.49	**308**	30	0.05	948	1.67
206	2	0.00	87	0.15	**259**	5	0.01	284	0.50	**309**	17	0.03	965	1.70
207	1	0.00	88	0.16	**260**	4	0.01	288	0.51	**310**	26	0.05	991	1.75
208	1	0.00	89	0.16	**261**	5	0.01	293	0.52	**311**	19	0.03	1010	1.78
209	1	0.00	90	0.16	**262**	13	0.02	306	0.54	**312**	23	0.04	1033	1.82
210	3	0.01	93	0.16	**263**	5	0.01	311	0.55	**313**	21	0.04	1054	1.86
212	2	0.00	95	0.17	**264**	6	0.01	317	0.56	**314**	18	0.03	1072	1.89
213	3	0.01	98	0.17	**265**	2	0.00	319	0.56	**315**	27	0.05	1099	1.94
214	1	0.00	99	0.17	**266**	8	0.01	327	0.58	**316**	25	0.04	1124	1.98
215	3	0.01	102	0.18	**267**	10	0.02	337	0.59	**317**	26	0.05	1150	2.03
216	6	0.01	108	0.19	**268**	10	0.02	347	0.61	**318**	24	0.04	1174	2.07
218	1	0.00	109	0.19	**269**	7	0.01	354	0.62	**319**	32	0.06	1206	2.13
219	2	0.00	111	0.20	**270**	11	0.02	365	0.64	**320**	29	0.05	1235	2.18
220	5	0.01	116	0.20	**271**	19	0.03	384	0.68	**321**	28	0.05	1263	2.23
221	2	0.00	118	0.21	**272**	6	0.01	390	0.69	**322**	38	0.07	1301	2.30
222	4	0.01	122	0.22	**273**	12	0.02	402	0.71	**323**	34	0.06	1335	2.36
223	4	0.01	126	0.22	**274**	14	0.02	416	0.73	**324**	29	0.05	1364	2.41
224	4	0.01	130	0.23	**275**	8	0.01	424	0.75	**325**	52	0.09	1416	2.50
226	6	0.01	136	0.24	**276**	8	0.01	432	0.76	**326**	36	0.06	1452	2.56
227	3	0.01	139	0.25	**277**	10	0.02	442	0.78	**327**	32	0.06	1484	2.62
228	2	0.00	141	0.25	**278**	10	0.02	452	0.80	**328**	39	0.07	1523	2.69
229	3	0.01	144	0.25	**279**	8	0.01	460	0.81	**329**	40	0.07	1563	2.76
230	3	0.01	147	0.26	**280**	13	0.02	473	0.84	**330**	34	0.06	1597	2.82
231	4	0.01	151	0.27	**281**	10	0.02	483	0.85	**331**	43	0.08	1640	2.90
232	4	0.01	155	0.27	**282**	13	0.02	496	0.88	**332**	43	0.08	1683	2.97
233	8	0.01	163	0.29	**283**	14	0.02	510	0.90	**333**	50	0.09	1733	3.06
234	3	0.01	166	0.29	**284**	7	0.01	517	0.91	**334**	46	0.08	1779	3.14
235	3	0.01	169	0.30	**285**	11	0.02	528	0.93	**335**	44	0.08	1823	3.22
236	2	0.00	171	0.30	**286**	16	0.03	544	0.96	**336**	43	0.08	1866	3.29
237	3	0.01	174	0.31	**287**	10	0.02	554	0.98	**337**	44	0.08	1910	3.37
238	7	0.01	181	0.32	**288**	15	0.03	569	1.00	**338**	45	0.08	1955	3.45
239	3	0.01	184	0.32	**289**	14	0.02	583	1.03	**339**	38	0.07	1993	3.52
240	4	0.01	188	0.33	**290**	20	0.04	603	1.06	**340**	42	0.07	2035	3.59
241	7	0.01	195	0.34	**291**	16	0.03	619	1.09	**341**	53	0.09	2088	3.69

Table 166. Mathematics 4 Scale Score Distribution (Continued)

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

SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %
342	29	0.05	2117	3.74	**392**	108	0.19	5912	10.44	**442**	220	0.39	13886	24.51
343	40	0.07	2157	3.81	**393**	109	0.19	6021	10.63	**443**	220	0.39	14106	24.90
344	38	0.07	2195	3.88	**394**	97	0.17	6118	10.80	**444**	211	0.37	14317	25.28
345	66	0.12	2261	3.99	**395**	99	0.17	6217	10.98	**445**	206	0.36	14523	25.64
346	43	0.08	2304	4.07	**396**	118	0.21	6335	11.18	**446**	201	0.35	14724	25.99
347	44	0.08	2348	4.15	**397**	118	0.21	6453	11.39	**447**	218	0.38	14942	26.38
348	45	0.08	2393	4.22	**398**	109	0.19	6562	11.58	**448**	224	0.40	15166	26.77
349	59	0.10	2452	4.33	**399**	105	0.19	6667	11.77	**449**	232	0.41	15398	27.18
350	50	0.09	2502	4.42	**400**	112	0.20	6779	11.97	**450**	233	0.41	15631	27.60
351	55	0.10	2557	4.51	**401**	123	0.22	6902	12.18	**451**	248	0.44	15879	28.03
352	57	0.10	2614	4.61	**402**	127	0.22	7029	12.41	**452**	224	0.40	16103	28.43
353	47	0.08	2661	4.70	**403**	128	0.23	7157	12.64	**453**	231	0.41	16334	28.84
354	61	0.11	2722	4.81	**404**	114	0.20	7271	12.84	**454**	224	0.40	16558	29.23
355	59	0.10	2781	4.91	**405**	114	0.20	7385	13.04	**455**	240	0.42	16798	29.66
356	78	0.14	2859	5.05	**406**	141	0.25	7526	13.29	**456**	256	0.45	17054	30.11
357	63	0.11	2922	5.16	**407**	131	0.23	7657	13.52	**457**	239	0.42	17293	30.53
358	89	0.16	3011	5.32	**408**	149	0.26	7806	13.78	**458**	261	0.46	17554	30.99
359	62	0.11	3073	5.43	**409**	136	0.24	7942	14.02	**459**	259	0.46	17813	31.45
360	60	0.11	3133	5.53	**410**	145	0.26	8087	14.28	**460**	235	0.41	18048	31.86
361	56	0.10	3189	5.63	**411**	155	0.27	8242	14.55	**461**	291	0.51	18339	32.38
362	82	0.14	3271	5.77	**412**	140	0.25	8382	14.80	**462**	284	0.50	18623	32.88
363	61	0.11	3332	5.88	**413**	136	0.24	8518	15.04	**463**	272	0.48	18895	33.36
364	67	0.12	3399	6.00	**414**	159	0.28	8677	15.32	**464**	291	0.51	19186	33.87
365	65	0.11	3464	6.12	**415**	162	0.29	8839	15.60	**465**	285	0.50	19471	34.37
366	74	0.13	3538	6.25	**416**	178	0.31	9017	15.92	**466**	260	0.46	19731	34.83
367	75	0.13	3613	6.38	**417**	156	0.28	9173	16.19	**467**	247	0.44	19978	35.27
368	76	0.13	3689	6.51	**418**	154	0.27	9327	16.47	**468**	261	0.46	20239	35.73
369	77	0.14	3766	6.65	**419**	159	0.28	9486	16.75	**469**	276	0.49	20515	36.22
370	89	0.16	3855	6.81	**420**	164	0.29	9650	17.04	**470**	283	0.50	20798	36.72
371	66	0.12	3921	6.92	**421**	163	0.29	9813	17.32	**471**	309	0.55	21107	37.26
372	80	0.14	4001	7.06	**422**	169	0.30	9982	17.62	**472**	293	0.52	21400	37.78
373	88	0.16	4089	7.22	**423**	174	0.31	10156	17.93	**473**	296	0.52	21696	38.30
374	89	0.16	4178	7.38	**424**	167	0.29	10323	18.22	**474**	266	0.47	21962	38.77
375	76	0.13	4254	7.51	**425**	192	0.34	10515	18.56	**475**	246	0.43	22208	39.21
376	96	0.17	4350	7.68	**426**	183	0.32	10698	18.89	**476**	275	0.49	22483	39.69
377	77	0.14	4427	7.82	**427**	196	0.35	10894	19.23	**477**	277	0.49	22760	40.18
378	88	0.16	4515	7.97	**428**	171	0.30	11065	19.53	**478**	291	0.51	23051	40.69
379	91	0.16	4606	8.13	**429**	193	0.34	11258	19.88	**479**	283	0.50	23334	41.19
380	93	0.16	4699	8.30	**430**	214	0.38	11472	20.25	**480**	293	0.52	23627	41.71
381	89	0.16	4788	8.45	**431**	196	0.35	11668	20.60	**481**	265	0.47	23892	42.18
382	84	0.15	4872	8.60	**432**	206	0.36	11874	20.96	**482**	289	0.51	24181	42.69
383	111	0.20	4983	8.80	**433**	199	0.35	12073	21.31	**483**	317	0.56	24498	43.25
384	83	0.15	5066	8.94	**434**	185	0.33	12258	21.64	**484**	279	0.49	24777	43.74
385	96	0.17	5162	9.11	**435**	198	0.35	12456	21.99	**485**	296	0.52	25073	44.26
386	96	0.17	5258	9.28	**436**	173	0.31	12629	22.30	**486**	314	0.55	25387	44.82
387	100	0.18	5358	9.46	**437**	177	0.31	12806	22.61	**487**	319	0.56	25706	45.38
388	111	0.20	5469	9.66	**438**	243	0.43	13049	23.04	**488**	294	0.52	26000	45.90
389	105	0.19	5574	9.84	**439**	211	0.37	13260	23.41	**489**	313	0.55	26313	46.45
390	118	0.21	5692	10.05	**440**	209	0.37	13469	23.78	**490**	306	0.54	26619	46.99
391	112	0.20	5804	10.25	**441**	197	0.35	13666	24.13	**491**	322	0.57	26941	47.56

Table 166. Mathematics 4 Scale Score Distribution (Continued)

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

SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %
492	296	0.52	27237	48.08	**539**	260	0.46	41659	73.55	**586**	136	0.24	51147	90.30
493	298	0.53	27535	48.61	**540**	278	0.49	41937	74.04	**587**	154	0.27	51301	90.57
494	292	0.52	27827	49.13	**541**	275	0.49	42212	74.52	**588**	150	0.26	51451	90.83
495	324	0.57	28151	49.70	**542**	266	0.47	42478	74.99	**589**	129	0.23	51580	91.06
496	321	0.57	28472	50.26	**543**	268	0.47	42746	75.46	**590**	137	0.24	51717	91.30
497	314	0.55	28786	50.82	**544**	272	0.48	43018	75.94	**591**	132	0.23	51849	91.53
498	310	0.55	29096	51.37	**545**	244	0.43	43262	76.38	**592**	115	0.20	51964	91.74
499	309	0.55	29405	51.91	**546**	246	0.43	43508	76.81	**593**	120	0.21	52084	91.95
500	318	0.56	29723	52.47	**547**	242	0.43	43750	77.24	**594**	103	0.18	52187	92.13
501	355	0.63	30078	53.10	**548**	251	0.44	44001	77.68	**595**	119	0.21	52306	92.34
502	339	0.60	30417	53.70	**549**	245	0.43	44246	78.11	**596**	122	0.22	52428	92.56
503	295	0.52	30712	54.22	**550**	224	0.40	44470	78.51	**597**	98	0.17	52526	92.73
504	342	0.60	31054	54.82	**551**	233	0.41	44703	78.92	**598**	113	0.20	52639	92.93
505	312	0.55	31366	55.37	**552**	230	0.41	44933	79.33	**599**	106	0.19	52745	93.12
506	321	0.57	31687	55.94	**553**	257	0.45	45190	79.78	**600**	92	0.16	52837	93.28
507	335	0.59	32022	56.53	**554**	245	0.43	45435	80.21	**601**	90	0.16	52927	93.44
508	315	0.56	32337	57.09	**555**	232	0.41	45667	80.62	**602**	92	0.16	53019	93.60
509	306	0.54	32643	57.63	**556**	232	0.41	45899	81.03	**603**	113	0.20	53132	93.80
510	292	0.52	32935	58.14	**557**	232	0.41	46131	81.44	**604**	96	0.17	53228	93.97
511	314	0.55	33249	58.70	**558**	236	0.42	46367	81.86	**605**	89	0.16	53317	94.13
512	307	0.54	33556	59.24	**559**	216	0.38	46583	82.24	**606**	73	0.13	53390	94.26
513	321	0.57	33877	59.81	**560**	240	0.42	46823	82.66	**607**	76	0.13	53466	94.39
514	334	0.59	34211	60.40	**561**	200	0.35	47023	83.01	**608**	72	0.13	53538	94.52
515	307	0.54	34518	60.94	**562**	207	0.37	47230	83.38	**609**	99	0.17	53637	94.69
516	330	0.58	34848	61.52	**563**	217	0.38	47447	83.76	**610**	88	0.16	53725	94.85
517	326	0.58	35174	62.10	**564**	226	0.40	47673	84.16	**611**	88	0.16	53813	95.00
518	269	0.47	35443	62.57	**565**	184	0.32	47857	84.49	**612**	74	0.13	53887	95.13
519	337	0.59	35780	63.17	**566**	186	0.33	48043	84.82	**613**	72	0.13	53959	95.26
520	301	0.53	36081	63.70	**567**	181	0.32	48224	85.14	**614**	70	0.12	54029	95.38
521	305	0.54	36386	64.24	**568**	188	0.33	48412	85.47	**615**	72	0.13	54101	95.51
522	316	0.56	36702	64.79	**569**	181	0.32	48593	85.79	**616**	68	0.12	54169	95.63
523	318	0.56	37020	65.36	**570**	180	0.32	48773	86.10	**617**	71	0.13	54240	95.76
524	306	0.54	37326	65.90	**571**	169	0.30	48942	86.40	**618**	60	0.11	54300	95.86
525	343	0.61	37669	66.50	**572**	148	0.26	49090	86.66	**619**	61	0.11	54361	95.97
526	281	0.50	37950	67.00	**573**	171	0.30	49261	86.97	**620**	60	0.11	54421	96.08
527	303	0.53	38253	67.53	**574**	189	0.33	49450	87.30	**621**	56	0.10	54477	96.17
528	298	0.53	38551	68.06	**575**	169	0.30	49619	87.60	**622**	55	0.10	54532	96.27
529	273	0.48	38824	68.54	**576**	165	0.29	49784	87.89	**623**	67	0.12	54599	96.39
530	303	0.53	39127	69.08	**577**	161	0.28	49945	88.17	**624**	54	0.10	54653	96.49
531	292	0.52	39419	69.59	**578**	135	0.24	50080	88.41	**625**	60	0.11	54713	96.59
532	283	0.50	39702	70.09	**579**	124	0.22	50204	88.63	**626**	48	0.08	54761	96.68
533	291	0.51	39993	70.60	**580**	142	0.25	50346	88.88	**627**	51	0.09	54812	96.77
534	275	0.49	40268	71.09	**581**	120	0.21	50466	89.09	**628**	46	0.08	54858	96.85
535	284	0.50	40552	71.59	**582**	141	0.25	50607	89.34	**629**	39	0.07	54897	96.92
536	305	0.54	40857	72.13	**583**	121	0.21	50728	89.56	**630**	46	0.08	54943	97.00
537	276	0.49	41133	72.62	**584**	148	0.26	50876	89.82	**631**	65	0.11	55008	97.11
538	266	0.47	41399	73.09	**585**	135	0.24	51011	90.06	**632**	53	0.09	55061	97.21

Table 166. Mathematics 4 Scale Score Distribution (Concluded)

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

SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %
633	43	0.08	55104	97.28	**683**	11	0.02	56218	99.25	**742**	2	0.00	56552	99.84
634	55	0.10	55159	97.38	**684**	9	0.02	56227	99.26	**743**	2	0.00	56554	99.84
635	36	0.06	55195	97.44	**685**	4	0.01	56231	99.27	**744**	2	0.00	56556	99.84
636	45	0.08	55240	97.52	**686**	13	0.02	56244	99.29	**752**	1	0.00	56557	99.85
637	42	0.07	55282	97.60	**687**	8	0.01	56252	99.31	**755**	2	0.00	56559	99.85
638	36	0.06	55318	97.66	**688**	26	0.05	56278	99.35	**756**	1	0.00	56560	99.85
639	27	0.05	55345	97.71	**689**	18	0.03	56296	99.39	**759**	1	0.00	56561	99.85
640	29	0.05	55374	97.76	**690**	14	0.02	56310	99.41	**760**	1	0.00	56562	99.86
641	27	0.05	55401	97.81	**691**	3	0.01	56313	99.42	**762**	3	0.01	56565	99.86
642	38	0.07	55439	97.87	**692**	5	0.01	56318	99.42	**764**	1	0.00	56566	99.86
643	31	0.05	55470	97.93	**693**	8	0.01	56326	99.44	**775**	3	0.01	56569	99.87
644	26	0.05	55496	97.97	**694**	7	0.01	56333	99.45	**776**	1	0.00	56570	99.87
645	35	0.06	55531	98.04	**695**	8	0.01	56341	99.47	**779**	1	0.00	56571	99.87
646	25	0.04	55556	98.08	**696**	8	0.01	56349	99.48	**780**	73	0.13	56644	100.00
647	30	0.05	55586	98.13	**697**	4	0.01	56353	99.49					
648	28	0.05	55614	98.18	**698**	8	0.01	56361	99.50					
649	26	0.05	55640	98.23	**700**	3	0.01	56364	99.51					
650	29	0.05	55669	98.28	**701**	7	0.01	56371	99.52					
651	30	0.05	55699	98.33	**703**	4	0.01	56375	99.53					
652	25	0.04	55724	98.38	**704**	22	0.04	56397	99.56					
653	28	0.05	55752	98.43	**705**	4	0.01	56401	99.57					
654	26	0.05	55778	98.47	**707**	7	0.01	56408	99.58					
655	22	0.04	55800	98.51	**708**	2	0.00	56410	99.59					
656	11	0.02	55811	98.53	**709**	2	0.00	56412	99.59					
657	13	0.02	55824	98.55	**710**	2	0.00	56414	99.59					
658	15	0.03	55839	98.58	**711**	1	0.00	56415	99.60					
659	22	0.04	55861	98.62	**713**	4	0.01	56419	99.60					
660	20	0.04	55881	98.65	**714**	4	0.01	56423	99.61					
661	24	0.04	55905	98.70	**715**	1	0.00	56424	99.61					
662	14	0.02	55919	98.72	**716**	3	0.01	56427	99.62					
663	32	0.06	55951	98.78	**717**	8	0.01	56435	99.63					
664	15	0.03	55966	98.80	**718**	8	0.01	56443	99.65					
665	16	0.03	55982	98.83	**719**	1	0.00	56444	99.65					
666	16	0.03	55998	98.86	**720**	5	0.01	56449	99.66					
667	22	0.04	56020	98.90	**721**	6	0.01	56455	99.67					
668	22	0.04	56042	98.94	**722**	2	0.00	56457	99.67					
669	13	0.02	56055	98.96	**723**	1	0.00	56458	99.67					
670	11	0.02	56066	98.98	**724**	5	0.01	56463	99.68					
671	11	0.02	56077	99.00	**725**	2	0.00	56465	99.68					
672	16	0.03	56093	99.03	**727**	11	0.02	56476	99.70					
673	11	0.02	56104	99.05	**728**	37	0.07	56513	99.77					
674	19	0.03	56123	99.08	**730**	10	0.02	56523	99.79					
675	15	0.03	56138	99.11	**731**	4	0.01	56527	99.79					
676	6	0.01	56144	99.12	**733**	5	0.01	56532	99.80					
677	2	0.00	56146	99.12	**734**	1	0.00	56533	99.80					
678	8	0.01	56154	99.13	**736**	4	0.01	56537	99.81					
679	10	0.02	56164	99.15	**737**	1	0.00	56538	99.81					
680	12	0.02	56176	99.17	**739**	3	0.01	56541	99.82					
681	13	0.02	56189	99.20	**740**	2	0.00	56543	99.82					
682	18	0.03	56207	99.23	**741**	7	0.01	56550	99.83					

Table 167. Reading 5 Scale Score Distribution

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

SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %
220	171	0.30	171	0.30	**338**	1	0.00	248	0.44	**390**	7	0.01	451	0.80
241	1	0.00	172	0.30	**339**	2	0.00	250	0.44	**391**	7	0.01	458	0.81
265	1	0.00	173	0.31	**340**	1	0.00	251	0.44	**392**	3	0.01	461	0.81
269	1	0.00	174	0.31	**342**	2	0.00	253	0.45	**393**	6	0.01	467	0.82
271	1	0.00	175	0.31	**343**	1	0.00	254	0.45	**394**	7	0.01	474	0.84
272	1	0.00	176	0.31	**344**	1	0.00	255	0.45	**395**	10	0.02	484	0.85
273	1	0.00	177	0.31	**345**	4	0.01	259	0.46	**396**	11	0.02	495	0.87
274	2	0.00	179	0.32	**346**	5	0.01	264	0.47	**397**	4	0.01	499	0.88
276	1	0.00	180	0.32	**347**	2	0.00	266	0.47	**398**	7	0.01	506	0.89
277	1	0.00	181	0.32	**348**	2	0.00	268	0.47	**399**	10	0.02	516	0.91
280	1	0.00	182	0.32	**349**	2	0.00	270	0.48	**400**	10	0.02	526	0.93
283	2	0.00	184	0.32	**350**	1	0.00	271	0.48	**401**	11	0.02	537	0.95
284	1	0.00	185	0.33	**351**	2	0.00	273	0.48	**402**	7	0.01	544	0.96
285	1	0.00	186	0.33	**352**	5	0.01	278	0.49	**403**	7	0.01	551	0.97
288	1	0.00	187	0.33	**353**	2	0.00	280	0.49	**404**	10	0.02	561	0.99
289	1	0.00	188	0.33	**355**	4	0.01	284	0.50	**405**	9	0.02	570	1.01
292	1	0.00	189	0.33	**356**	5	0.01	289	0.51	**406**	12	0.02	582	1.03
295	1	0.00	190	0.34	**357**	6	0.01	295	0.52	**407**	9	0.02	591	1.04
296	1	0.00	191	0.34	**358**	2	0.00	297	0.52	**408**	8	0.01	599	1.06
297	2	0.00	193	0.34	**359**	1	0.00	298	0.53	**409**	11	0.02	610	1.08
298	1	0.00	194	0.34	**360**	5	0.01	303	0.53	**410**	11	0.02	621	1.10
299	2	0.00	196	0.35	**361**	2	0.00	305	0.54	**411**	7	0.01	628	1.11
301	2	0.00	198	0.35	**362**	5	0.01	310	0.55	**412**	14	0.02	642	1.13
303	2	0.00	200	0.35	**363**	1	0.00	311	0.55	**413**	7	0.01	649	1.14
304	2	0.00	202	0.36	**364**	4	0.01	315	0.56	**414**	15	0.03	664	1.17
305	1	0.00	203	0.36	**365**	5	0.01	320	0.56	**415**	14	0.02	678	1.20
306	3	0.01	206	0.36	**366**	5	0.01	325	0.57	**416**	11	0.02	689	1.22
308	2	0.00	208	0.37	**367**	4	0.01	329	0.58	**417**	12	0.02	701	1.24
310	2	0.00	210	0.37	**368**	2	0.00	331	0.58	**418**	15	0.03	716	1.26
311	1	0.00	211	0.37	**369**	5	0.01	336	0.59	**419**	11	0.02	727	1.28
313	2	0.00	213	0.38	**370**	7	0.01	343	0.60	**420**	15	0.03	742	1.31
314	1	0.00	214	0.38	**371**	5	0.01	348	0.61	**421**	16	0.03	758	1.34
315	3	0.01	217	0.38	**372**	4	0.01	352	0.62	**422**	15	0.03	773	1.36
316	1	0.00	218	0.38	**373**	2	0.00	354	0.62	**423**	14	0.02	787	1.39
319	1	0.00	219	0.39	**374**	2	0.00	356	0.63	**424**	10	0.02	797	1.41
322	1	0.00	220	0.39	**375**	8	0.01	364	0.64	**425**	14	0.02	811	1.43
324	3	0.01	223	0.39	**376**	4	0.01	368	0.65	**426**	25	0.04	836	1.47
325	1	0.00	224	0.40	**377**	6	0.01	374	0.66	**427**	18	0.03	854	1.51
326	1	0.00	225	0.40	**378**	1	0.00	375	0.66	**428**	18	0.03	872	1.54
327	3	0.01	228	0.40	**379**	7	0.01	382	0.67	**429**	21	0.04	893	1.57
328	2	0.00	230	0.41	**380**	5	0.01	387	0.68	**430**	9	0.02	902	1.59
329	1	0.00	231	0.41	**381**	7	0.01	394	0.69	**431**	16	0.03	918	1.62
330	2	0.00	233	0.41	**382**	3	0.01	397	0.70	**432**	21	0.04	939	1.66
331	1	0.00	234	0.41	**383**	3	0.01	400	0.71	**433**	16	0.03	955	1.68
332	3	0.01	237	0.42	**384**	6	0.01	406	0.72	**434**	18	0.03	973	1.72
333	2	0.00	239	0.42	**385**	7	0.01	413	0.73	**435**	21	0.04	994	1.75
334	2	0.00	241	0.42	**386**	6	0.01	419	0.74	**436**	18	0.03	1012	1.78
335	1	0.00	242	0.43	**387**	9	0.02	428	0.75	**437**	33	0.06	1045	1.84
336	1	0.00	243	0.43	**388**	11	0.02	439	0.77	**438**	20	0.04	1065	1.88
337	4	0.01	247	0.44	**389**	5	0.01	444	0.78	**439**	21	0.04	1086	1.92

Table 167. Reading 5 Scale Score Distribution (Continued)

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

SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %
440	28	0.05	1114	1.96	**490**	49	0.09	2965	5.23	**540**	149	0.26	7648	13.49
441	14	0.02	1128	1.99	**491**	49	0.09	3014	5.32	**541**	156	0.28	7804	13.76
442	31	0.05	1159	2.04	**492**	68	0.12	3082	5.43	**542**	133	0.23	7937	14.00
443	18	0.03	1177	2.08	**493**	55	0.10	3137	5.53	**543**	147	0.26	8084	14.26
444	19	0.03	1196	2.11	**494**	68	0.12	3205	5.65	**544**	132	0.23	8216	14.49
445	22	0.04	1218	2.15	**495**	56	0.10	3261	5.75	**545**	145	0.26	8361	14.74
446	28	0.05	1246	2.20	**496**	64	0.11	3325	5.86	**546**	174	0.31	8535	15.05
447	32	0.06	1278	2.25	**497**	69	0.12	3394	5.99	**547**	153	0.27	8688	15.32
448	31	0.05	1309	2.31	**498**	55	0.10	3449	6.08	**548**	129	0.23	8817	15.55
449	26	0.05	1335	2.35	**499**	69	0.12	3518	6.20	**549**	155	0.27	8972	15.82
450	19	0.03	1354	2.39	**500**	57	0.10	3575	6.30	**550**	179	0.32	9151	16.14
451	22	0.04	1376	2.43	**501**	62	0.11	3637	6.41	**551**	171	0.30	9322	16.44
452	25	0.04	1401	2.47	**502**	68	0.12	3705	6.53	**552**	175	0.31	9497	16.75
453	24	0.04	1425	2.51	**503**	103	0.18	3808	6.72	**553**	166	0.29	9663	17.04
454	38	0.07	1463	2.58	**504**	74	0.13	3882	6.85	**554**	161	0.28	9824	17.32
455	36	0.06	1499	2.64	**505**	79	0.14	3961	6.99	**555**	176	0.31	10000	17.63
456	33	0.06	1532	2.70	**506**	80	0.14	4041	7.13	**556**	220	0.39	10220	18.02
457	44	0.08	1576	2.78	**507**	72	0.13	4113	7.25	**557**	197	0.35	10417	18.37
458	32	0.06	1608	2.84	**508**	96	0.17	4209	7.42	**558**	204	0.36	10621	18.73
459	34	0.06	1642	2.90	**509**	93	0.16	4302	7.59	**559**	213	0.38	10834	19.11
460	38	0.07	1680	2.96	**510**	76	0.13	4378	7.72	**560**	188	0.33	11022	19.44
461	28	0.05	1708	3.01	**511**	92	0.16	4470	7.88	**561**	196	0.35	11218	19.78
462	41	0.07	1749	3.08	**512**	96	0.17	4566	8.05	**562**	200	0.35	11418	20.14
463	41	0.07	1790	3.16	**513**	89	0.16	4655	8.21	**563**	218	0.38	11636	20.52
464	46	0.08	1836	3.24	**514**	84	0.15	4739	8.36	**564**	201	0.35	11837	20.87
465	31	0.05	1867	3.29	**515**	75	0.13	4814	8.49	**565**	194	0.34	12031	21.22
466	39	0.07	1906	3.36	**516**	90	0.16	4904	8.65	**566**	221	0.39	12252	21.61
467	24	0.04	1930	3.40	**517**	98	0.17	5002	8.82	**567**	240	0.42	12492	22.03
468	31	0.05	1961	3.46	**518**	115	0.20	5117	9.02	**568**	224	0.40	12716	22.42
469	37	0.07	1998	3.52	**519**	85	0.15	5202	9.17	**569**	230	0.41	12946	22.83
470	33	0.06	2031	3.58	**520**	75	0.13	5277	9.31	**570**	232	0.41	13178	23.24
471	48	0.08	2079	3.67	**521**	92	0.16	5369	9.47	**571**	243	0.43	13421	23.67
472	39	0.07	2118	3.73	**522**	107	0.19	5476	9.66	**572**	261	0.46	13682	24.13
473	45	0.08	2163	3.81	**523**	92	0.16	5568	9.82	**573**	226	0.40	13908	24.53
474	42	0.07	2205	3.89	**524**	99	0.17	5667	9.99	**574**	228	0.40	14136	24.93
475	40	0.07	2245	3.96	**525**	88	0.16	5755	10.15	**575**	247	0.44	14383	25.36
476	50	0.09	2295	4.05	**526**	112	0.20	5867	10.35	**576**	245	0.43	14628	25.80
477	38	0.07	2333	4.11	**527**	118	0.21	5985	10.55	**577**	242	0.43	14870	26.22
478	40	0.07	2373	4.18	**528**	101	0.18	6086	10.73	**578**	281	0.50	15151	26.72
479	51	0.09	2424	4.27	**529**	126	0.22	6212	10.95	**579**	259	0.46	15410	27.17
480	44	0.08	2468	4.35	**530**	103	0.18	6315	11.14	**580**	275	0.48	15685	27.66
481	45	0.08	2513	4.43	**531**	123	0.22	6438	11.35	**581**	291	0.51	15976	28.17
482	43	0.08	2556	4.51	**532**	120	0.21	6558	11.56	**582**	265	0.47	16241	28.64
483	55	0.10	2611	4.60	**533**	143	0.25	6701	11.82	**583**	281	0.50	16522	29.14
484	38	0.07	2649	4.67	**534**	141	0.25	6842	12.07	**584**	289	0.51	16811	29.65
485	60	0.11	2709	4.78	**535**	123	0.22	6965	12.28	**585**	296	0.52	17107	30.17
486	45	0.08	2754	4.86	**536**	124	0.22	7089	12.50	**586**	275	0.48	17382	30.65
487	57	0.10	2811	4.96	**537**	125	0.22	7214	12.72	**587**	276	0.49	17658	31.14
488	47	0.08	2858	5.04	**538**	130	0.23	7344	12.95	**588**	334	0.59	17992	31.73
489	58	0.10	2916	5.14	**539**	155	0.27	7499	13.22	**589**	288	0.51	18280	32.24

Table 167. Reading 5 Scale Score Distribution (Continued)

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

SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %
590	310	0.55	18590	32.78	**637**	371	0.65	35596	62.77	**684**	225	0.40	50342	88.78
591	293	0.52	18883	33.30	**638**	399	0.70	35995	63.48	**685**	198	0.35	50540	89.12
592	308	0.54	19191	33.84	**639**	370	0.65	36365	64.13	**686**	198	0.35	50738	89.47
593	304	0.54	19495	34.38	**640**	378	0.67	36743	64.79	**687**	199	0.35	50937	89.82
594	321	0.57	19816	34.94	**641**	360	0.63	37103	65.43	**688**	171	0.30	51108	90.13
595	302	0.53	20118	35.48	**642**	378	0.67	37481	66.10	**689**	191	0.34	51299	90.46
596	331	0.58	20449	36.06	**643**	383	0.68	37864	66.77	**690**	183	0.32	51482	90.79
597	312	0.55	20761	36.61	**644**	369	0.65	38233	67.42	**691**	178	0.31	51660	91.10
598	310	0.55	21071	37.16	**645**	361	0.64	38594	68.06	**692**	153	0.27	51813	91.37
599	343	0.60	21414	37.76	**646**	329	0.58	38923	68.64	**693**	197	0.35	52010	91.72
600	337	0.59	21751	38.36	**647**	371	0.65	39294	69.29	**694**	156	0.28	52166	91.99
601	354	0.62	22105	38.98	**648**	373	0.66	39667	69.95	**695**	186	0.33	52352	92.32
602	324	0.57	22429	39.55	**649**	381	0.67	40048	70.62	**696**	180	0.32	52532	92.64
603	363	0.64	22792	40.19	**650**	381	0.67	40429	71.29	**697**	168	0.30	52700	92.93
604	330	0.58	23122	40.77	**651**	353	0.62	40782	71.92	**698**	141	0.25	52841	93.18
605	360	0.63	23482	41.41	**652**	348	0.61	41130	72.53	**699**	145	0.26	52986	93.44
606	348	0.61	23830	42.02	**653**	344	0.61	41474	73.14	**700**	152	0.27	53138	93.71
607	356	0.63	24186	42.65	**654**	370	0.65	41844	73.79	**701**	144	0.25	53282	93.96
608	376	0.66	24562	43.31	**655**	339	0.60	42183	74.39	**702**	135	0.24	53417	94.20
609	390	0.69	24952	44.00	**656**	382	0.67	42565	75.06	**703**	127	0.22	53544	94.42
610	335	0.59	25287	44.59	**657**	303	0.53	42868	75.60	**704**	107	0.19	53651	94.61
611	359	0.63	25646	45.23	**658**	336	0.59	43204	76.19	**705**	114	0.20	53765	94.81
612	368	0.65	26014	45.87	**659**	355	0.63	43559	76.81	**706**	133	0.23	53898	95.05
613	366	0.65	26380	46.52	**660**	298	0.53	43857	77.34	**707**	98	0.17	53996	95.22
614	377	0.66	26757	47.18	**661**	310	0.55	44167	77.89	**708**	123	0.22	54119	95.44
615	359	0.63	27116	47.82	**662**	293	0.52	44460	78.40	**709**	107	0.19	54226	95.62
616	337	0.59	27453	48.41	**663**	325	0.57	44785	78.98	**710**	106	0.19	54332	95.81
617	406	0.72	27859	49.13	**664**	321	0.57	45106	79.54	**711**	110	0.19	54442	96.01
618	382	0.67	28241	49.80	**665**	361	0.64	45467	80.18	**712**	85	0.15	54527	96.16
619	365	0.64	28606	50.45	**666**	309	0.54	45776	80.72	**713**	99	0.17	54626	96.33
620	371	0.65	28977	51.10	**667**	279	0.49	46055	81.22	**714**	85	0.15	54711	96.48
621	393	0.69	29370	51.79	**668**	304	0.54	46359	81.75	**715**	77	0.14	54788	96.62
622	362	0.64	29732	52.43	**669**	278	0.49	46637	82.24	**716**	93	0.16	54881	96.78
623	426	0.75	30158	53.18	**670**	289	0.51	46926	82.75	**717**	94	0.17	54975	96.95
624	393	0.69	30551	53.88	**671**	265	0.47	47191	83.22	**718**	74	0.13	55049	97.08
625	376	0.66	30927	54.54	**672**	270	0.48	47461	83.70	**719**	65	0.11	55114	97.19
626	382	0.67	31309	55.21	**673**	233	0.41	47694	84.11	**720**	66	0.12	55180	97.31
627	386	0.68	31695	55.89	**674**	291	0.51	47985	84.62	**721**	64	0.11	55244	97.42
628	362	0.64	32057	56.53	**675**	276	0.49	48261	85.11	**722**	68	0.12	55312	97.54
629	391	0.69	32448	57.22	**676**	241	0.42	48502	85.53	**723**	69	0.12	55381	97.66
630	406	0.72	32854	57.94	**677**	236	0.42	48738	85.95	**724**	45	0.08	55426	97.74
631	400	0.71	33254	58.64	**678**	222	0.39	48960	86.34	**725**	59	0.10	55485	97.85
632	375	0.66	33629	59.30	**679**	250	0.44	49210	86.78	**726**	52	0.09	55537	97.94
633	440	0.78	34069	60.08	**680**	242	0.43	49452	87.21	**727**	40	0.07	55577	98.01
634	385	0.68	34454	60.76	**681**	221	0.39	49673	87.60	**728**	45	0.08	55622	98.09
635	380	0.67	34834	61.43	**682**	228	0.40	49901	88.00	**729**	59	0.10	55681	98.19
636	391	0.69	35225	62.12	**683**	216	0.38	50117	88.38	**730**	37	0.07	55718	98.26

Table 167. Reading 5 Scale Score Distribution (Concluded)

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

SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %
731	42	0.07	55760	98.33	**781**	4	0.01	56625	99.86
732	51	0.09	55811	98.42	**782**	3	0.01	56628	99.86
733	41	0.07	55852	98.49	**783**	5	0.01	56633	99.87
734	40	0.07	55892	98.56	**784**	4	0.01	56637	99.88
735	42	0.07	55934	98.64	**785**	5	0.01	56642	99.89
736	34	0.06	55968	98.70	**786**	4	0.01	56646	99.89
737	31	0.05	55999	98.75	**787**	2	0.00	56648	99.90
738	35	0.06	56034	98.81	**788**	1	0.00	56649	99.90
739	30	0.05	56064	98.87	**789**	1	0.00	56650	99.90
740	33	0.06	56097	98.92	**790**	1	0.00	56651	99.90
741	20	0.04	56117	98.96	**791**	1	0.00	56652	99.90
742	26	0.05	56143	99.01	**792**	2	0.00	56654	99.91
743	27	0.05	56170	99.05	**793**	6	0.01	56660	99.92
744	24	0.04	56194	99.10	**794**	1	0.00	56661	99.92
745	33	0.06	56227	99.15	**795**	2	0.00	56663	99.92
746	21	0.04	56248	99.19	**796**	1	0.00	56664	99.92
747	19	0.03	56267	99.22	**797**	6	0.01	56670	99.93
748	18	0.03	56285	99.26	**798**	1	0.00	56671	99.94
749	22	0.04	56307	99.29	**799**	1	0.00	56672	99.94
750	17	0.03	56324	99.32	**800**	2	0.00	56674	99.94
751	23	0.04	56347	99.37	**801**	2	0.00	56676	99.95
752	17	0.03	56364	99.40	**802**	2	0.00	56678	99.95
753	14	0.02	56378	99.42	**804**	1	0.00	56679	99.95
754	15	0.03	56393	99.45	**805**	2	0.00	56681	99.95
755	12	0.02	56405	99.47	**806**	1	0.00	56682	99.96
756	12	0.02	56417	99.49	**809**	2	0.00	56684	99.96
757	11	0.02	56428	99.51	**810**	1	0.00	56685	99.96
758	16	0.03	56444	99.54	**811**	1	0.00	56686	99.96
759	11	0.02	56455	99.56	**812**	1	0.00	56687	99.96
760	16	0.03	56471	99.58	**814**	1	0.00	56688	99.97
761	8	0.01	56479	99.60	**817**	1	0.00	56689	99.97
762	9	0.02	56488	99.61	**818**	2	0.00	56691	99.97
763	11	0.02	56499	99.63	**819**	1	0.00	56692	99.97
764	14	0.02	56513	99.66	**823**	2	0.00	56694	99.98
765	12	0.02	56525	99.68	**826**	1	0.00	56695	99.98
766	15	0.03	56540	99.71	**828**	1	0.00	56696	99.98
767	7	0.01	56547	99.72	**829**	1	0.00	56697	99.98
768	7	0.01	56554	99.73	**831**	2	0.00	56699	99.99
769	7	0.01	56561	99.74	**832**	1	0.00	56700	99.99
770	4	0.01	56565	99.75	**833**	1	0.00	56701	99.99
771	4	0.01	56569	99.76	**836**	1	0.00	56702	99.99
772	8	0.01	56577	99.77	**839**	1	0.00	56703	99.99
773	5	0.01	56582	99.78	**850**	1	0.00	56704	99.99
774	10	0.02	56592	99.80	**858**	1	0.00	56705	100.00
775	3	0.01	56595	99.80	**864**	1	0.00	56706	100.00
776	3	0.01	56598	99.81	**869**	1	0.00	56707	100.00
777	9	0.02	56607	99.82					
778	8	0.01	56615	99.84					
779	3	0.01	56618	99.84					
780	3	0.01	56621	99.85					

Table 168. Writing 5 Scale Score Distribution

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

SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %
220	12	0.02	12	0.02	**322**	3	0.01	87	0.15	**373**	17	0.03	507	0.89
224	1	0.00	13	0.02	**323**	3	0.01	90	0.16	**374**	23	0.04	530	0.93
228	1	0.00	14	0.02	**324**	4	0.01	94	0.17	**375**	28	0.05	558	0.98
229	1	0.00	15	0.03	**326**	1	0.00	95	0.17	**376**	16	0.03	574	1.01
236	1	0.00	16	0.03	**327**	3	0.01	98	0.17	**377**	24	0.04	598	1.05
239	1	0.00	17	0.03	**328**	2	0.00	100	0.18	**378**	24	0.04	622	1.10
240	2	0.00	19	0.03	**329**	5	0.01	105	0.19	**379**	23	0.04	645	1.14
241	1	0.00	20	0.04	**330**	2	0.00	107	0.19	**380**	26	0.05	671	1.18
243	1	0.00	21	0.04	**331**	1	0.00	108	0.19	**381**	23	0.04	694	1.22
259	1	0.00	22	0.04	**332**	4	0.01	112	0.20	**382**	28	0.05	722	1.27
263	1	0.00	23	0.04	**333**	1	0.00	113	0.20	**383**	33	0.06	755	1.33
268	1	0.00	24	0.04	**334**	4	0.01	117	0.21	**384**	36	0.06	791	1.39
269	4	0.01	28	0.05	**335**	2	0.00	119	0.21	**385**	32	0.06	823	1.45
270	1	0.00	29	0.05	**336**	4	0.01	123	0.22	**386**	24	0.04	847	1.49
273	1	0.00	30	0.05	**337**	4	0.01	127	0.22	**387**	33	0.06	880	1.55
274	1	0.00	31	0.05	**338**	2	0.00	129	0.23	**388**	43	0.08	923	1.63
275	1	0.00	32	0.06	**339**	2	0.00	131	0.23	**389**	40	0.07	963	1.70
276	1	0.00	33	0.06	**340**	6	0.01	137	0.24	**390**	37	0.07	1000	1.76
280	1	0.00	34	0.06	**341**	5	0.01	142	0.25	**391**	44	0.08	1044	1.84
281	1	0.00	35	0.06	**342**	4	0.01	146	0.26	**392**	46	0.08	1090	1.92
282	1	0.00	36	0.06	**343**	5	0.01	151	0.27	**393**	37	0.07	1127	1.99
283	1	0.00	37	0.07	**344**	2	0.00	153	0.27	**394**	33	0.06	1160	2.05
286	1	0.00	38	0.07	**345**	3	0.01	156	0.28	**395**	46	0.08	1206	2.13
287	1	0.00	39	0.07	**346**	5	0.01	161	0.28	**396**	47	0.08	1253	2.21
288	1	0.00	40	0.07	**347**	2	0.00	163	0.29	**397**	59	0.10	1312	2.31
290	1	0.00	41	0.07	**348**	4	0.01	167	0.29	**398**	52	0.09	1364	2.41
291	2	0.00	43	0.08	**349**	8	0.01	175	0.31	**399**	49	0.09	1413	2.49
292	1	0.00	44	0.08	**350**	6	0.01	181	0.32	**400**	59	0.10	1472	2.60
294	2	0.00	46	0.08	**351**	9	0.02	190	0.34	**401**	61	0.11	1533	2.70
295	2	0.00	48	0.08	**352**	8	0.01	198	0.35	**402**	63	0.11	1596	2.81
296	1	0.00	49	0.09	**353**	9	0.02	207	0.37	**403**	60	0.11	1656	2.92
297	1	0.00	50	0.09	**354**	5	0.01	212	0.37	**404**	63	0.11	1719	3.03
298	1	0.00	51	0.09	**355**	5	0.01	217	0.38	**405**	60	0.11	1779	3.14
301	2	0.00	53	0.09	**356**	11	0.02	228	0.40	**406**	71	0.13	1850	3.26
302	3	0.01	56	0.10	**357**	14	0.02	242	0.43	**407**	74	0.13	1924	3.39
303	2	0.00	58	0.10	**358**	12	0.02	254	0.45	**408**	90	0.16	2014	3.55
304	2	0.00	60	0.11	**359**	19	0.03	273	0.48	**409**	88	0.16	2102	3.71
305	3	0.01	63	0.11	**360**	14	0.02	287	0.51	**410**	84	0.15	2186	3.86
306	2	0.00	65	0.11	**361**	15	0.03	302	0.53	**411**	96	0.17	2282	4.02
307	3	0.01	68	0.12	**362**	9	0.02	311	0.55	**412**	84	0.15	2366	4.17
308	1	0.00	69	0.12	**363**	18	0.03	329	0.58	**413**	75	0.13	2441	4.30
309	1	0.00	70	0.12	**364**	14	0.02	343	0.60	**414**	78	0.14	2519	4.44
311	1	0.00	71	0.13	**365**	12	0.02	355	0.63	**415**	101	0.18	2620	4.62
313	2	0.00	73	0.13	**366**	18	0.03	373	0.66	**416**	106	0.19	2726	4.81
315	2	0.00	75	0.13	**367**	19	0.03	392	0.69	**417**	120	0.21	2846	5.02
316	2	0.00	77	0.14	**368**	22	0.04	414	0.73	**418**	98	0.17	2944	5.19
317	1	0.00	78	0.14	**369**	12	0.02	426	0.75	**419**	116	0.20	3060	5.40
318	2	0.00	80	0.14	**370**	21	0.04	447	0.79	**420**	123	0.22	3183	5.61
319	1	0.00	81	0.14	**371**	20	0.04	467	0.82	**421**	124	0.22	3307	5.83
321	3	0.01	84	0.15	**372**	23	0.04	490	0.86	**422**	113	0.20	3420	6.03

Table 168. Writing 5 Scale Score Distribution (Continued)

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

SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %
423	133	0.23	3553	6.27	**473**	307	0.54	15029	26.50	**523**	420	0.74	35258	62.18
424	129	0.23	3682	6.49	**474**	385	0.68	15414	27.18	**524**	419	0.74	35677	62.92
425	141	0.25	3823	6.74	**475**	354	0.62	15768	27.81	**525**	417	0.74	36094	63.65
426	133	0.23	3956	6.98	**476**	362	0.64	16130	28.45	**526**	430	0.76	36524	64.41
427	145	0.26	4101	7.23	**477**	360	0.63	16490	29.08	**527**	415	0.73	36939	65.14
428	138	0.24	4239	7.48	**478**	364	0.64	16854	29.72	**528**	425	0.75	37364	65.89
429	154	0.27	4393	7.75	**479**	344	0.61	17198	30.33	**529**	405	0.71	37769	66.61
430	176	0.31	4569	8.06	**480**	385	0.68	17583	31.01	**530**	389	0.69	38158	67.29
431	144	0.25	4713	8.31	**481**	363	0.64	17946	31.65	**531**	430	0.76	38588	68.05
432	157	0.28	4870	8.59	**482**	381	0.67	18327	32.32	**532**	399	0.70	38987	68.76
433	151	0.27	5021	8.85	**483**	351	0.62	18678	32.94	**533**	381	0.67	39368	69.43
434	168	0.30	5189	9.15	**484**	368	0.65	19046	33.59	**534**	369	0.65	39737	70.08
435	142	0.25	5331	9.40	**485**	359	0.63	19405	34.22	**535**	395	0.70	40132	70.77
436	176	0.31	5507	9.71	**486**	362	0.64	19767	34.86	**536**	367	0.65	40499	71.42
437	181	0.32	5688	10.03	**487**	376	0.66	20143	35.52	**537**	388	0.68	40887	72.11
438	195	0.34	5883	10.37	**488**	398	0.70	20541	36.22	**538**	358	0.63	41245	72.74
439	185	0.33	6068	10.70	**489**	429	0.76	20970	36.98	**539**	381	0.67	41626	73.41
440	193	0.34	6261	11.04	**490**	363	0.64	21333	37.62	**540**	383	0.68	42009	74.08
441	206	0.36	6467	11.40	**491**	375	0.66	21708	38.28	**541**	339	0.60	42348	74.68
442	189	0.33	6656	11.74	**492**	393	0.69	22101	38.98	**542**	339	0.60	42687	75.28
443	226	0.40	6882	12.14	**493**	418	0.74	22519	39.71	**543**	325	0.57	43012	75.85
444	205	0.36	7087	12.50	**494**	390	0.69	22909	40.40	**544**	334	0.59	43346	76.44
445	215	0.38	7302	12.88	**495**	427	0.75	23336	41.15	**545**	360	0.63	43706	77.08
446	221	0.39	7523	13.27	**496**	441	0.78	23777	41.93	**546**	334	0.59	44040	77.67
447	231	0.41	7754	13.67	**497**	407	0.72	24184	42.65	**547**	295	0.52	44335	78.19
448	219	0.39	7973	14.06	**498**	439	0.77	24623	43.42	**548**	299	0.53	44634	78.71
449	221	0.39	8194	14.45	**499**	426	0.75	25049	44.18	**549**	339	0.60	44973	79.31
450	228	0.40	8422	14.85	**500**	398	0.70	25447	44.88	**550**	327	0.58	45300	79.89
451	247	0.44	8669	15.29	**501**	421	0.74	25868	45.62	**551**	328	0.58	45628	80.47
452	236	0.42	8905	15.70	**502**	427	0.75	26295	46.37	**552**	290	0.51	45918	80.98
453	262	0.46	9167	16.17	**503**	402	0.71	26697	47.08	**553**	271	0.48	46189	81.46
454	248	0.44	9415	16.60	**504**	439	0.77	27136	47.86	**554**	259	0.46	46448	81.91
455	271	0.48	9686	17.08	**505**	432	0.76	27568	48.62	**555**	290	0.51	46738	82.42
456	274	0.48	9960	17.56	**506**	452	0.80	28020	49.41	**556**	272	0.48	47010	82.90
457	276	0.49	10236	18.05	**507**	455	0.80	28475	50.22	**557**	270	0.48	47280	83.38
458	263	0.46	10499	18.52	**508**	456	0.80	28931	51.02	**558**	258	0.45	47538	83.84
459	272	0.48	10771	19.00	**509**	416	0.73	29347	51.75	**559**	252	0.44	47790	84.28
460	278	0.49	11049	19.49	**510**	421	0.74	29768	52.50	**560**	243	0.43	48033	84.71
461	273	0.48	11322	19.97	**511**	411	0.72	30179	53.22	**561**	267	0.47	48300	85.18
462	260	0.46	11582	20.43	**512**	413	0.73	30592	53.95	**562**	253	0.45	48553	85.63
463	285	0.50	11867	20.93	**513**	410	0.72	31002	54.67	**563**	205	0.36	48758	85.99
464	303	0.53	12170	21.46	**514**	467	0.82	31469	55.50	**564**	225	0.40	48983	86.38
465	309	0.54	12479	22.01	**515**	416	0.73	31885	56.23	**565**	224	0.40	49207	86.78
466	319	0.56	12798	22.57	**516**	453	0.80	32338	57.03	**566**	231	0.41	49438	87.19
467	291	0.51	13089	23.08	**517**	407	0.72	32745	57.75	**567**	224	0.40	49662	87.58
468	319	0.56	13408	23.65	**518**	414	0.73	33159	58.48	**568**	195	0.34	49857	87.93
469	325	0.57	13733	24.22	**519**	430	0.76	33589	59.24	**569**	202	0.36	50059	88.28
470	319	0.56	14052	24.78	**520**	407	0.72	33996	59.95	**570**	182	0.32	50241	88.60
471	325	0.57	14377	25.35	**521**	411	0.72	34407	60.68	**571**	175	0.31	50416	88.91
472	345	0.61	14722	25.96	**522**	431	0.76	34838	61.44	**572**	177	0.31	50593	89.22

Table 168. Writing 5 Scale Score Distribution (Concluded)

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

SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %
573	194	0.34	50787	89.57	**623**	33	0.06	55630	98.11	**673**	3	0.01	56503	99.65
574	173	0.31	50960	89.87	**624**	29	0.05	55659	98.16	**674**	5	0.01	56508	99.65
575	176	0.31	51136	90.18	**625**	36	0.06	55695	98.22	**675**	6	0.01	56514	99.66
576	195	0.34	51331	90.52	**626**	30	0.05	55725	98.27	**676**	4	0.01	56518	99.67
577	180	0.32	51511	90.84	**627**	34	0.06	55759	98.33	**677**	2	0.00	56520	99.68
578	157	0.28	51668	91.12	**628**	39	0.07	55798	98.40	**678**	1	0.00	56521	99.68
579	140	0.25	51808	91.37	**629**	37	0.07	55835	98.47	**679**	5	0.01	56526	99.69
580	162	0.29	51970	91.65	**630**	29	0.05	55864	98.52	**680**	6	0.01	56532	99.70
581	175	0.31	52145	91.96	**631**	24	0.04	55888	98.56	**681**	2	0.00	56534	99.70
582	149	0.26	52294	92.22	**632**	32	0.06	55920	98.62	**682**	2	0.00	56536	99.70
583	139	0.25	52433	92.47	**633**	33	0.06	55953	98.68	**683**	8	0.01	56544	99.72
584	131	0.23	52564	92.70	**634**	16	0.03	55969	98.70	**685**	18	0.03	56562	99.75
585	130	0.23	52694	92.93	**635**	21	0.04	55990	98.74	**686**	9	0.02	56571	99.77
586	135	0.24	52829	93.17	**636**	18	0.03	56008	98.77	**687**	14	0.02	56585	99.79
587	134	0.24	52963	93.40	**637**	18	0.03	56026	98.80	**689**	7	0.01	56592	99.80
588	121	0.21	53084	93.62	**638**	23	0.04	56049	98.84	**690**	4	0.01	56596	99.81
589	122	0.22	53206	93.83	**639**	27	0.05	56076	98.89	**691**	2	0.00	56598	99.81
590	126	0.22	53332	94.05	**640**	22	0.04	56098	98.93	**692**	7	0.01	56605	99.83
591	113	0.20	53445	94.25	**641**	19	0.03	56117	98.96	**693**	8	0.01	56613	99.84
592	103	0.18	53548	94.43	**642**	20	0.04	56137	99.00	**694**	3	0.01	56616	99.84
593	112	0.20	53660	94.63	**643**	15	0.03	56152	99.03	**695**	10	0.02	56626	99.86
594	98	0.17	53758	94.80	**644**	21	0.04	56173	99.06	**697**	5	0.01	56631	99.87
595	103	0.18	53861	94.99	**645**	27	0.05	56200	99.11	**698**	2	0.00	56633	99.87
596	90	0.16	53951	95.14	**646**	18	0.03	56218	99.14	**699**	2	0.00	56635	99.88
597	101	0.18	54052	95.32	**647**	19	0.03	56237	99.18	**700**	3	0.01	56638	99.88
598	88	0.16	54140	95.48	**648**	10	0.02	56247	99.19	**701**	5	0.01	56643	99.89
599	75	0.13	54215	95.61	**649**	14	0.02	56261	99.22	**702**	2	0.00	56645	99.90
600	83	0.15	54298	95.76	**650**	10	0.02	56271	99.24	**703**	3	0.01	56648	99.90
601	72	0.13	54370	95.88	**651**	14	0.02	56285	99.26	**705**	1	0.00	56649	99.90
602	79	0.14	54449	96.02	**652**	14	0.02	56299	99.29	**706**	1	0.00	56650	99.90
603	106	0.19	54555	96.21	**653**	12	0.02	56311	99.31	**709**	1	0.00	56651	99.91
604	97	0.17	54652	96.38	**654**	10	0.02	56321	99.32	**712**	1	0.00	56652	99.91
605	83	0.15	54735	96.53	**655**	13	0.02	56334	99.35	**713**	2	0.00	56654	99.91
606	61	0.11	54796	96.64	**656**	11	0.02	56345	99.37	**715**	1	0.00	56655	99.91
607	65	0.11	54861	96.75	**657**	12	0.02	56357	99.39	**718**	2	0.00	56657	99.92
608	67	0.12	54928	96.87	**658**	9	0.02	56366	99.40	**722**	3	0.01	56660	99.92
609	77	0.14	55005	97.00	**659**	17	0.03	56383	99.43	**723**	1	0.00	56661	99.92
610	48	0.08	55053	97.09	**660**	8	0.01	56391	99.45	**726**	4	0.01	56665	99.93
611	56	0.10	55109	97.19	**661**	5	0.01	56396	99.46	**730**	6	0.01	56671	99.94
612	34	0.06	55143	97.25	**662**	12	0.02	56408	99.48	**732**	10	0.02	56681	99.96
613	54	0.10	55197	97.34	**663**	15	0.03	56423	99.50	**734**	1	0.00	56682	99.96
614	49	0.09	55246	97.43	**664**	11	0.02	56434	99.52	**735**	7	0.01	56689	99.97
615	39	0.07	55285	97.50	**665**	19	0.03	56453	99.56	**741**	1	0.00	56690	99.98
616	52	0.09	55337	97.59	**666**	15	0.03	56468	99.58	**742**	1	0.00	56691	99.98
617	50	0.09	55387	97.68	**667**	6	0.01	56474	99.59	**746**	3	0.01	56694	99.98
618	54	0.10	55441	97.77	**668**	3	0.01	56477	99.60	**765**	2	0.00	56696	99.99
619	42	0.07	55483	97.85	**669**	8	0.01	56485	99.61	**780**	8	0.01	56704	100.00
620	46	0.08	55529	97.93	**670**	9	0.02	56494	99.63					
621	35	0.06	55564	97.99	**671**	4	0.01	56498	99.64					
622	33	0.06	55597	98.05	**672**	2	0.00	56500	99.64					

Table 169. Mathematics 5 Scale Score Distribution

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

SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %
220	65	0.11	65	0.11	**274**	9	0.02	220	0.39	**324**	22	0.04	724	1.28
221	1	0.00	66	0.12	**275**	5	0.01	225	0.40	**325**	10	0.02	734	1.29
222	3	0.01	69	0.12	**276**	4	0.01	229	0.40	**326**	20	0.04	754	1.33
223	2	0.00	71	0.13	**277**	4	0.01	233	0.41	**327**	21	0.04	775	1.37
224	5	0.01	76	0.13	**278**	9	0.02	242	0.43	**328**	15	0.03	790	1.39
225	1	0.00	77	0.14	**279**	4	0.01	246	0.43	**329**	21	0.04	811	1.43
226	2	0.00	79	0.14	**280**	5	0.01	251	0.44	**330**	28	0.05	839	1.48
227	1	0.00	80	0.14	**281**	2	0.00	253	0.45	**331**	26	0.05	865	1.52
229	1	0.00	81	0.14	**282**	6	0.01	259	0.46	**332**	26	0.05	891	1.57
230	3	0.01	84	0.15	**283**	6	0.01	265	0.47	**333**	20	0.04	911	1.61
231	1	0.00	85	0.15	**284**	7	0.01	272	0.48	**334**	13	0.02	924	1.63
232	2	0.00	87	0.15	**285**	4	0.01	276	0.49	**335**	18	0.03	942	1.66
233	1	0.00	88	0.16	**286**	9	0.02	285	0.50	**336**	13	0.02	955	1.68
234	3	0.01	91	0.16	**287**	7	0.01	292	0.51	**337**	19	0.03	974	1.72
235	1	0.00	92	0.16	**288**	4	0.01	296	0.52	**338**	33	0.06	1007	1.77
236	5	0.01	97	0.17	**289**	4	0.01	300	0.53	**339**	20	0.04	1027	1.81
238	2	0.00	99	0.17	**290**	5	0.01	305	0.54	**340**	23	0.04	1050	1.85
239	1	0.00	100	0.18	**291**	6	0.01	311	0.55	**341**	23	0.04	1073	1.89
240	1	0.00	101	0.18	**292**	9	0.02	320	0.56	**342**	22	0.04	1095	1.93
241	2	0.00	103	0.18	**293**	6	0.01	326	0.57	**343**	22	0.04	1117	1.97
242	4	0.01	107	0.19	**294**	7	0.01	333	0.59	**344**	32	0.06	1149	2.03
243	2	0.00	109	0.19	**295**	7	0.01	340	0.60	**345**	20	0.04	1169	2.06
244	1	0.00	110	0.19	**296**	13	0.02	353	0.62	**346**	27	0.05	1196	2.11
245	1	0.00	111	0.20	**297**	11	0.02	364	0.64	**347**	19	0.03	1215	2.14
246	3	0.01	114	0.20	**298**	17	0.03	381	0.67	**348**	27	0.05	1242	2.19
247	3	0.01	117	0.21	**299**	7	0.01	388	0.68	**349**	28	0.05	1270	2.24
248	1	0.00	118	0.21	**300**	16	0.03	404	0.71	**350**	32	0.06	1302	2.29
249	1	0.00	119	0.21	**301**	6	0.01	410	0.72	**351**	27	0.05	1329	2.34
250	2	0.00	121	0.21	**302**	11	0.02	421	0.74	**352**	34	0.06	1363	2.40
251	1	0.00	122	0.22	**303**	13	0.02	434	0.76	**353**	22	0.04	1385	2.44
252	2	0.00	124	0.22	**304**	11	0.02	445	0.78	**354**	30	0.05	1415	2.49
253	3	0.01	127	0.22	**305**	11	0.02	456	0.80	**355**	19	0.03	1434	2.53
254	5	0.01	132	0.23	**306**	16	0.03	472	0.83	**356**	30	0.05	1464	2.58
256	3	0.01	135	0.24	**307**	19	0.03	491	0.87	**357**	39	0.07	1503	2.65
257	3	0.01	138	0.24	**308**	15	0.03	506	0.89	**358**	32	0.06	1535	2.71
258	6	0.01	144	0.25	**309**	8	0.01	514	0.91	**359**	29	0.05	1564	2.76
259	7	0.01	151	0.27	**310**	13	0.02	527	0.93	**360**	40	0.07	1604	2.83
260	3	0.01	154	0.27	**311**	6	0.01	533	0.94	**361**	43	0.08	1647	2.90
261	5	0.01	159	0.28	**312**	12	0.02	545	0.96	**362**	48	0.08	1695	2.99
263	4	0.01	163	0.29	**313**	13	0.02	558	0.98	**363**	32	0.06	1727	3.04
264	6	0.01	169	0.30	**314**	15	0.03	573	1.01	**364**	35	0.06	1762	3.11
265	4	0.01	173	0.30	**315**	16	0.03	589	1.04	**365**	49	0.09	1811	3.19
266	2	0.00	175	0.31	**316**	11	0.02	600	1.06	**366**	47	0.08	1858	3.27
267	6	0.01	181	0.32	**317**	7	0.01	607	1.07	**367**	40	0.07	1898	3.35
268	2	0.00	183	0.32	**318**	14	0.02	621	1.09	**368**	46	0.08	1944	3.43
269	3	0.01	186	0.33	**319**	12	0.02	633	1.12	**369**	56	0.10	2000	3.53
270	7	0.01	193	0.34	**320**	12	0.02	645	1.14	**370**	46	0.08	2046	3.61
271	4	0.01	197	0.35	**321**	22	0.04	667	1.18	**371**	42	0.07	2088	3.68
272	8	0.01	205	0.36	**322**	16	0.03	683	1.20	**372**	51	0.09	2139	3.77
273	6	0.01	211	0.37	**323**	19	0.03	702	1.24	**373**	45	0.08	2184	3.85

Table 169. Mathematics 5 Scale Score Distribution (Continued)

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

SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %
374	50	0.09	2234	3.94	**424**	127	0.22	6412	11.30	**474**	229	0.40	15103	26.62
375	47	0.08	2281	4.02	**425**	120	0.21	6532	11.51	**475**	238	0.42	15341	27.04
376	54	0.10	2335	4.12	**426**	141	0.25	6673	11.76	**476**	229	0.40	15570	27.44
377	63	0.11	2398	4.23	**427**	120	0.21	6793	11.97	**477**	232	0.41	15802	27.85
378	59	0.10	2457	4.33	**428**	145	0.26	6938	12.23	**478**	239	0.42	16041	28.27
379	54	0.10	2511	4.43	**429**	153	0.27	7091	12.50	**479**	255	0.45	16296	28.72
380	48	0.08	2559	4.51	**430**	150	0.26	7241	12.76	**480**	240	0.42	16536	29.15
381	65	0.11	2624	4.62	**431**	113	0.20	7354	12.96	**481**	263	0.46	16799	29.61
382	55	0.10	2679	4.72	**432**	125	0.22	7479	13.18	**482**	276	0.49	17075	30.10
383	56	0.10	2735	4.82	**433**	137	0.24	7616	13.42	**483**	237	0.42	17312	30.51
384	61	0.11	2796	4.93	**434**	156	0.27	7772	13.70	**484**	227	0.40	17539	30.91
385	58	0.10	2854	5.03	**435**	131	0.23	7903	13.93	**485**	262	0.46	17801	31.38
386	69	0.12	2923	5.15	**436**	145	0.26	8048	14.18	**486**	226	0.40	18027	31.77
387	66	0.12	2989	5.27	**437**	141	0.25	8189	14.43	**487**	221	0.39	18248	32.16
388	58	0.10	3047	5.37	**438**	136	0.24	8325	14.67	**488**	267	0.47	18515	32.63
389	64	0.11	3111	5.48	**439**	185	0.33	8510	15.00	**489**	274	0.48	18789	33.12
390	67	0.12	3178	5.60	**440**	155	0.27	8665	15.27	**490**	259	0.46	19048	33.57
391	80	0.14	3258	5.74	**441**	149	0.26	8814	15.54	**491**	266	0.47	19314	34.04
392	78	0.14	3336	5.88	**442**	159	0.28	8973	15.82	**492**	296	0.52	19610	34.56
393	74	0.13	3410	6.01	**443**	159	0.28	9132	16.10	**493**	249	0.44	19859	35.00
394	75	0.13	3485	6.14	**444**	151	0.27	9283	16.36	**494**	265	0.47	20124	35.47
395	72	0.13	3557	6.27	**445**	167	0.29	9450	16.66	**495**	241	0.42	20365	35.89
396	82	0.14	3639	6.41	**446**	166	0.29	9616	16.95	**496**	247	0.44	20612	36.33
397	65	0.11	3704	6.53	**447**	166	0.29	9782	17.24	**497**	299	0.53	20911	36.86
398	87	0.15	3791	6.68	**448**	165	0.29	9947	17.53	**498**	299	0.53	21210	37.38
399	56	0.10	3847	6.78	**449**	155	0.27	10102	17.81	**499**	238	0.42	21448	37.80
400	84	0.15	3931	6.93	**450**	172	0.30	10274	18.11	**500**	246	0.43	21694	38.24
401	75	0.13	4006	7.06	**451**	190	0.33	10464	18.44	**501**	302	0.53	21996	38.77
402	91	0.16	4097	7.22	**452**	179	0.32	10643	18.76	**502**	289	0.51	22285	39.28
403	97	0.17	4194	7.39	**453**	174	0.31	10817	19.07	**503**	273	0.48	22558	39.76
404	85	0.15	4279	7.54	**454**	170	0.30	10987	19.37	**504**	272	0.48	22830	40.24
405	68	0.12	4347	7.66	**455**	191	0.34	11178	19.70	**505**	289	0.51	23119	40.75
406	92	0.16	4439	7.82	**456**	203	0.36	11381	20.06	**506**	304	0.54	23423	41.28
407	91	0.16	4530	7.98	**457**	179	0.32	11560	20.38	**507**	287	0.51	23710	41.79
408	93	0.16	4623	8.15	**458**	202	0.36	11762	20.73	**508**	301	0.53	24011	42.32
409	95	0.17	4718	8.32	**459**	196	0.35	11958	21.08	**509**	270	0.48	24281	42.80
410	105	0.19	4823	8.50	**460**	194	0.34	12152	21.42	**510**	318	0.56	24599	43.36
411	115	0.20	4938	8.70	**461**	191	0.34	12343	21.76	**511**	300	0.53	24899	43.89
412	112	0.20	5050	8.90	**462**	178	0.31	12521	22.07	**512**	283	0.50	25182	44.38
413	87	0.15	5137	9.05	**463**	210	0.37	12731	22.44	**513**	294	0.52	25476	44.90
414	101	0.18	5238	9.23	**464**	205	0.36	12936	22.80	**514**	307	0.54	25783	45.44
415	103	0.18	5341	9.41	**465**	181	0.32	13117	23.12	**515**	280	0.49	26063	45.94
416	106	0.19	5447	9.60	**466**	206	0.36	13323	23.48	**516**	315	0.56	26378	46.49
417	123	0.22	5570	9.82	**467**	190	0.33	13513	23.82	**517**	264	0.47	26642	46.96
418	123	0.22	5693	10.03	**468**	242	0.43	13755	24.24	**518**	278	0.49	26920	47.45
419	102	0.18	5795	10.21	**469**	231	0.41	13986	24.65	**519**	288	0.51	27208	47.96
420	123	0.22	5918	10.43	**470**	233	0.41	14219	25.06	**520**	305	0.54	27513	48.49
421	127	0.22	6045	10.65	**471**	208	0.37	14427	25.43	**521**	300	0.53	27813	49.02
422	118	0.21	6163	10.86	**472**	218	0.38	14645	25.81	**522**	304	0.54	28117	49.56
423	122	0.22	6285	11.08	**473**	229	0.40	14874	26.22	**523**	322	0.57	28439	50.13

Table 169. Mathematics 5 Scale Score Distribution (Continued)

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

SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %
524	289	0.51	28728	50.63	**571**	224	0.39	42545	74.99	**618**	132	0.23	51620	90.98
525	315	0.56	29043	51.19	**572**	232	0.41	42777	75.40	**619**	120	0.21	51740	91.19
526	313	0.55	29356	51.74	**573**	276	0.49	43053	75.88	**620**	138	0.24	51878	91.44
527	315	0.56	29671	52.30	**574**	238	0.42	43291	76.30	**621**	121	0.21	51999	91.65
528	290	0.51	29961	52.81	**575**	237	0.42	43528	76.72	**622**	116	0.20	52115	91.86
529	333	0.59	30294	53.39	**576**	249	0.44	43777	77.16	**623**	118	0.21	52233	92.06
530	316	0.56	30610	53.95	**577**	264	0.47	44041	77.62	**624**	111	0.20	52344	92.26
531	317	0.56	30927	54.51	**578**	221	0.39	44262	78.01	**625**	99	0.17	52443	92.43
532	287	0.51	31214	55.02	**579**	251	0.44	44513	78.46	**626**	114	0.20	52557	92.63
533	312	0.55	31526	55.57	**580**	238	0.42	44751	78.88	**627**	123	0.22	52680	92.85
534	339	0.60	31865	56.16	**581**	234	0.41	44985	79.29	**628**	97	0.17	52777	93.02
535	345	0.61	32210	56.77	**582**	233	0.41	45218	79.70	**629**	119	0.21	52896	93.23
536	289	0.51	32499	57.28	**583**	224	0.39	45442	80.09	**630**	96	0.17	52992	93.40
537	322	0.57	32821	57.85	**584**	212	0.37	45654	80.47	**631**	116	0.20	53108	93.61
538	292	0.51	33113	58.36	**585**	218	0.38	45872	80.85	**632**	100	0.18	53208	93.78
539	299	0.53	33412	58.89	**586**	228	0.40	46100	81.25	**633**	90	0.16	53298	93.94
540	324	0.57	33736	59.46	**587**	195	0.34	46295	81.60	**634**	105	0.19	53403	94.13
541	311	0.55	34047	60.01	**588**	212	0.37	46507	81.97	**635**	78	0.14	53481	94.26
542	290	0.51	34337	60.52	**589**	172	0.30	46679	82.27	**636**	95	0.17	53576	94.43
543	310	0.55	34647	61.07	**590**	202	0.36	46881	82.63	**637**	93	0.16	53669	94.59
544	305	0.54	34952	61.60	**591**	191	0.34	47072	82.97	**638**	92	0.16	53761	94.76
545	298	0.53	35250	62.13	**592**	201	0.35	47273	83.32	**639**	86	0.15	53847	94.91
546	294	0.52	35544	62.65	**593**	219	0.39	47492	83.71	**640**	72	0.13	53919	95.03
547	296	0.52	35840	63.17	**594**	189	0.33	47681	84.04	**641**	84	0.15	54003	95.18
548	302	0.53	36142	63.70	**595**	204	0.36	47885	84.40	**642**	70	0.12	54073	95.31
549	287	0.51	36429	64.21	**596**	180	0.32	48065	84.72	**643**	64	0.11	54137	95.42
550	307	0.54	36736	64.75	**597**	203	0.36	48268	85.07	**644**	75	0.13	54212	95.55
551	319	0.56	37055	65.31	**598**	172	0.30	48440	85.38	**645**	62	0.11	54274	95.66
552	282	0.50	37337	65.81	**599**	186	0.33	48626	85.71	**646**	69	0.12	54343	95.78
553	286	0.50	37623	66.31	**600**	198	0.35	48824	86.05	**647**	73	0.13	54416	95.91
554	309	0.54	37932	66.86	**601**	167	0.29	48991	86.35	**648**	85	0.15	54501	96.06
555	292	0.51	38224	67.37	**602**	181	0.32	49172	86.67	**649**	63	0.11	54564	96.17
556	288	0.51	38512	67.88	**603**	165	0.29	49337	86.96	**650**	55	0.10	54619	96.27
557	292	0.51	38804	68.39	**604**	172	0.30	49509	87.26	**651**	57	0.10	54676	96.37
558	258	0.45	39062	68.85	**605**	178	0.31	49687	87.58	**652**	43	0.08	54719	96.44
559	267	0.47	39329	69.32	**606**	163	0.29	49850	87.86	**653**	48	0.08	54767	96.53
560	285	0.50	39614	69.82	**607**	159	0.28	50009	88.14	**654**	50	0.09	54817	96.62
561	284	0.50	39898	70.32	**608**	169	0.30	50178	88.44	**655**	51	0.09	54868	96.71
562	276	0.49	40174	70.81	**609**	145	0.26	50323	88.70	**656**	40	0.07	54908	96.78
563	266	0.47	40440	71.28	**610**	143	0.25	50466	88.95	**657**	51	0.09	54959	96.87
564	266	0.47	40706	71.75	**611**	122	0.22	50588	89.16	**658**	59	0.10	55018	96.97
565	272	0.48	40978	72.23	**612**	174	0.31	50762	89.47	**659**	47	0.08	55065	97.05
566	248	0.44	41226	72.66	**613**	158	0.28	50920	89.75	**660**	51	0.09	55116	97.14
567	296	0.52	41522	73.18	**614**	160	0.28	51080	90.03	**661**	46	0.08	55162	97.23
568	239	0.42	41761	73.61	**615**	142	0.25	51222	90.28	**662**	46	0.08	55208	97.31
569	280	0.49	42041	74.10	**616**	132	0.23	51354	90.51	**663**	29	0.05	55237	97.36
570	280	0.49	42321	74.59	**617**	134	0.24	51488	90.75	**664**	49	0.09	55286	97.44

Table 169. Mathematics 5 Scale Score Distribution (Concluded)

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

SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %
665	33	0.06	55319	97.50	**715**	15	0.03	56379	99.37
666	41	0.07	55360	97.57	**716**	5	0.01	56384	99.38
667	50	0.09	55410	97.66	**717**	14	0.02	56398	99.40
668	26	0.05	55436	97.71	**718**	3	0.01	56401	99.41
669	36	0.06	55472	97.77	**719**	4	0.01	56405	99.42
670	25	0.04	55497	97.82	**720**	5	0.01	56410	99.43
671	35	0.06	55532	97.88	**721**	13	0.02	56423	99.45
672	29	0.05	55561	97.93	**722**	8	0.01	56431	99.46
673	29	0.05	55590	97.98	**723**	4	0.01	56435	99.47
674	31	0.05	55621	98.03	**724**	7	0.01	56442	99.48
675	28	0.05	55649	98.08	**725**	5	0.01	56447	99.49
676	31	0.05	55680	98.14	**726**	3	0.01	56450	99.50
677	30	0.05	55710	98.19	**727**	7	0.01	56457	99.51
678	23	0.04	55733	98.23	**728**	17	0.03	56474	99.54
679	22	0.04	55755	98.27	**729**	4	0.01	56478	99.55
680	33	0.06	55788	98.33	**730**	4	0.01	56482	99.55
681	33	0.06	55821	98.39	**731**	6	0.01	56488	99.56
682	26	0.05	55847	98.43	**732**	4	0.01	56492	99.57
683	24	0.04	55871	98.48	**733**	5	0.01	56497	99.58
684	24	0.04	55895	98.52	**734**	10	0.02	56507	99.60
685	20	0.04	55915	98.55	**735**	2	0.00	56509	99.60
686	12	0.02	55927	98.57	**737**	2	0.00	56511	99.60
687	21	0.04	55948	98.61	**738**	6	0.01	56517	99.61
688	22	0.04	55970	98.65	**739**	3	0.01	56520	99.62
689	17	0.03	55987	98.68	**740**	4	0.01	56524	99.63
690	17	0.03	56004	98.71	**741**	11	0.02	56535	99.65
691	17	0.03	56021	98.74	**742**	5	0.01	56540	99.65
692	19	0.03	56040	98.77	**745**	8	0.01	56548	99.67
693	33	0.06	56073	98.83	**746**	7	0.01	56555	99.68
694	20	0.04	56093	98.87	**748**	2	0.00	56557	99.68
695	13	0.02	56106	98.89	**749**	12	0.02	56569	99.71
696	20	0.04	56126	98.92	**750**	1	0.00	56570	99.71
697	7	0.01	56133	98.94	**755**	6	0.01	56576	99.72
698	17	0.03	56150	98.97	**757**	5	0.01	56581	99.73
699	11	0.02	56161	98.99	**760**	1	0.00	56582	99.73
700	16	0.03	56177	99.01	**766**	11	0.02	56593	99.75
701	20	0.04	56197	99.05	**769**	5	0.01	56598	99.76
702	6	0.01	56203	99.06	**772**	24	0.04	56622	99.80
703	12	0.02	56215	99.08	**774**	1	0.00	56623	99.80
704	16	0.03	56231	99.11	**775**	6	0.01	56629	99.81
705	13	0.02	56244	99.13	**777**	1	0.00	56630	99.81
706	6	0.01	56250	99.14	**778**	10	0.02	56640	99.83
707	11	0.02	56261	99.16	**779**	6	0.01	56646	99.84
708	18	0.03	56279	99.19	**780**	13	0.02	56659	99.86
709	18	0.03	56297	99.23	**786**	14	0.02	56673	99.89
710	17	0.03	56314	99.26	**791**	2	0.00	56675	99.89
711	14	0.02	56328	99.28	**800**	61	0.11	56736	100.00
712	16	0.03	56344	99.31					
713	16	0.03	56360	99.34					
714	4	0.01	56364	99.34					

Table 170. Science 5 Scale Score Distribution

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

SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %
300	61	0.11	61	0.11	**355**	2	0.00	184	0.32	**405**	19	0.03	767	1.35
302	2	0.00	63	0.11	**356**	7	0.01	191	0.34	**406**	20	0.04	787	1.39
303	3	0.01	66	0.12	**357**	2	0.00	193	0.34	**407**	24	0.04	811	1.43
304	1	0.00	67	0.12	**358**	6	0.01	199	0.35	**408**	15	0.03	826	1.46
305	4	0.01	71	0.13	**359**	1	0.00	200	0.35	**409**	36	0.06	862	1.52
306	4	0.01	75	0.13	**360**	4	0.01	204	0.36	**410**	24	0.04	886	1.56
307	2	0.00	77	0.14	**361**	9	0.02	213	0.38	**411**	24	0.04	910	1.60
308	1	0.00	78	0.14	**362**	4	0.01	217	0.38	**412**	21	0.04	931	1.64
309	3	0.01	81	0.14	**363**	4	0.01	221	0.39	**413**	21	0.04	952	1.68
311	1	0.00	82	0.14	**364**	6	0.01	227	0.40	**414**	32	0.06	984	1.73
312	3	0.01	85	0.15	**365**	13	0.02	240	0.42	**415**	27	0.05	1011	1.78
316	2	0.00	87	0.15	**366**	9	0.02	249	0.44	**416**	21	0.04	1032	1.82
317	2	0.00	89	0.16	**367**	8	0.01	257	0.45	**417**	21	0.04	1053	1.86
318	1	0.00	90	0.16	**368**	11	0.02	268	0.47	**418**	29	0.05	1082	1.91
319	1	0.00	91	0.16	**369**	3	0.01	271	0.48	**419**	27	0.05	1109	1.95
320	1	0.00	92	0.16	**370**	14	0.02	285	0.50	**420**	41	0.07	1150	2.03
321	5	0.01	97	0.17	**371**	8	0.01	293	0.52	**421**	32	0.06	1182	2.08
322	1	0.00	98	0.17	**372**	9	0.02	302	0.53	**422**	34	0.06	1216	2.14
323	3	0.01	101	0.18	**373**	9	0.02	311	0.55	**423**	34	0.06	1250	2.20
324	1	0.00	102	0.18	**374**	6	0.01	317	0.56	**424**	45	0.08	1295	2.28
325	1	0.00	103	0.18	**375**	12	0.02	329	0.58	**425**	45	0.08	1340	2.36
326	2	0.00	105	0.19	**376**	7	0.01	336	0.59	**426**	48	0.08	1388	2.45
327	6	0.01	111	0.20	**377**	5	0.01	341	0.60	**427**	36	0.06	1424	2.51
328	2	0.00	113	0.20	**378**	12	0.02	353	0.62	**428**	45	0.08	1469	2.59
329	5	0.01	118	0.21	**379**	10	0.02	363	0.64	**429**	36	0.06	1505	2.65
330	2	0.00	120	0.21	**380**	10	0.02	373	0.66	**430**	43	0.08	1548	2.73
331	1	0.00	121	0.21	**381**	13	0.02	386	0.68	**431**	38	0.07	1586	2.80
332	2	0.00	123	0.22	**382**	9	0.02	395	0.70	**432**	60	0.11	1646	2.90
333	1	0.00	124	0.22	**383**	4	0.01	399	0.70	**433**	38	0.07	1684	2.97
334	7	0.01	131	0.23	**384**	14	0.02	413	0.73	**434**	56	0.10	1740	3.07
335	1	0.00	132	0.23	**385**	9	0.02	422	0.74	**435**	46	0.08	1786	3.15
336	1	0.00	133	0.23	**386**	15	0.03	437	0.77	**436**	52	0.09	1838	3.24
337	2	0.00	135	0.24	**387**	18	0.03	455	0.80	**437**	48	0.08	1886	3.32
338	5	0.01	140	0.25	**388**	15	0.03	470	0.83	**438**	54	0.10	1940	3.42
339	3	0.01	143	0.25	**389**	15	0.03	485	0.85	**439**	56	0.10	1996	3.52
340	2	0.00	145	0.26	**390**	14	0.02	499	0.88	**440**	61	0.11	2057	3.63
341	2	0.00	147	0.26	**391**	18	0.03	517	0.91	**441**	52	0.09	2109	3.72
342	3	0.01	150	0.26	**392**	10	0.02	527	0.93	**442**	64	0.11	2173	3.83
343	1	0.00	151	0.27	**393**	16	0.03	543	0.96	**443**	52	0.09	2225	3.92
344	1	0.00	152	0.27	**394**	17	0.03	560	0.99	**444**	66	0.12	2291	4.04
345	6	0.01	158	0.28	**395**	16	0.03	576	1.02	**445**	69	0.12	2360	4.16
346	1	0.00	159	0.28	**396**	20	0.04	596	1.05	**446**	59	0.10	2419	4.26
347	4	0.01	163	0.29	**397**	21	0.04	617	1.09	**447**	62	0.11	2481	4.37
348	3	0.01	166	0.29	**398**	17	0.03	634	1.12	**448**	55	0.10	2536	4.47
349	1	0.00	167	0.29	**399**	16	0.03	650	1.15	**449**	62	0.11	2598	4.58
350	1	0.00	168	0.30	**400**	21	0.04	671	1.18	**450**	69	0.12	2667	4.70
351	1	0.00	169	0.30	**401**	15	0.03	686	1.21	**451**	81	0.14	2748	4.84
352	6	0.01	175	0.31	**402**	27	0.05	713	1.26	**452**	62	0.11	2810	4.95
353	3	0.01	178	0.31	**403**	18	0.03	731	1.29	**453**	83	0.15	2893	5.10
354	4	0.01	182	0.32	**404**	17	0.03	748	1.32	**454**	87	0.15	2980	5.25

Table 170. Science 5 Scale Score Distribution (Continued)

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

SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %
455	73	0.13	3053	5.38	**505**	264	0.47	10690	18.84	**555**	395	0.70	27492	48.46
456	83	0.15	3136	5.53	**506**	218	0.38	10908	19.23	**556**	455	0.80	27947	49.26
457	94	0.17	3230	5.69	**507**	241	0.42	11149	19.65	**557**	426	0.75	28373	50.01
458	74	0.13	3304	5.82	**508**	219	0.39	11368	20.04	**558**	391	0.69	28764	50.70
459	100	0.18	3404	6.00	**509**	263	0.46	11631	20.50	**559**	408	0.72	29172	51.42
460	97	0.17	3501	6.17	**510**	225	0.40	11856	20.90	**560**	408	0.72	29580	52.14
461	95	0.17	3596	6.34	**511**	270	0.48	12126	21.37	**561**	452	0.80	30032	52.93
462	115	0.20	3711	6.54	**512**	266	0.47	12392	21.84	**562**	401	0.71	30433	53.64
463	124	0.22	3835	6.76	**513**	237	0.42	12629	22.26	**563**	440	0.78	30873	54.41
464	104	0.18	3939	6.94	**514**	258	0.45	12887	22.71	**564**	431	0.76	31304	55.17
465	90	0.16	4029	7.10	**515**	296	0.52	13183	23.24	**565**	421	0.74	31725	55.92
466	105	0.19	4134	7.29	**516**	293	0.52	13476	23.75	**566**	385	0.68	32110	56.59
467	115	0.20	4249	7.49	**517**	280	0.49	13756	24.25	**567**	415	0.73	32525	57.33
468	108	0.19	4357	7.68	**518**	307	0.54	14063	24.79	**568**	437	0.77	32962	58.10
469	108	0.19	4465	7.87	**519**	289	0.51	14352	25.30	**569**	412	0.73	33374	58.82
470	123	0.22	4588	8.09	**520**	309	0.54	14661	25.84	**570**	438	0.77	33812	59.59
471	131	0.23	4719	8.32	**521**	309	0.54	14970	26.38	**571**	414	0.73	34226	60.32
472	117	0.21	4836	8.52	**522**	338	0.60	15308	26.98	**572**	410	0.72	34636	61.05
473	113	0.20	4949	8.72	**523**	315	0.56	15623	27.54	**573**	385	0.68	35021	61.73
474	119	0.21	5068	8.93	**524**	321	0.57	15944	28.10	**574**	420	0.74	35441	62.47
475	136	0.24	5204	9.17	**525**	300	0.53	16244	28.63	**575**	423	0.75	35864	63.21
476	151	0.27	5355	9.44	**526**	328	0.58	16572	29.21	**576**	393	0.69	36257	63.90
477	127	0.22	5482	9.66	**527**	327	0.58	16899	29.78	**577**	421	0.74	36678	64.65
478	152	0.27	5634	9.93	**528**	311	0.55	17210	30.33	**578**	422	0.74	37100	65.39
479	152	0.27	5786	10.20	**529**	331	0.58	17541	30.92	**579**	469	0.83	37569	66.22
480	140	0.25	5926	10.44	**530**	339	0.60	17880	31.51	**580**	423	0.75	37992	66.96
481	152	0.27	6078	10.71	**531**	345	0.61	18225	32.12	**581**	383	0.68	38375	67.64
482	136	0.24	6214	10.95	**532**	362	0.64	18587	32.76	**582**	410	0.72	38785	68.36
483	160	0.28	6374	11.23	**533**	361	0.64	18948	33.40	**583**	372	0.66	39157	69.01
484	174	0.31	6548	11.54	**534**	364	0.64	19312	34.04	**584**	425	0.75	39582	69.76
485	145	0.26	6693	11.80	**535**	345	0.61	19657	34.65	**585**	395	0.70	39977	70.46
486	159	0.28	6852	12.08	**536**	347	0.61	20004	35.26	**586**	379	0.67	40356	71.13
487	174	0.31	7026	12.38	**537**	382	0.67	20386	35.93	**587**	416	0.73	40772	71.86
488	155	0.27	7181	12.66	**538**	390	0.69	20776	36.62	**588**	370	0.65	41142	72.51
489	168	0.30	7349	12.95	**539**	405	0.71	21181	37.33	**589**	381	0.67	41523	73.19
490	179	0.32	7528	13.27	**540**	376	0.66	21557	37.99	**590**	374	0.66	41897	73.84
491	183	0.32	7711	13.59	**541**	366	0.65	21923	38.64	**591**	379	0.67	42276	74.51
492	202	0.36	7913	13.95	**542**	376	0.66	22299	39.30	**592**	388	0.68	42664	75.20
493	181	0.32	8094	14.27	**543**	390	0.69	22689	39.99	**593**	357	0.63	43021	75.83
494	188	0.33	8282	14.60	**544**	359	0.63	23048	40.62	**594**	377	0.66	43398	76.49
495	198	0.35	8480	14.95	**545**	368	0.65	23416	41.27	**595**	374	0.66	43772	77.15
496	206	0.36	8686	15.31	**546**	402	0.71	23818	41.98	**596**	348	0.61	44120	77.76
497	205	0.36	8891	15.67	**547**	426	0.75	24244	42.73	**597**	362	0.64	44482	78.40
498	206	0.36	9097	16.03	**548**	411	0.72	24655	43.45	**598**	375	0.66	44857	79.06
499	230	0.41	9327	16.44	**549**	418	0.74	25073	44.19	**599**	317	0.56	45174	79.62
500	184	0.32	9511	16.76	**550**	406	0.72	25479	44.91	**600**	333	0.59	45507	80.21
501	219	0.39	9730	17.15	**551**	423	0.75	25902	45.65	**601**	298	0.53	45805	80.73
502	206	0.36	9936	17.51	**552**	387	0.68	26289	46.33	**602**	305	0.54	46110	81.27
503	250	0.44	10186	17.95	**553**	413	0.73	26702	47.06	**603**	312	0.55	46422	81.82
504	240	0.42	10426	18.38	**554**	395	0.70	27097	47.76	**604**	323	0.57	46745	82.39

Table 170. Science 5 Scale Score Distribution (Concluded)

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

SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %
605	294	0.52	47039	82.91	**655**	60	0.11	55343	97.54	**705**	6	0.01	56607	99.77
606	278	0.49	47317	83.40	**656**	62	0.11	55405	97.65	**706**	7	0.01	56614	99.78
607	293	0.52	47610	83.91	**657**	56	0.10	55461	97.75	**707**	3	0.01	56617	99.79
608	259	0.46	47869	84.37	**658**	46	0.08	55507	97.83	**708**	4	0.01	56621	99.80
609	293	0.52	48162	84.89	**659**	54	0.10	55561	97.93	**709**	4	0.01	56625	99.80
610	257	0.45	48419	85.34	**660**	62	0.11	55623	98.04	**710**	7	0.01	56632	99.81
611	250	0.44	48669	85.78	**661**	48	0.08	55671	98.12	**711**	5	0.01	56637	99.82
612	260	0.46	48929	86.24	**662**	52	0.09	55723	98.21	**712**	2	0.00	56639	99.83
613	256	0.45	49185	86.69	**663**	42	0.07	55765	98.29	**713**	8	0.01	56647	99.84
614	220	0.39	49405	87.08	**664**	32	0.06	55797	98.34	**714**	4	0.01	56651	99.85
615	222	0.39	49627	87.47	**665**	37	0.07	55834	98.41	**715**	3	0.01	56654	99.85
616	231	0.41	49858	87.88	**666**	43	0.08	55877	98.48	**716**	5	0.01	56659	99.86
617	262	0.46	50120	88.34	**667**	40	0.07	55917	98.55	**717**	10	0.02	56669	99.88
618	233	0.41	50353	88.75	**668**	37	0.07	55954	98.62	**719**	3	0.01	56672	99.89
619	208	0.37	50561	89.11	**669**	36	0.06	55990	98.68	**720**	4	0.01	56676	99.89
620	229	0.40	50790	89.52	**670**	44	0.08	56034	98.76	**721**	1	0.00	56677	99.89
621	189	0.33	50979	89.85	**671**	41	0.07	56075	98.83	**724**	2	0.00	56679	99.90
622	202	0.36	51181	90.21	**672**	34	0.06	56109	98.89	**725**	1	0.00	56680	99.90
623	187	0.33	51368	90.54	**673**	25	0.04	56134	98.94	**728**	5	0.01	56685	99.91
624	206	0.36	51574	90.90	**674**	34	0.06	56168	99.00	**729**	2	0.00	56687	99.91
625	197	0.35	51771	91.25	**675**	19	0.03	56187	99.03	**730**	1	0.00	56688	99.91
626	189	0.33	51960	91.58	**676**	32	0.06	56219	99.09	**732**	4	0.01	56692	99.92
627	169	0.30	52129	91.88	**677**	29	0.05	56248	99.14	**734**	5	0.01	56697	99.93
628	163	0.29	52292	92.17	**678**	26	0.05	56274	99.18	**736**	2	0.00	56699	99.93
629	178	0.31	52470	92.48	**679**	12	0.02	56286	99.21	**738**	6	0.01	56705	99.94
630	171	0.30	52641	92.78	**680**	32	0.06	56318	99.26	**744**	2	0.00	56707	99.95
631	161	0.28	52802	93.06	**681**	20	0.04	56338	99.30	**746**	2	0.00	56709	99.95
632	147	0.26	52949	93.32	**682**	16	0.03	56354	99.32	**748**	7	0.01	56716	99.96
633	173	0.30	53122	93.63	**683**	21	0.04	56375	99.36	**750**	1	0.00	56717	99.96
634	143	0.25	53265	93.88	**684**	16	0.03	56391	99.39	**751**	1	0.00	56718	99.97
635	172	0.30	53437	94.18	**685**	18	0.03	56409	99.42	**765**	2	0.00	56720	99.97
636	122	0.22	53559	94.40	**686**	14	0.02	56423	99.45	**766**	1	0.00	56721	99.97
637	131	0.23	53690	94.63	**687**	15	0.03	56438	99.47	**772**	1	0.00	56722	99.97
638	130	0.23	53820	94.86	**688**	15	0.03	56453	99.50	**777**	2	0.00	56724	99.98
639	123	0.22	53943	95.08	**689**	13	0.02	56466	99.52	**781**	1	0.00	56725	99.98
640	117	0.21	54060	95.28	**690**	17	0.03	56483	99.55	**785**	5	0.01	56730	99.99
641	100	0.18	54160	95.46	**691**	11	0.02	56494	99.57	**790**	7	0.01	56737	100.00
642	116	0.20	54276	95.66	**692**	11	0.02	56505	99.59					
643	96	0.17	54372	95.83	**693**	8	0.01	56513	99.61					
644	92	0.16	54464	95.99	**694**	17	0.03	56530	99.64					
645	94	0.17	54558	96.16	**695**	9	0.02	56539	99.65					
646	103	0.18	54661	96.34	**696**	6	0.01	56545	99.66					
647	82	0.14	54743	96.49	**697**	14	0.02	56559	99.69					
648	93	0.16	54836	96.65	**698**	6	0.01	56565	99.70					
649	75	0.13	54911	96.78	**699**	7	0.01	56572	99.71					
650	82	0.14	54993	96.93	**700**	7	0.01	56579	99.72					
651	70	0.12	55063	97.05	**701**	8	0.01	56587	99.74					
652	100	0.18	55163	97.23	**702**	3	0.01	56590	99.74					
653	57	0.10	55220	97.33	**703**	4	0.01	56594	99.75					
654	63	0.11	55283	97.44	**704**	7	0.01	56601	99.76					

Table 171. Reading 6 Scale Score Distribution

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

SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %
260	403	0.72	403	0.72	**335**	1	0.00	474	0.84	**390**	4	0.01	609	1.08
263	1	0.00	404	0.72	**336**	1	0.00	475	0.84	**391**	1	0.00	610	1.08
265	2	0.00	406	0.72	**337**	1	0.00	476	0.85	**392**	7	0.01	617	1.10
266	2	0.00	408	0.72	**338**	1	0.00	477	0.85	**393**	4	0.01	621	1.10
267	1	0.00	409	0.73	**341**	1	0.00	478	0.85	**394**	5	0.01	626	1.11
268	1	0.00	410	0.73	**342**	2	0.00	480	0.85	**395**	11	0.02	637	1.13
269	1	0.00	411	0.73	**343**	2	0.00	482	0.86	**396**	6	0.01	643	1.14
271	1	0.00	412	0.73	**344**	1	0.00	483	0.86	**397**	8	0.01	651	1.16
273	1	0.00	413	0.73	**345**	2	0.00	485	0.86	**398**	2	0.00	653	1.16
275	2	0.00	415	0.74	**346**	1	0.00	486	0.86	**399**	3	0.01	656	1.16
276	2	0.00	417	0.74	**348**	1	0.00	487	0.86	**400**	4	0.01	660	1.17
277	1	0.00	418	0.74	**349**	2	0.00	489	0.87	**401**	3	0.01	663	1.18
278	1	0.00	419	0.74	**350**	2	0.00	491	0.87	**402**	6	0.01	669	1.19
281	1	0.00	420	0.75	**351**	1	0.00	492	0.87	**403**	3	0.01	672	1.19
282	1	0.00	421	0.75	**352**	3	0.01	495	0.88	**404**	3	0.01	675	1.20
284	2	0.00	423	0.75	**353**	1	0.00	496	0.88	**405**	3	0.01	678	1.20
285	1	0.00	424	0.75	**354**	4	0.01	500	0.89	**406**	3	0.01	681	1.21
287	2	0.00	426	0.76	**356**	2	0.00	502	0.89	**407**	6	0.01	687	1.22
290	2	0.00	428	0.76	**357**	1	0.00	503	0.89	**408**	5	0.01	692	1.23
291	1	0.00	429	0.76	**358**	1	0.00	504	0.89	**409**	7	0.01	699	1.24
292	2	0.00	431	0.77	**359**	1	0.00	505	0.90	**410**	8	0.01	707	1.26
294	2	0.00	433	0.77	**360**	1	0.00	506	0.90	**411**	11	0.02	718	1.27
295	1	0.00	434	0.77	**361**	5	0.01	511	0.91	**412**	5	0.01	723	1.28
296	2	0.00	436	0.77	**362**	6	0.01	517	0.92	**413**	7	0.01	730	1.30
298	1	0.00	437	0.78	**363**	2	0.00	519	0.92	**414**	9	0.02	739	1.31
300	1	0.00	438	0.78	**364**	2	0.00	521	0.93	**415**	10	0.02	749	1.33
302	2	0.00	440	0.78	**365**	4	0.01	525	0.93	**416**	9	0.02	758	1.35
303	2	0.00	442	0.78	**366**	2	0.00	527	0.94	**417**	3	0.01	761	1.35
304	1	0.00	443	0.79	**367**	1	0.00	528	0.94	**418**	9	0.02	770	1.37
306	1	0.00	444	0.79	**368**	6	0.01	534	0.95	**419**	7	0.01	777	1.38
307	1	0.00	445	0.79	**369**	7	0.01	541	0.96	**420**	7	0.01	784	1.39
308	2	0.00	447	0.79	**370**	1	0.00	542	0.96	**421**	10	0.02	794	1.41
309	2	0.00	449	0.80	**371**	7	0.01	549	0.97	**422**	8	0.01	802	1.42
312	1	0.00	450	0.80	**372**	1	0.00	550	0.98	**423**	11	0.02	813	1.44
313	1	0.00	451	0.80	**373**	3	0.01	553	0.98	**424**	9	0.02	822	1.46
317	1	0.00	452	0.80	**374**	2	0.00	555	0.99	**425**	17	0.03	839	1.49
319	1	0.00	453	0.80	**375**	3	0.01	558	0.99	**426**	8	0.01	847	1.50
320	1	0.00	454	0.81	**377**	3	0.01	561	1.00	**427**	10	0.02	857	1.52
321	1	0.00	455	0.81	**378**	1	0.00	562	1.00	**428**	10	0.02	867	1.54
322	3	0.01	458	0.81	**379**	3	0.01	565	1.00	**429**	12	0.02	879	1.56
323	2	0.00	460	0.82	**380**	2	0.00	567	1.01	**430**	13	0.02	892	1.58
324	1	0.00	461	0.82	**381**	4	0.01	571	1.01	**431**	15	0.03	907	1.61
325	1	0.00	462	0.82	**382**	4	0.01	575	1.02	**432**	12	0.02	919	1.63
327	1	0.00	463	0.82	**383**	3	0.01	578	1.03	**433**	8	0.01	927	1.65
328	2	0.00	465	0.83	**384**	4	0.01	582	1.03	**434**	14	0.02	941	1.67
329	1	0.00	466	0.83	**385**	2	0.00	584	1.04	**435**	8	0.01	949	1.69
330	2	0.00	468	0.83	**386**	3	0.01	587	1.04	**436**	11	0.02	960	1.70
331	1	0.00	469	0.83	**387**	7	0.01	594	1.05	**437**	15	0.03	975	1.73
332	3	0.01	472	0.84	**388**	6	0.01	600	1.07	**438**	15	0.03	990	1.76
333	1	0.00	473	0.84	**389**	5	0.01	605	1.07	**439**	8	0.01	998	1.77

Table 171. Reading 6 Scale Score Distribution (Continued)

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

SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %
440	8	0.01	1006	1.79	**490**	41	0.07	2303	4.09	**540**	106	0.19	5607	9.96
441	14	0.02	1020	1.81	**491**	38	0.07	2341	4.16	**541**	103	0.18	5710	10.14
442	14	0.02	1034	1.84	**492**	31	0.06	2372	4.21	**542**	106	0.19	5816	10.33
443	14	0.02	1048	1.86	**493**	56	0.10	2428	4.31	**543**	95	0.17	5911	10.50
444	17	0.03	1065	1.89	**494**	43	0.08	2471	4.39	**544**	106	0.19	6017	10.68
445	21	0.04	1086	1.93	**495**	35	0.06	2506	4.45	**545**	123	0.22	6140	10.90
446	15	0.03	1101	1.95	**496**	48	0.09	2554	4.53	**546**	110	0.20	6250	11.10
447	14	0.02	1115	1.98	**497**	41	0.07	2595	4.61	**547**	104	0.18	6354	11.28
448	9	0.02	1124	2.00	**498**	51	0.09	2646	4.70	**548**	113	0.20	6467	11.48
449	18	0.03	1142	2.03	**499**	42	0.07	2688	4.77	**549**	121	0.21	6588	11.70
450	13	0.02	1155	2.05	**500**	45	0.08	2733	4.85	**550**	132	0.23	6720	11.93
451	15	0.03	1170	2.08	**501**	56	0.10	2789	4.95	**551**	125	0.22	6845	12.15
452	20	0.04	1190	2.11	**502**	49	0.09	2838	5.04	**552**	120	0.21	6965	12.37
453	19	0.03	1209	2.15	**503**	61	0.11	2899	5.15	**553**	146	0.26	7111	12.63
454	22	0.04	1231	2.19	**504**	48	0.09	2947	5.23	**554**	140	0.25	7251	12.87
455	21	0.04	1252	2.22	**505**	54	0.10	3001	5.33	**555**	160	0.28	7411	13.16
456	20	0.04	1272	2.26	**506**	70	0.12	3071	5.45	**556**	133	0.24	7544	13.39
457	19	0.03	1291	2.29	**507**	51	0.09	3122	5.54	**557**	125	0.22	7669	13.62
458	26	0.05	1317	2.34	**508**	54	0.10	3176	5.64	**558**	143	0.25	7812	13.87
459	24	0.04	1341	2.38	**509**	47	0.08	3223	5.72	**559**	136	0.24	7948	14.11
460	31	0.06	1372	2.44	**510**	62	0.11	3285	5.83	**560**	151	0.27	8099	14.38
461	25	0.04	1397	2.48	**511**	50	0.09	3335	5.92	**561**	142	0.25	8241	14.63
462	23	0.04	1420	2.52	**512**	67	0.12	3402	6.04	**562**	152	0.27	8393	14.90
463	26	0.05	1446	2.57	**513**	74	0.13	3476	6.17	**563**	144	0.26	8537	15.16
464	28	0.05	1474	2.62	**514**	67	0.12	3543	6.29	**564**	179	0.32	8716	15.48
465	27	0.05	1501	2.67	**515**	63	0.11	3606	6.40	**565**	144	0.26	8860	15.73
466	24	0.04	1525	2.71	**516**	63	0.11	3669	6.51	**566**	174	0.31	9034	16.04
467	30	0.05	1555	2.76	**517**	60	0.11	3729	6.62	**567**	186	0.33	9220	16.37
468	38	0.07	1593	2.83	**518**	71	0.13	3800	6.75	**568**	177	0.31	9397	16.69
469	28	0.05	1621	2.88	**519**	66	0.12	3866	6.86	**569**	173	0.31	9570	16.99
470	23	0.04	1644	2.92	**520**	61	0.11	3927	6.97	**570**	188	0.33	9758	17.33
471	34	0.06	1678	2.98	**521**	62	0.11	3989	7.08	**571**	182	0.32	9940	17.65
472	18	0.03	1696	3.01	**522**	74	0.13	4063	7.21	**572**	188	0.33	10128	17.98
473	24	0.04	1720	3.05	**523**	63	0.11	4126	7.33	**573**	162	0.29	10290	18.27
474	29	0.05	1749	3.11	**524**	78	0.14	4204	7.46	**574**	181	0.32	10471	18.59
475	45	0.08	1794	3.19	**525**	71	0.13	4275	7.59	**575**	207	0.37	10678	18.96
476	24	0.04	1818	3.23	**526**	79	0.14	4354	7.73	**576**	199	0.35	10877	19.31
477	25	0.04	1843	3.27	**527**	82	0.15	4436	7.88	**577**	214	0.38	11091	19.69
478	40	0.07	1883	3.34	**528**	84	0.15	4520	8.03	**578**	206	0.37	11297	20.06
479	18	0.03	1901	3.38	**529**	86	0.15	4606	8.18	**579**	234	0.42	11531	20.47
480	23	0.04	1924	3.42	**530**	72	0.13	4678	8.31	**580**	236	0.42	11767	20.89
481	31	0.06	1955	3.47	**531**	73	0.13	4751	8.44	**581**	198	0.35	11965	21.24
482	33	0.06	1988	3.53	**532**	86	0.15	4837	8.59	**582**	198	0.35	12163	21.60
483	32	0.06	2020	3.59	**533**	79	0.14	4916	8.73	**583**	249	0.44	12412	22.04
484	36	0.06	2056	3.65	**534**	78	0.14	4994	8.87	**584**	233	0.41	12645	22.45
485	37	0.07	2093	3.72	**535**	103	0.18	5097	9.05	**585**	261	0.46	12906	22.92
486	34	0.06	2127	3.78	**536**	103	0.18	5200	9.23	**586**	236	0.42	13142	23.33
487	47	0.08	2174	3.86	**537**	86	0.15	5286	9.39	**587**	228	0.40	13370	23.74
488	35	0.06	2209	3.92	**538**	97	0.17	5383	9.56	**588**	245	0.44	13615	24.17
489	53	0.09	2262	4.02	**539**	118	0.21	5501	9.77	**589**	253	0.45	13868	24.62

Table 171. Reading 6 Scale Score Distribution (Continued)

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

SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %
590	252	0.45	14120	25.07	**637**	388	0.69	29889	53.07	**684**	271	0.48	46958	83.38
591	251	0.45	14371	25.52	**638**	385	0.68	30274	53.75	**685**	271	0.48	47229	83.86
592	246	0.44	14617	25.95	**639**	400	0.71	30674	54.46	**686**	243	0.43	47472	84.29
593	240	0.43	14857	26.38	**640**	400	0.71	31074	55.17	**687**	280	0.50	47752	84.79
594	268	0.48	15125	26.86	**641**	417	0.74	31491	55.91	**688**	268	0.48	48020	85.26
595	265	0.47	15390	27.33	**642**	378	0.67	31869	56.59	**689**	255	0.45	48275	85.72
596	266	0.47	15656	27.80	**643**	412	0.73	32281	57.32	**690**	236	0.42	48511	86.13
597	280	0.50	15936	28.30	**644**	412	0.73	32693	58.05	**691**	262	0.47	48773	86.60
598	307	0.55	16243	28.84	**645**	385	0.68	33078	58.73	**692**	253	0.45	49026	87.05
599	323	0.57	16566	29.41	**646**	403	0.72	33481	59.45	**693**	246	0.44	49272	87.49
600	270	0.48	16836	29.89	**647**	388	0.69	33869	60.14	**694**	245	0.44	49517	87.92
601	276	0.49	17112	30.38	**648**	382	0.68	34251	60.81	**695**	227	0.40	49744	88.32
602	293	0.52	17405	30.90	**649**	394	0.70	34645	61.51	**696**	221	0.39	49965	88.72
603	296	0.53	17701	31.43	**650**	390	0.69	35035	62.21	**697**	243	0.43	50208	89.15
604	317	0.56	18018	31.99	**651**	427	0.76	35462	62.97	**698**	210	0.37	50418	89.52
605	326	0.58	18344	32.57	**652**	417	0.74	35879	63.71	**699**	182	0.32	50600	89.84
606	323	0.57	18667	33.14	**653**	361	0.64	36240	64.35	**700**	198	0.35	50798	90.20
607	338	0.60	19005	33.74	**654**	385	0.68	36625	65.03	**701**	192	0.34	50990	90.54
608	326	0.58	19331	34.32	**655**	371	0.66	36996	65.69	**702**	175	0.31	51165	90.85
609	334	0.59	19665	34.92	**656**	364	0.65	37360	66.34	**703**	208	0.37	51373	91.22
610	332	0.59	19997	35.51	**657**	380	0.67	37740	67.01	**704**	200	0.36	51573	91.57
611	350	0.62	20347	36.13	**658**	384	0.68	38124	67.69	**705**	188	0.33	51761	91.91
612	344	0.61	20691	36.74	**659**	362	0.64	38486	68.33	**706**	192	0.34	51953	92.25
613	318	0.56	21009	37.30	**660**	406	0.72	38892	69.06	**707**	166	0.29	52119	92.54
614	311	0.55	21320	37.86	**661**	377	0.67	39269	69.72	**708**	161	0.29	52280	92.83
615	342	0.61	21662	38.46	**662**	364	0.65	39633	70.37	**709**	178	0.32	52458	93.14
616	332	0.59	21994	39.05	**663**	401	0.71	40034	71.08	**710**	195	0.35	52653	93.49
617	382	0.68	22376	39.73	**664**	395	0.70	40429	71.78	**711**	155	0.28	52808	93.76
618	332	0.59	22708	40.32	**665**	366	0.65	40795	72.43	**712**	163	0.29	52971	94.05
619	355	0.63	23063	40.95	**666**	367	0.65	41162	73.09	**713**	145	0.26	53116	94.31
620	345	0.61	23408	41.56	**667**	387	0.69	41549	73.77	**714**	143	0.25	53259	94.56
621	398	0.71	23806	42.27	**668**	367	0.65	41916	74.42	**715**	138	0.25	53397	94.81
622	414	0.74	24220	43.00	**669**	369	0.66	42285	75.08	**716**	134	0.24	53531	95.05
623	346	0.61	24566	43.62	**670**	366	0.65	42651	75.73	**717**	125	0.22	53656	95.27
624	356	0.63	24922	44.25	**671**	329	0.58	42980	76.31	**718**	97	0.17	53753	95.44
625	334	0.59	25256	44.84	**672**	352	0.63	43332	76.94	**719**	118	0.21	53871	95.65
626	383	0.68	25639	45.52	**673**	324	0.58	43656	77.51	**720**	122	0.22	53993	95.87
627	390	0.69	26029	46.22	**674**	280	0.50	43936	78.01	**721**	108	0.19	54101	96.06
628	338	0.60	26367	46.82	**675**	306	0.54	44242	78.55	**722**	115	0.20	54216	96.26
629	379	0.67	26746	47.49	**676**	310	0.55	44552	79.11	**723**	92	0.16	54308	96.43
630	386	0.69	27132	48.17	**677**	305	0.54	44857	79.65	**724**	86	0.15	54394	96.58
631	382	0.68	27514	48.85	**678**	324	0.58	45181	80.22	**725**	84	0.15	54478	96.73
632	387	0.69	27901	49.54	**679**	324	0.58	45505	80.80	**726**	105	0.19	54583	96.92
633	387	0.69	28288	50.23	**680**	298	0.53	45803	81.33	**727**	91	0.16	54674	97.08
634	389	0.69	28677	50.92	**681**	312	0.55	46115	81.88	**728**	79	0.14	54753	97.22
635	441	0.78	29118	51.70	**682**	274	0.49	46389	82.37	**729**	80	0.14	54833	97.36
636	383	0.68	29501	52.38	**683**	298	0.53	46687	82.90	**730**	82	0.15	54915	97.51

Table 171. Reading 6 Scale Score Distribution (Concluded)

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

SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %
731	81	0.14	54996	97.65	**781**	1	0.00	56261	99.90
732	73	0.13	55069	97.78	**782**	2	0.00	56263	99.90
733	75	0.13	55144	97.91	**783**	4	0.01	56267	99.91
734	63	0.11	55207	98.02	**784**	5	0.01	56272	99.91
735	65	0.12	55272	98.14	**785**	3	0.01	56275	99.92
736	61	0.11	55333	98.25	**786**	4	0.01	56279	99.93
737	40	0.07	55373	98.32	**787**	4	0.01	56283	99.93
738	49	0.09	55422	98.41	**788**	2	0.00	56285	99.94
739	60	0.11	55482	98.51	**790**	1	0.00	56286	99.94
740	52	0.09	55534	98.60	**791**	1	0.00	56287	99.94
741	42	0.07	55576	98.68	**792**	1	0.00	56288	99.94
742	38	0.07	55614	98.75	**793**	1	0.00	56289	99.94
743	51	0.09	55665	98.84	**794**	4	0.01	56293	99.95
744	34	0.06	55699	98.90	**795**	1	0.00	56294	99.95
745	47	0.08	55746	98.98	**796**	3	0.01	56297	99.96
746	23	0.04	55769	99.02	**797**	2	0.00	56299	99.96
747	35	0.06	55804	99.08	**798**	3	0.01	56302	99.97
748	29	0.05	55833	99.14	**799**	1	0.00	56303	99.97
749	32	0.06	55865	99.19	**800**	1	0.00	56304	99.97
750	25	0.04	55890	99.24	**801**	2	0.00	56306	99.98
751	24	0.04	55914	99.28	**802**	1	0.00	56307	99.98
752	23	0.04	55937	99.32	**803**	2	0.00	56309	99.98
753	21	0.04	55958	99.36	**804**	1	0.00	56310	99.98
754	25	0.04	55983	99.40	**810**	1	0.00	56311	99.98
755	22	0.04	56005	99.44	**813**	2	0.00	56313	99.99
756	19	0.03	56024	99.47	**817**	1	0.00	56314	99.99
757	18	0.03	56042	99.51	**818**	1	0.00	56315	99.99
758	25	0.04	56067	99.55	**821**	2	0.00	56317	99.99
759	6	0.01	56073	99.56	**825**	1	0.00	56318	100.00
760	13	0.02	56086	99.58	**837**	1	0.00	56319	100.00
761	18	0.03	56104	99.62	**839**	1	0.00	56320	100.00
762	9	0.02	56113	99.63					
763	9	0.02	56122	99.65					
764	16	0.03	56138	99.68					
765	15	0.03	56153	99.70					
766	11	0.02	56164	99.72					
767	12	0.02	56176	99.74					
768	7	0.01	56183	99.76					
769	10	0.02	56193	99.77					
770	9	0.02	56202	99.79					
771	3	0.01	56205	99.80					
772	4	0.01	56209	99.80					
773	8	0.01	56217	99.82					
774	4	0.01	56221	99.82					
775	9	0.02	56230	99.84					
776	8	0.01	56238	99.85					
777	10	0.02	56248	99.87					
778	7	0.01	56255	99.88					
779	3	0.01	56258	99.89					
780	2	0.00	56260	99.89					

Table 172. Writing 6 Scale Score Distribution

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

SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %
230	34	0.06	34	0.06	**312**	4	0.01	132	0.23	**364**	16	0.03	521	0.92
231	1	0.00	35	0.06	**313**	2	0.00	134	0.24	**365**	12	0.02	533	0.95
234	1	0.00	36	0.06	**314**	7	0.01	141	0.25	**366**	15	0.03	548	0.97
238	2	0.00	38	0.07	**316**	4	0.01	145	0.26	**367**	18	0.03	566	1.00
245	1	0.00	39	0.07	**317**	2	0.00	147	0.26	**368**	11	0.02	577	1.02
247	1	0.00	40	0.07	**318**	4	0.01	151	0.27	**369**	19	0.03	596	1.06
251	1	0.00	41	0.07	**319**	2	0.00	153	0.27	**370**	17	0.03	613	1.09
252	1	0.00	42	0.07	**320**	2	0.00	155	0.27	**371**	14	0.02	627	1.11
253	1	0.00	43	0.08	**321**	1	0.00	156	0.28	**372**	28	0.05	655	1.16
255	1	0.00	44	0.08	**323**	2	0.00	158	0.28	**373**	23	0.04	678	1.20
256	1	0.00	45	0.08	**324**	5	0.01	163	0.29	**374**	21	0.04	699	1.24
258	1	0.00	46	0.08	**325**	9	0.02	172	0.31	**375**	22	0.04	721	1.28
259	1	0.00	47	0.08	**326**	5	0.01	177	0.31	**376**	21	0.04	742	1.32
261	2	0.00	49	0.09	**327**	4	0.01	181	0.32	**377**	23	0.04	765	1.36
263	1	0.00	50	0.09	**328**	2	0.00	183	0.32	**378**	29	0.05	794	1.41
264	1	0.00	51	0.09	**329**	5	0.01	188	0.33	**379**	24	0.04	818	1.45
267	2	0.00	53	0.09	**330**	2	0.00	190	0.34	**380**	13	0.02	831	1.47
270	1	0.00	54	0.10	**331**	4	0.01	194	0.34	**381**	25	0.04	856	1.52
271	3	0.01	57	0.10	**332**	6	0.01	200	0.35	**382**	27	0.05	883	1.57
274	1	0.00	58	0.10	**333**	8	0.01	208	0.37	**383**	21	0.04	904	1.60
276	1	0.00	59	0.10	**334**	9	0.02	217	0.38	**384**	35	0.06	939	1.67
280	1	0.00	60	0.11	**335**	5	0.01	222	0.39	**385**	27	0.05	966	1.71
281	1	0.00	61	0.11	**336**	7	0.01	229	0.41	**386**	15	0.03	981	1.74
282	2	0.00	63	0.11	**337**	6	0.01	235	0.42	**387**	30	0.05	1011	1.79
283	2	0.00	65	0.12	**338**	12	0.02	247	0.44	**388**	27	0.05	1038	1.84
284	1	0.00	66	0.12	**339**	11	0.02	258	0.46	**389**	33	0.06	1071	1.90
286	1	0.00	67	0.12	**340**	8	0.01	266	0.47	**390**	36	0.06	1107	1.96
288	3	0.01	70	0.12	**341**	11	0.02	277	0.49	**391**	39	0.07	1146	2.03
289	4	0.01	74	0.13	**342**	4	0.01	281	0.50	**392**	29	0.05	1175	2.08
290	2	0.00	76	0.13	**343**	10	0.02	291	0.52	**393**	33	0.06	1208	2.14
291	2	0.00	78	0.14	**344**	6	0.01	297	0.53	**394**	33	0.06	1241	2.20
293	5	0.01	83	0.15	**345**	11	0.02	308	0.55	**395**	46	0.08	1287	2.28
294	1	0.00	84	0.15	**346**	9	0.02	317	0.56	**396**	36	0.06	1323	2.35
295	1	0.00	85	0.15	**347**	5	0.01	322	0.57	**397**	35	0.06	1358	2.41
296	3	0.01	88	0.16	**348**	7	0.01	329	0.58	**398**	45	0.08	1403	2.49
297	3	0.01	91	0.16	**349**	11	0.02	340	0.60	**399**	36	0.06	1439	2.55
298	2	0.00	93	0.16	**350**	5	0.01	345	0.61	**400**	48	0.09	1487	2.64
299	3	0.01	96	0.17	**351**	14	0.02	359	0.64	**401**	39	0.07	1526	2.71
300	1	0.00	97	0.17	**352**	10	0.02	369	0.65	**402**	44	0.08	1570	2.78
301	2	0.00	99	0.18	**353**	10	0.02	379	0.67	**403**	45	0.08	1615	2.86
302	4	0.01	103	0.18	**354**	9	0.02	388	0.69	**404**	36	0.06	1651	2.93
303	2	0.00	105	0.19	**355**	14	0.02	402	0.71	**405**	55	0.10	1706	3.03
304	4	0.01	109	0.19	**356**	9	0.02	411	0.73	**406**	45	0.08	1751	3.11
305	1	0.00	110	0.20	**357**	18	0.03	429	0.76	**407**	46	0.08	1797	3.19
306	4	0.01	114	0.20	**358**	9	0.02	438	0.78	**408**	45	0.08	1842	3.27
307	6	0.01	120	0.21	**359**	14	0.02	452	0.80	**409**	62	0.11	1904	3.38
308	3	0.01	123	0.22	**360**	8	0.01	460	0.82	**410**	60	0.11	1964	3.48
309	3	0.01	126	0.22	**361**	11	0.02	471	0.84	**411**	63	0.11	2027	3.60
310	1	0.00	127	0.23	**362**	23	0.04	494	0.88	**412**	54	0.10	2081	3.69
311	1	0.00	128	0.23	**363**	11	0.02	505	0.90	**413**	58	0.10	2139	3.79

Table 172. Writing 6 Scale Score Distribution (Continued)

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

SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %
414	59	0.10	2198	3.90	**464**	200	0.35	8378	14.86	**514**	386	0.68	23046	40.88
415	50	0.09	2248	3.99	**465**	199	0.35	8577	15.21	**515**	365	0.65	23411	41.52
416	64	0.11	2312	4.10	**466**	207	0.37	8784	15.58	**516**	356	0.63	23767	42.16
417	53	0.09	2365	4.19	**467**	196	0.35	8980	15.93	**517**	378	0.67	24145	42.83
418	63	0.11	2428	4.31	**468**	193	0.34	9173	16.27	**518**	368	0.65	24513	43.48
419	71	0.13	2499	4.43	**469**	210	0.37	9383	16.64	**519**	378	0.67	24891	44.15
420	67	0.12	2566	4.55	**470**	224	0.40	9607	17.04	**520**	387	0.69	25278	44.84
421	77	0.14	2643	4.69	**471**	229	0.41	9836	17.45	**521**	390	0.69	25668	45.53
422	72	0.13	2715	4.82	**472**	232	0.41	10068	17.86	**522**	424	0.75	26092	46.28
423	68	0.12	2783	4.94	**473**	228	0.40	10296	18.26	**523**	413	0.73	26505	47.01
424	87	0.15	2870	5.09	**474**	235	0.42	10531	18.68	**524**	373	0.66	26878	47.67
425	106	0.19	2976	5.28	**475**	243	0.43	10774	19.11	**525**	371	0.66	27249	48.33
426	81	0.14	3057	5.42	**476**	248	0.44	11022	19.55	**526**	402	0.71	27651	49.04
427	90	0.16	3147	5.58	**477**	256	0.45	11278	20.00	**527**	417	0.74	28068	49.78
428	90	0.16	3237	5.74	**478**	240	0.43	11518	20.43	**528**	378	0.67	28446	50.45
429	90	0.16	3327	5.90	**479**	259	0.46	11777	20.89	**529**	417	0.74	28863	51.19
430	94	0.17	3421	6.07	**480**	269	0.48	12046	21.37	**530**	427	0.76	29290	51.95
431	89	0.16	3510	6.23	**481**	303	0.54	12349	21.90	**531**	426	0.76	29716	52.71
432	108	0.19	3618	6.42	**482**	266	0.47	12615	22.37	**532**	394	0.70	30110	53.41
433	92	0.16	3710	6.58	**483**	296	0.53	12911	22.90	**533**	432	0.77	30542	54.17
434	114	0.20	3824	6.78	**484**	259	0.46	13170	23.36	**534**	408	0.72	30950	54.90
435	116	0.21	3940	6.99	**485**	260	0.46	13430	23.82	**535**	405	0.72	31355	55.61
436	122	0.22	4062	7.20	**486**	276	0.49	13706	24.31	**536**	384	0.68	31739	56.29
437	108	0.19	4170	7.40	**487**	315	0.56	14021	24.87	**537**	384	0.68	32123	56.98
438	110	0.20	4280	7.59	**488**	267	0.47	14288	25.34	**538**	365	0.65	32488	57.62
439	115	0.20	4395	7.80	**489**	301	0.53	14589	25.88	**539**	409	0.73	32897	58.35
440	122	0.22	4517	8.01	**490**	271	0.48	14860	26.36	**540**	405	0.72	33302	59.07
441	138	0.24	4655	8.26	**491**	304	0.54	15164	26.90	**541**	359	0.64	33661	59.70
442	132	0.23	4787	8.49	**492**	289	0.51	15453	27.41	**542**	375	0.67	34036	60.37
443	125	0.22	4912	8.71	**493**	302	0.54	15755	27.94	**543**	399	0.71	34435	61.08
444	128	0.23	5040	8.94	**494**	314	0.56	16069	28.50	**544**	353	0.63	34788	61.70
445	124	0.22	5164	9.16	**495**	333	0.59	16402	29.09	**545**	355	0.63	35143	62.33
446	129	0.23	5293	9.39	**496**	334	0.59	16736	29.68	**546**	367	0.65	35510	62.98
447	161	0.29	5454	9.67	**497**	308	0.55	17044	30.23	**547**	349	0.62	35859	63.60
448	161	0.29	5615	9.96	**498**	320	0.57	17364	30.80	**548**	362	0.64	36221	64.24
449	138	0.24	5753	10.20	**499**	331	0.59	17695	31.39	**549**	357	0.63	36578	64.88
450	150	0.27	5903	10.47	**500**	333	0.59	18028	31.98	**550**	353	0.63	36931	65.50
451	137	0.24	6040	10.71	**501**	342	0.61	18370	32.58	**551**	338	0.60	37269	66.10
452	154	0.27	6194	10.99	**502**	344	0.61	18714	33.19	**552**	337	0.60	37606	66.70
453	168	0.30	6362	11.28	**503**	361	0.64	19075	33.83	**553**	343	0.61	37949	67.31
454	155	0.27	6517	11.56	**504**	351	0.62	19426	34.46	**554**	358	0.63	38307	67.94
455	160	0.28	6677	11.84	**505**	378	0.67	19804	35.13	**555**	319	0.57	38626	68.51
456	182	0.32	6859	12.17	**506**	342	0.61	20146	35.73	**556**	301	0.53	38927	69.04
457	172	0.31	7031	12.47	**507**	356	0.63	20502	36.36	**557**	336	0.60	39263	69.64
458	190	0.34	7221	12.81	**508**	345	0.61	20847	36.98	**558**	319	0.57	39582	70.21
459	197	0.35	7418	13.16	**509**	359	0.64	21206	37.61	**559**	317	0.56	39899	70.77
460	185	0.33	7603	13.49	**510**	367	0.65	21573	38.26	**560**	322	0.57	40221	71.34
461	193	0.34	7796	13.83	**511**	359	0.64	21932	38.90	**561**	331	0.59	40552	71.93
462	183	0.32	7979	14.15	**512**	365	0.65	22297	39.55	**562**	322	0.57	40874	72.50
463	199	0.35	8178	14.51	**513**	363	0.64	22660	40.19	**563**	318	0.56	41192	73.06

Table 172. Writing 6 Scale Score Distribution (Continued)

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

SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %
564	315	0.56	41507	73.62	**611**	125	0.22	51826	91.92	**658**	36	0.06	55412	98.28
565	303	0.54	41810	74.16	**612**	126	0.22	51952	92.15	**659**	29	0.05	55441	98.33
566	306	0.54	42116	74.70	**613**	132	0.23	52084	92.38	**660**	34	0.06	55475	98.39
567	286	0.51	42402	75.21	**614**	145	0.26	52229	92.64	**661**	26	0.05	55501	98.44
568	311	0.55	42713	75.76	**615**	103	0.18	52332	92.82	**662**	26	0.05	55527	98.49
569	307	0.54	43020	76.30	**616**	126	0.22	52458	93.04	**663**	26	0.05	55553	98.53
570	289	0.51	43309	76.82	**617**	108	0.19	52566	93.24	**664**	32	0.06	55585	98.59
571	280	0.50	43589	77.31	**618**	133	0.24	52699	93.47	**665**	36	0.06	55621	98.65
572	283	0.50	43872	77.81	**619**	99	0.18	52798	93.65	**666**	26	0.05	55647	98.70
573	263	0.47	44135	78.28	**620**	109	0.19	52907	93.84	**667**	24	0.04	55671	98.74
574	277	0.49	44412	78.77	**621**	120	0.21	53027	94.05	**668**	27	0.05	55698	98.79
575	266	0.47	44678	79.24	**622**	103	0.18	53130	94.24	**669**	15	0.03	55713	98.82
576	271	0.48	44949	79.73	**623**	116	0.21	53246	94.44	**670**	24	0.04	55737	98.86
577	299	0.53	45248	80.26	**624**	94	0.17	53340	94.61	**671**	36	0.06	55773	98.92
578	260	0.46	45508	80.72	**625**	100	0.18	53440	94.79	**672**	27	0.05	55800	98.97
579	270	0.48	45778	81.20	**626**	97	0.17	53537	94.96	**673**	17	0.03	55817	99.00
580	244	0.43	46022	81.63	**627**	85	0.15	53622	95.11	**674**	12	0.02	55829	99.02
581	225	0.40	46247	82.03	**628**	88	0.16	53710	95.26	**675**	32	0.06	55861	99.08
582	246	0.44	46493	82.46	**629**	87	0.15	53797	95.42	**676**	18	0.03	55879	99.11
583	229	0.41	46722	82.87	**630**	77	0.14	53874	95.56	**677**	19	0.03	55898	99.15
584	254	0.45	46976	83.32	**631**	87	0.15	53961	95.71	**678**	10	0.02	55908	99.16
585	241	0.43	47217	83.75	**632**	89	0.16	54050	95.87	**679**	12	0.02	55920	99.18
586	203	0.36	47420	84.11	**633**	67	0.12	54117	95.99	**680**	11	0.02	55931	99.20
587	228	0.40	47648	84.51	**634**	69	0.12	54186	96.11	**681**	19	0.03	55950	99.24
588	248	0.44	47896	84.95	**635**	61	0.11	54247	96.22	**682**	14	0.02	55964	99.26
589	198	0.35	48094	85.30	**636**	65	0.12	54312	96.33	**683**	18	0.03	55982	99.29
590	219	0.39	48313	85.69	**637**	77	0.14	54389	96.47	**684**	10	0.02	55992	99.31
591	201	0.36	48514	86.05	**638**	64	0.11	54453	96.58	**685**	8	0.01	56000	99.33
592	186	0.33	48700	86.38	**639**	60	0.11	54513	96.69	**686**	9	0.02	56009	99.34
593	182	0.32	48882	86.70	**640**	61	0.11	54574	96.80	**687**	14	0.02	56023	99.37
594	189	0.34	49071	87.04	**641**	67	0.12	54641	96.92	**688**	9	0.02	56032	99.38
595	207	0.37	49278	87.40	**642**	65	0.12	54706	97.03	**689**	6	0.01	56038	99.39
596	180	0.32	49458	87.72	**643**	57	0.10	54763	97.13	**690**	5	0.01	56043	99.40
597	174	0.31	49632	88.03	**644**	53	0.09	54816	97.23	**691**	16	0.03	56059	99.43
598	190	0.34	49822	88.37	**645**	65	0.12	54881	97.34	**692**	17	0.03	56076	99.46
599	191	0.34	50013	88.71	**646**	52	0.09	54933	97.43	**693**	5	0.01	56081	99.47
600	177	0.31	50190	89.02	**647**	48	0.09	54981	97.52	**694**	7	0.01	56088	99.48
601	163	0.29	50353	89.31	**648**	48	0.09	55029	97.60	**695**	13	0.02	56101	99.51
602	169	0.30	50522	89.61	**649**	50	0.09	55079	97.69	**696**	6	0.01	56107	99.52
603	143	0.25	50665	89.86	**650**	40	0.07	55119	97.76	**697**	14	0.02	56121	99.54
604	172	0.31	50837	90.17	**651**	40	0.07	55159	97.83	**698**	7	0.01	56128	99.55
605	131	0.23	50968	90.40	**652**	34	0.06	55193	97.89	**699**	6	0.01	56134	99.56
606	146	0.26	51114	90.66	**653**	39	0.07	55232	97.96	**700**	8	0.01	56142	99.58
607	167	0.30	51281	90.96	**654**	37	0.07	55269	98.03	**701**	5	0.01	56147	99.59
608	136	0.24	51417	91.20	**655**	38	0.07	55307	98.10	**702**	4	0.01	56151	99.59
609	153	0.27	51570	91.47	**656**	36	0.06	55343	98.16	**703**	10	0.02	56161	99.61
610	131	0.23	51701	91.70	**657**	33	0.06	55376	98.22	**704**	7	0.01	56168	99.62

Table 172. Writing 6 Scale Score Distribution (Concluded)

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

SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %
706	4	0.01	56172	99.63	**774**	1	0.00	56339	99.93
707	3	0.01	56175	99.64	**775**	1	0.00	56340	99.93
708	11	0.02	56186	99.66	**777**	2	0.00	56342	99.93
709	10	0.02	56196	99.67	**778**	1	0.00	56343	99.93
710	3	0.01	56199	99.68	**781**	1	0.00	56344	99.94
711	11	0.02	56210	99.70	**782**	1	0.00	56345	99.94
712	3	0.01	56213	99.70	**789**	2	0.00	56347	99.94
713	4	0.01	56217	99.71	**793**	2	0.00	56349	99.95
714	4	0.01	56221	99.72	**794**	2	0.00	56351	99.95
715	7	0.01	56228	99.73	**809**	4	0.01	56355	99.96
716	2	0.00	56230	99.73	**814**	4	0.01	56359	99.96
717	4	0.01	56234	99.74	**821**	1	0.00	56360	99.96
718	2	0.00	56236	99.74	**823**	7	0.01	56367	99.98
719	2	0.00	56238	99.75	**834**	2	0.00	56369	99.98
720	3	0.01	56241	99.75	**840**	11	0.02	56380	100.00
721	2	0.00	56243	99.76					
722	6	0.01	56249	99.77					
723	1	0.00	56250	99.77					
724	2	0.00	56252	99.77					
725	4	0.01	56256	99.78					
726	3	0.01	56259	99.79					
729	15	0.03	56274	99.81					
730	2	0.00	56276	99.82					
731	3	0.01	56279	99.82					
732	3	0.01	56282	99.83					
733	2	0.00	56284	99.83					
734	1	0.00	56285	99.83					
735	2	0.00	56287	99.84					
736	1	0.00	56288	99.84					
737	3	0.01	56291	99.84					
739	1	0.00	56292	99.84					
740	4	0.01	56296	99.85					
741	3	0.01	56299	99.86					
742	3	0.01	56302	99.86					
743	3	0.01	56305	99.87					
744	2	0.00	56307	99.87					
745	2	0.00	56309	99.87					
746	1	0.00	56310	99.88					
747	3	0.01	56313	99.88					
750	1	0.00	56314	99.88					
751	2	0.00	56316	99.89					
752	3	0.01	56319	99.89					
753	3	0.01	56322	99.90					
757	4	0.01	56326	99.90					
760	1	0.00	56327	99.91					
762	4	0.01	56331	99.91					
766	3	0.01	56334	99.92					
767	2	0.00	56336	99.92					
769	1	0.00	56337	99.92					
771	1	0.00	56338	99.93					

Table 173. Mathematics 6 Scale Score Distribution

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

SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %
240	83	0.15	83	0.15	**294**	4	0.01	239	0.42	**344**	12	0.02	740	1.31
242	1	0.00	84	0.15	**295**	9	0.02	248	0.44	**345**	11	0.02	751	1.33
243	3	0.01	87	0.15	**296**	5	0.01	253	0.45	**346**	12	0.02	763	1.35
244	5	0.01	92	0.16	**297**	7	0.01	260	0.46	**347**	15	0.03	778	1.38
246	2	0.00	94	0.17	**298**	6	0.01	266	0.47	**348**	17	0.03	795	1.41
248	1	0.00	95	0.17	**299**	5	0.01	271	0.48	**349**	15	0.03	810	1.43
249	2	0.00	97	0.17	**300**	5	0.01	276	0.49	**350**	15	0.03	825	1.46
250	3	0.01	100	0.18	**301**	5	0.01	281	0.50	**351**	18	0.03	843	1.49
251	1	0.00	101	0.18	**302**	5	0.01	286	0.51	**352**	17	0.03	860	1.52
252	1	0.00	102	0.18	**303**	9	0.02	295	0.52	**353**	24	0.04	884	1.57
253	1	0.00	103	0.18	**304**	9	0.02	304	0.54	**354**	12	0.02	896	1.59
254	3	0.01	106	0.19	**305**	5	0.01	309	0.55	**355**	21	0.04	917	1.62
256	2	0.00	108	0.19	**306**	7	0.01	316	0.56	**356**	27	0.05	944	1.67
257	4	0.01	112	0.20	**307**	8	0.01	324	0.57	**357**	20	0.04	964	1.71
258	4	0.01	116	0.21	**308**	4	0.01	328	0.58	**358**	32	0.06	996	1.76
259	4	0.01	120	0.21	**309**	10	0.02	338	0.60	**359**	18	0.03	1014	1.80
260	3	0.01	123	0.22	**310**	5	0.01	343	0.61	**360**	20	0.04	1034	1.83
261	3	0.01	126	0.22	**311**	4	0.01	347	0.61	**361**	21	0.04	1055	1.87
262	2	0.00	128	0.23	**312**	11	0.02	358	0.63	**362**	17	0.03	1072	1.90
263	2	0.00	130	0.23	**313**	6	0.01	364	0.64	**363**	32	0.06	1104	1.96
264	2	0.00	132	0.23	**314**	9	0.02	373	0.66	**364**	23	0.04	1127	2.00
265	4	0.01	136	0.24	**315**	14	0.02	387	0.69	**365**	23	0.04	1150	2.04
266	7	0.01	143	0.25	**316**	9	0.02	396	0.70	**366**	29	0.05	1179	2.09
267	2	0.00	145	0.26	**317**	12	0.02	408	0.72	**367**	22	0.04	1201	2.13
268	4	0.01	149	0.26	**318**	5	0.01	413	0.73	**368**	24	0.04	1225	2.17
269	2	0.00	151	0.27	**319**	7	0.01	420	0.74	**369**	29	0.05	1254	2.22
270	3	0.01	154	0.27	**320**	11	0.02	431	0.76	**370**	31	0.05	1285	2.28
271	3	0.01	157	0.28	**321**	9	0.02	440	0.78	**371**	23	0.04	1308	2.32
272	6	0.01	163	0.29	**322**	11	0.02	451	0.80	**372**	39	0.07	1347	2.39
273	2	0.00	165	0.29	**323**	10	0.02	461	0.82	**373**	24	0.04	1371	2.43
274	2	0.00	167	0.30	**324**	7	0.01	468	0.83	**374**	43	0.08	1414	2.50
275	1	0.00	168	0.30	**325**	15	0.03	483	0.86	**375**	19	0.03	1433	2.54
276	1	0.00	169	0.30	**326**	8	0.01	491	0.87	**376**	18	0.03	1451	2.57
277	3	0.01	172	0.30	**327**	16	0.03	507	0.90	**377**	28	0.05	1479	2.62
278	1	0.00	173	0.31	**328**	7	0.01	514	0.91	**378**	41	0.07	1520	2.69
279	4	0.01	177	0.31	**329**	17	0.03	531	0.94	**379**	21	0.04	1541	2.73
280	7	0.01	184	0.33	**330**	12	0.02	543	0.96	**380**	42	0.07	1583	2.80
281	2	0.00	186	0.33	**331**	10	0.02	553	0.98	**381**	29	0.05	1612	2.86
282	5	0.01	191	0.34	**332**	8	0.01	561	0.99	**382**	40	0.07	1652	2.93
283	8	0.01	199	0.35	**333**	14	0.02	575	1.02	**383**	31	0.05	1683	2.98
284	4	0.01	203	0.36	**334**	8	0.01	583	1.03	**384**	28	0.05	1711	3.03
285	5	0.01	208	0.37	**335**	17	0.03	600	1.06	**385**	33	0.06	1744	3.09
286	2	0.00	210	0.37	**336**	20	0.04	620	1.10	**386**	33	0.06	1777	3.15
287	1	0.00	211	0.37	**337**	13	0.02	633	1.12	**387**	35	0.06	1812	3.21
288	5	0.01	216	0.38	**338**	17	0.03	650	1.15	**388**	44	0.08	1856	3.29
289	3	0.01	219	0.39	**339**	12	0.02	662	1.17	**389**	45	0.08	1901	3.37
290	5	0.01	224	0.40	**340**	17	0.03	679	1.20	**390**	34	0.06	1935	3.43
291	6	0.01	230	0.41	**341**	12	0.02	691	1.22	**391**	38	0.07	1973	3.50
292	2	0.00	232	0.41	**342**	19	0.03	710	1.26	**392**	40	0.07	2013	3.57
293	3	0.01	235	0.42	**343**	18	0.03	728	1.29	**393**	51	0.09	2064	3.66

Table 173. Mathematics 6 Scale Score Distribution (Continued)

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

SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %
394	50	0.09	2114	3.74	**444**	132	0.23	6103	10.81	**494**	253	0.45	15371	27.23
395	43	0.08	2157	3.82	**445**	118	0.21	6221	11.02	**495**	255	0.45	15626	27.68
396	50	0.09	2207	3.91	**446**	126	0.22	6347	11.24	**496**	230	0.41	15856	28.09
397	46	0.08	2253	3.99	**447**	106	0.19	6453	11.43	**497**	273	0.48	16129	28.57
398	42	0.07	2295	4.07	**448**	148	0.26	6601	11.69	**498**	264	0.47	16393	29.04
399	58	0.10	2353	4.17	**449**	145	0.26	6746	11.95	**499**	250	0.44	16643	29.48
400	59	0.10	2412	4.27	**450**	119	0.21	6865	12.16	**500**	257	0.46	16900	29.94
401	61	0.11	2473	4.38	**451**	142	0.25	7007	12.41	**501**	269	0.48	17169	30.41
402	54	0.10	2527	4.48	**452**	148	0.26	7155	12.67	**502**	267	0.47	17436	30.89
403	47	0.08	2574	4.56	**453**	142	0.25	7297	12.93	**503**	276	0.49	17712	31.38
404	49	0.09	2623	4.65	**454**	159	0.28	7456	13.21	**504**	282	0.50	17994	31.87
405	50	0.09	2673	4.73	**455**	142	0.25	7598	13.46	**505**	270	0.48	18264	32.35
406	45	0.08	2718	4.81	**456**	143	0.25	7741	13.71	**506**	273	0.48	18537	32.84
407	77	0.14	2795	4.95	**457**	116	0.21	7857	13.92	**507**	278	0.49	18815	33.33
408	65	0.12	2860	5.07	**458**	160	0.28	8017	14.20	**508**	295	0.52	19110	33.85
409	44	0.08	2904	5.14	**459**	142	0.25	8159	14.45	**509**	290	0.51	19400	34.37
410	91	0.16	2995	5.31	**460**	182	0.32	8341	14.78	**510**	307	0.54	19707	34.91
411	70	0.12	3065	5.43	**461**	188	0.33	8529	15.11	**511**	309	0.55	20016	35.46
412	55	0.10	3120	5.53	**462**	165	0.29	8694	15.40	**512**	273	0.48	20289	35.94
413	75	0.13	3195	5.66	**463**	170	0.30	8864	15.70	**513**	301	0.53	20590	36.47
414	52	0.09	3247	5.75	**464**	189	0.33	9053	16.04	**514**	280	0.50	20870	36.97
415	68	0.12	3315	5.87	**465**	161	0.29	9214	16.32	**515**	289	0.51	21159	37.48
416	75	0.13	3390	6.01	**466**	166	0.29	9380	16.62	**516**	291	0.52	21450	38.00
417	62	0.11	3452	6.11	**467**	171	0.30	9551	16.92	**517**	276	0.49	21726	38.49
418	82	0.15	3534	6.26	**468**	192	0.34	9743	17.26	**518**	318	0.56	22044	39.05
419	80	0.14	3614	6.40	**469**	165	0.29	9908	17.55	**519**	277	0.49	22321	39.54
420	75	0.13	3689	6.53	**470**	172	0.30	10080	17.86	**520**	329	0.58	22650	40.12
421	102	0.18	3791	6.72	**471**	185	0.33	10265	18.18	**521**	282	0.50	22932	40.62
422	76	0.13	3867	6.85	**472**	200	0.35	10465	18.54	**522**	299	0.53	23231	41.15
423	76	0.13	3943	6.98	**473**	170	0.30	10635	18.84	**523**	317	0.56	23548	41.71
424	89	0.16	4032	7.14	**474**	206	0.36	10841	19.20	**524**	313	0.55	23861	42.27
425	72	0.13	4104	7.27	**475**	185	0.33	11026	19.53	**525**	304	0.54	24165	42.81
426	99	0.18	4203	7.45	**476**	201	0.36	11227	19.89	**526**	306	0.54	24471	43.35
427	101	0.18	4304	7.62	**477**	198	0.35	11425	20.24	**527**	304	0.54	24775	43.89
428	95	0.17	4399	7.79	**478**	207	0.37	11632	20.61	**528**	317	0.56	25092	44.45
429	96	0.17	4495	7.96	**479**	204	0.36	11836	20.97	**529**	320	0.57	25412	45.02
430	86	0.15	4581	8.11	**480**	188	0.33	12024	21.30	**530**	320	0.57	25732	45.58
431	84	0.15	4665	8.26	**481**	219	0.39	12243	21.69	**531**	328	0.58	26060	46.16
432	93	0.16	4758	8.43	**482**	240	0.43	12483	22.11	**532**	302	0.53	26362	46.70
433	92	0.16	4850	8.59	**483**	220	0.39	12703	22.50	**533**	322	0.57	26684	47.27
434	97	0.17	4947	8.76	**484**	230	0.41	12933	22.91	**534**	306	0.54	26990	47.81
435	96	0.17	5043	8.93	**485**	236	0.42	13169	23.33	**535**	282	0.50	27272	48.31
436	114	0.20	5157	9.14	**486**	253	0.45	13422	23.78	**536**	286	0.51	27558	48.82
437	111	0.20	5268	9.33	**487**	203	0.36	13625	24.14	**537**	324	0.57	27882	49.39
438	116	0.21	5384	9.54	**488**	233	0.41	13858	24.55	**538**	285	0.50	28167	49.90
439	114	0.20	5498	9.74	**489**	228	0.40	14086	24.95	**539**	295	0.52	28462	50.42
440	134	0.24	5632	9.98	**490**	259	0.46	14345	25.41	**540**	308	0.55	28770	50.96
441	119	0.21	5751	10.19	**491**	249	0.44	14594	25.85	**541**	301	0.53	29071	51.50
442	103	0.18	5854	10.37	**492**	274	0.49	14868	26.34	**542**	330	0.58	29401	52.08
443	117	0.21	5971	10.58	**493**	250	0.44	15118	26.78	**543**	330	0.58	29731	52.67

Table 173. Mathematics 6 Scale Score Distribution (Continued)

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

SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %
544	294	0.52	30025	53.19	**591**	230	0.41	43091	76.33	**638**	140	0.25	51817	91.79
545	289	0.51	30314	53.70	**592**	227	0.40	43318	76.73	**639**	120	0.21	51937	92.00
546	326	0.58	30640	54.28	**593**	223	0.40	43541	77.13	**640**	111	0.20	52048	92.20
547	312	0.55	30952	54.83	**594**	214	0.38	43755	77.51	**641**	133	0.24	52181	92.43
548	286	0.51	31238	55.34	**595**	224	0.40	43979	77.91	**642**	115	0.20	52296	92.64
549	299	0.53	31537	55.87	**596**	237	0.42	44216	78.32	**643**	118	0.21	52414	92.85
550	272	0.48	31809	56.35	**597**	236	0.42	44452	78.74	**644**	105	0.19	52519	93.03
551	337	0.60	32146	56.94	**598**	233	0.41	44685	79.16	**645**	102	0.18	52621	93.21
552	320	0.57	32466	57.51	**599**	239	0.42	44924	79.58	**646**	112	0.20	52733	93.41
553	295	0.52	32761	58.03	**600**	198	0.35	45122	79.93	**647**	108	0.19	52841	93.60
554	309	0.55	33070	58.58	**601**	215	0.38	45337	80.31	**648**	106	0.19	52947	93.79
555	277	0.49	33347	59.07	**602**	205	0.36	45542	80.67	**649**	108	0.19	53055	93.98
556	292	0.52	33639	59.59	**603**	202	0.36	45744	81.03	**650**	94	0.17	53149	94.15
557	327	0.58	33966	60.17	**604**	229	0.41	45973	81.44	**651**	97	0.17	53246	94.32
558	294	0.52	34260	60.69	**605**	220	0.39	46193	81.83	**652**	100	0.18	53346	94.50
559	278	0.49	34538	61.18	**606**	228	0.40	46421	82.23	**653**	88	0.16	53434	94.65
560	288	0.51	34826	61.69	**607**	172	0.30	46593	82.54	**654**	78	0.14	53512	94.79
561	268	0.47	35094	62.17	**608**	224	0.40	46817	82.93	**655**	78	0.14	53590	94.93
562	283	0.50	35377	62.67	**609**	190	0.34	47007	83.27	**656**	78	0.14	53668	95.07
563	284	0.50	35661	63.17	**610**	209	0.37	47216	83.64	**657**	81	0.14	53749	95.21
564	249	0.44	35910	63.61	**611**	204	0.36	47420	84.00	**658**	81	0.14	53830	95.36
565	283	0.50	36193	64.11	**612**	222	0.39	47642	84.39	**659**	80	0.14	53910	95.50
566	293	0.52	36486	64.63	**613**	202	0.36	47844	84.75	**660**	88	0.16	53998	95.65
567	278	0.49	36764	65.12	**614**	199	0.35	48043	85.10	**661**	76	0.13	54074	95.79
568	279	0.49	37043	65.62	**615**	170	0.30	48213	85.41	**662**	80	0.14	54154	95.93
569	293	0.52	37336	66.14	**616**	195	0.35	48408	85.75	**663**	73	0.13	54227	96.06
570	271	0.48	37607	66.62	**617**	172	0.30	48580	86.06	**664**	58	0.10	54285	96.16
571	305	0.54	37912	67.16	**618**	189	0.33	48769	86.39	**665**	60	0.11	54345	96.27
572	276	0.49	38188	67.65	**619**	178	0.32	48947	86.71	**666**	61	0.11	54406	96.38
573	289	0.51	38477	68.16	**620**	165	0.29	49112	87.00	**667**	60	0.11	54466	96.48
574	298	0.53	38775	68.69	**621**	185	0.33	49297	87.33	**668**	56	0.10	54522	96.58
575	249	0.44	39024	69.13	**622**	163	0.29	49460	87.61	**669**	55	0.10	54577	96.68
576	302	0.53	39326	69.66	**623**	176	0.31	49636	87.93	**670**	57	0.10	54634	96.78
577	297	0.53	39623	70.19	**624**	159	0.28	49795	88.21	**671**	51	0.09	54685	96.87
578	270	0.48	39893	70.67	**625**	157	0.28	49952	88.49	**672**	54	0.10	54739	96.97
579	281	0.50	40174	71.16	**626**	157	0.28	50109	88.76	**673**	56	0.10	54795	97.06
580	263	0.47	40437	71.63	**627**	161	0.29	50270	89.05	**674**	47	0.08	54842	97.15
581	244	0.43	40681	72.06	**628**	160	0.28	50430	89.33	**675**	57	0.10	54899	97.25
582	256	0.45	40937	72.52	**629**	155	0.27	50585	89.61	**676**	54	0.10	54953	97.34
583	228	0.40	41165	72.92	**630**	139	0.25	50724	89.85	**677**	47	0.08	55000	97.43
584	258	0.46	41423	73.38	**631**	139	0.25	50863	90.10	**678**	37	0.07	55037	97.49
585	233	0.41	41656	73.79	**632**	137	0.24	51000	90.34	**679**	33	0.06	55070	97.55
586	228	0.40	41884	74.19	**633**	140	0.25	51140	90.59	**680**	39	0.07	55109	97.62
587	227	0.40	42111	74.60	**634**	130	0.23	51270	90.82	**681**	39	0.07	55148	97.69
588	259	0.46	42370	75.05	**635**	156	0.28	51426	91.10	**682**	33	0.06	55181	97.75
589	244	0.43	42614	75.49	**636**	125	0.22	51551	91.32	**683**	46	0.08	55227	97.83
590	247	0.44	42861	75.92	**637**	126	0.22	51677	91.54	**684**	32	0.06	55259	97.89

Table 173. Mathematics 6 Scale Score Distribution (Concluded)

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

SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %
685	37	0.07	55296	97.95	**735**	10	0.02	56181	99.52	**830**	31	0.05	56452	100.00
686	33	0.06	55329	98.01	**736**	5	0.01	56186	99.53					
687	26	0.05	55355	98.06	**737**	11	0.02	56197	99.55					
688	18	0.03	55373	98.09	**738**	7	0.01	56204	99.56					
689	33	0.06	55406	98.15	**739**	4	0.01	56208	99.57					
690	31	0.05	55437	98.20	**740**	1	0.00	56209	99.57					
691	31	0.05	55468	98.26	**741**	8	0.01	56217	99.58					
692	32	0.06	55500	98.31	**742**	2	0.00	56219	99.59					
693	31	0.05	55531	98.37	**743**	3	0.01	56222	99.59					
694	31	0.05	55562	98.42	**744**	5	0.01	56227	99.60					
695	26	0.05	55588	98.47	**745**	1	0.00	56228	99.60					
696	27	0.05	55615	98.52	**746**	9	0.02	56237	99.62					
697	29	0.05	55644	98.57	**747**	5	0.01	56242	99.63					
698	28	0.05	55672	98.62	**748**	1	0.00	56243	99.63					
699	24	0.04	55696	98.66	**749**	2	0.00	56245	99.63					
700	21	0.04	55717	98.70	**750**	8	0.01	56253	99.65					
701	18	0.03	55735	98.73	**751**	14	0.02	56267	99.67					
702	23	0.04	55758	98.77	**752**	3	0.01	56270	99.68					
703	17	0.03	55775	98.80	**753**	4	0.01	56274	99.68					
704	18	0.03	55793	98.83	**754**	2	0.00	56276	99.69					
705	17	0.03	55810	98.86	**755**	6	0.01	56282	99.70					
706	17	0.03	55827	98.89	**757**	3	0.01	56285	99.70					
707	21	0.04	55848	98.93	**758**	9	0.02	56294	99.72					
708	10	0.02	55858	98.95	**759**	8	0.01	56302	99.73					
709	6	0.01	55864	98.96	**760**	2	0.00	56304	99.74					
710	24	0.04	55888	99.00	**761**	2	0.00	56306	99.74					
711	12	0.02	55900	99.02	**762**	3	0.01	56309	99.75					
712	12	0.02	55912	99.04	**763**	12	0.02	56321	99.77					
713	9	0.02	55921	99.06	**764**	2	0.00	56323	99.77					
714	15	0.03	55936	99.09	**768**	1	0.00	56324	99.77					
715	16	0.03	55952	99.11	**770**	1	0.00	56325	99.78					
716	13	0.02	55965	99.14	**772**	5	0.01	56330	99.78					
717	25	0.04	55990	99.18	**775**	1	0.00	56331	99.79					
718	11	0.02	56001	99.20	**776**	2	0.00	56333	99.79					
719	14	0.02	56015	99.23	**778**	1	0.00	56334	99.79					
720	10	0.02	56025	99.24	**780**	3	0.01	56337	99.80					
721	12	0.02	56037	99.26	**782**	13	0.02	56350	99.82					
722	11	0.02	56048	99.28	**783**	4	0.01	56354	99.83					
723	16	0.03	56064	99.31	**791**	16	0.03	56370	99.85					
724	12	0.02	56076	99.33	**793**	2	0.00	56372	99.86					
725	8	0.01	56084	99.35	**797**	2	0.00	56374	99.86					
726	13	0.02	56097	99.37	**799**	1	0.00	56375	99.86					
727	15	0.03	56112	99.40	**802**	7	0.01	56382	99.88					
728	8	0.01	56120	99.41	**803**	2	0.00	56384	99.88					
729	14	0.02	56134	99.44	**804**	4	0.01	56388	99.89					
730	4	0.01	56138	99.44	**805**	2	0.00	56390	99.89					
731	13	0.02	56151	99.47	**806**	2	0.00	56392	99.89					
732	5	0.01	56156	99.48	**809**	2	0.00	56394	99.90					
733	5	0.01	56161	99.48	**813**	8	0.01	56402	99.91					
734	10	0.02	56171	99.50	**815**	19	0.03	56421	99.95					

Table 174. Reading 7 Scale Score Distribution

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

SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %
300	442	0.78	442	0.78	**390**	1	0.00	531	0.94	**440**	13	0.02	825	1.45
302	1	0.00	443	0.78	**391**	2	0.00	533	0.94	**441**	9	0.02	834	1.47
309	1	0.00	444	0.78	**392**	1	0.00	534	0.94	**442**	10	0.02	844	1.49
311	1	0.00	445	0.78	**393**	6	0.01	540	0.95	**443**	7	0.01	851	1.50
313	1	0.00	446	0.79	**394**	4	0.01	544	0.96	**444**	13	0.02	864	1.52
317	1	0.00	447	0.79	**395**	3	0.01	547	0.96	**445**	14	0.02	878	1.55
318	1	0.00	448	0.79	**396**	3	0.01	550	0.97	**446**	10	0.02	888	1.56
324	1	0.00	449	0.79	**397**	6	0.01	556	0.98	**447**	12	0.02	900	1.59
331	3	0.01	452	0.80	**398**	7	0.01	563	0.99	**448**	13	0.02	913	1.61
332	1	0.00	453	0.80	**399**	2	0.00	565	1.00	**449**	11	0.02	924	1.63
334	2	0.00	455	0.80	**400**	1	0.00	566	1.00	**450**	17	0.03	941	1.66
335	2	0.00	457	0.81	**401**	6	0.01	572	1.01	**451**	15	0.03	956	1.68
337	1	0.00	458	0.81	**402**	6	0.01	578	1.02	**452**	22	0.04	978	1.72
338	1	0.00	459	0.81	**403**	9	0.02	587	1.03	**453**	24	0.04	1002	1.77
342	3	0.01	462	0.81	**404**	3	0.01	590	1.04	**454**	19	0.03	1021	1.80
343	2	0.00	464	0.82	**405**	3	0.01	593	1.04	**455**	14	0.02	1035	1.82
345	1	0.00	465	0.82	**406**	6	0.01	599	1.06	**456**	20	0.04	1055	1.86
346	2	0.00	467	0.82	**407**	9	0.02	608	1.07	**457**	13	0.02	1068	1.88
347	1	0.00	468	0.82	**408**	8	0.01	616	1.09	**458**	18	0.03	1086	1.91
349	1	0.00	469	0.83	**409**	3	0.01	619	1.09	**459**	23	0.04	1109	1.95
351	1	0.00	470	0.83	**410**	6	0.01	625	1.10	**460**	24	0.04	1133	2.00
352	1	0.00	471	0.83	**411**	8	0.01	633	1.12	**461**	16	0.03	1149	2.02
353	1	0.00	472	0.83	**412**	1	0.00	634	1.12	**462**	14	0.02	1163	2.05
354	1	0.00	473	0.83	**413**	3	0.01	637	1.12	**463**	29	0.05	1192	2.10
355	1	0.00	474	0.84	**414**	5	0.01	642	1.13	**464**	19	0.03	1211	2.13
359	3	0.01	477	0.84	**415**	5	0.01	647	1.14	**465**	15	0.03	1226	2.16
360	1	0.00	478	0.84	**416**	8	0.01	655	1.15	**466**	22	0.04	1248	2.20
361	3	0.01	481	0.85	**417**	4	0.01	659	1.16	**467**	18	0.03	1266	2.23
363	1	0.00	482	0.85	**418**	2	0.00	661	1.16	**468**	26	0.05	1292	2.28
365	1	0.00	483	0.85	**419**	4	0.01	665	1.17	**469**	20	0.04	1312	2.31
366	2	0.00	485	0.85	**420**	11	0.02	676	1.19	**470**	12	0.02	1324	2.33
368	2	0.00	487	0.86	**421**	6	0.01	682	1.20	**471**	17	0.03	1341	2.36
369	1	0.00	488	0.86	**422**	8	0.01	690	1.22	**472**	15	0.03	1356	2.39
371	1	0.00	489	0.86	**423**	7	0.01	697	1.23	**473**	15	0.03	1371	2.42
372	3	0.01	492	0.87	**424**	6	0.01	703	1.24	**474**	24	0.04	1395	2.46
373	1	0.00	493	0.87	**425**	4	0.01	707	1.25	**475**	32	0.06	1427	2.51
375	3	0.01	496	0.87	**426**	5	0.01	712	1.25	**476**	18	0.03	1445	2.55
376	1	0.00	497	0.88	**427**	7	0.01	719	1.27	**477**	22	0.04	1467	2.58
377	4	0.01	501	0.88	**428**	11	0.02	730	1.29	**478**	21	0.04	1488	2.62
378	3	0.01	504	0.89	**429**	10	0.02	740	1.30	**479**	25	0.04	1513	2.67
379	1	0.00	505	0.89	**430**	12	0.02	752	1.32	**480**	25	0.04	1538	2.71
380	2	0.00	507	0.89	**431**	7	0.01	759	1.34	**481**	18	0.03	1556	2.74
381	3	0.01	510	0.90	**432**	3	0.01	762	1.34	**482**	29	0.05	1585	2.79
382	3	0.01	513	0.90	**433**	3	0.01	765	1.35	**483**	28	0.05	1613	2.84
383	1	0.00	514	0.91	**434**	6	0.01	771	1.36	**484**	34	0.06	1647	2.90
384	5	0.01	519	0.91	**435**	8	0.01	779	1.37	**485**	29	0.05	1676	2.95
385	5	0.01	524	0.92	**436**	9	0.02	788	1.39	**486**	35	0.06	1711	3.01
386	1	0.00	525	0.92	**437**	4	0.01	792	1.40	**487**	40	0.07	1751	3.08
387	2	0.00	527	0.93	**438**	11	0.02	803	1.41	**488**	33	0.06	1784	3.14
388	3	0.01	530	0.93	**439**	9	0.02	812	1.43	**489**	34	0.06	1818	3.20

Table 174. Reading 7 Scale Score Distribution (Continued)

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

SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %
490	26	0.05	1844	3.25	**540**	100	0.18	4586	8.08	**590**	211	0.37	11613	20.46
491	34	0.06	1878	3.31	**541**	74	0.13	4660	8.21	**591**	208	0.37	11821	20.82
492	41	0.07	1919	3.38	**542**	99	0.17	4759	8.38	**592**	212	0.37	12033	21.20
493	47	0.08	1966	3.46	**543**	99	0.17	4858	8.56	**593**	211	0.37	12244	21.57
494	36	0.06	2002	3.53	**544**	74	0.13	4932	8.69	**594**	221	0.39	12465	21.96
495	29	0.05	2031	3.58	**545**	96	0.17	5028	8.86	**595**	233	0.41	12698	22.37
496	51	0.09	2082	3.67	**546**	103	0.18	5131	9.04	**596**	236	0.42	12934	22.79
497	31	0.05	2113	3.72	**547**	96	0.17	5227	9.21	**597**	269	0.47	13203	23.26
498	37	0.07	2150	3.79	**548**	89	0.16	5316	9.36	**598**	267	0.47	13470	23.73
499	50	0.09	2200	3.88	**549**	107	0.19	5423	9.55	**599**	221	0.39	13691	24.12
500	41	0.07	2241	3.95	**550**	97	0.17	5520	9.72	**600**	252	0.44	13943	24.56
501	48	0.08	2289	4.03	**551**	93	0.16	5613	9.89	**601**	252	0.44	14195	25.01
502	44	0.08	2333	4.11	**552**	96	0.17	5709	10.06	**602**	264	0.47	14459	25.47
503	38	0.07	2371	4.18	**553**	100	0.18	5809	10.23	**603**	266	0.47	14725	25.94
504	32	0.06	2403	4.23	**554**	98	0.17	5907	10.41	**604**	249	0.44	14974	26.38
505	43	0.08	2446	4.31	**555**	125	0.22	6032	10.63	**605**	272	0.48	15246	26.86
506	44	0.08	2490	4.39	**556**	116	0.20	6148	10.83	**606**	250	0.44	15496	27.30
507	38	0.07	2528	4.45	**557**	110	0.19	6258	11.02	**607**	306	0.54	15802	27.84
508	36	0.06	2564	4.52	**558**	136	0.24	6394	11.26	**608**	285	0.50	16087	28.34
509	54	0.10	2618	4.61	**559**	125	0.22	6519	11.48	**609**	283	0.50	16370	28.84
510	45	0.08	2663	4.69	**560**	123	0.22	6642	11.70	**610**	264	0.47	16634	29.30
511	46	0.08	2709	4.77	**561**	139	0.24	6781	11.95	**611**	297	0.52	16931	29.83
512	32	0.06	2741	4.83	**562**	109	0.19	6890	12.14	**612**	281	0.50	17212	30.32
513	57	0.10	2798	4.93	**563**	128	0.23	7018	12.36	**613**	289	0.51	17501	30.83
514	48	0.08	2846	5.01	**564**	131	0.23	7149	12.59	**614**	325	0.57	17826	31.40
515	47	0.08	2893	5.10	**565**	138	0.24	7287	12.84	**615**	300	0.53	18126	31.93
516	47	0.08	2940	5.18	**566**	143	0.25	7430	13.09	**616**	328	0.58	18454	32.51
517	53	0.09	2993	5.27	**567**	147	0.26	7577	13.35	**617**	336	0.59	18790	33.10
518	46	0.08	3039	5.35	**568**	145	0.26	7722	13.60	**618**	273	0.48	19063	33.58
519	63	0.11	3102	5.46	**569**	144	0.25	7866	13.86	**619**	356	0.63	19419	34.21
520	55	0.10	3157	5.56	**570**	129	0.23	7995	14.08	**620**	341	0.60	19760	34.81
521	62	0.11	3219	5.67	**571**	162	0.29	8157	14.37	**621**	319	0.56	20079	35.37
522	67	0.12	3286	5.79	**572**	156	0.27	8313	14.64	**622**	302	0.53	20381	35.90
523	60	0.11	3346	5.89	**573**	148	0.26	8461	14.91	**623**	346	0.61	20727	36.51
524	59	0.10	3405	6.00	**574**	148	0.26	8609	15.17	**624**	301	0.53	21028	37.04
525	67	0.12	3472	6.12	**575**	148	0.26	8757	15.43	**625**	317	0.56	21345	37.60
526	60	0.11	3532	6.22	**576**	166	0.29	8923	15.72	**626**	334	0.59	21679	38.19
527	63	0.11	3595	6.33	**577**	183	0.32	9106	16.04	**627**	377	0.66	22056	38.85
528	73	0.13	3668	6.46	**578**	171	0.30	9277	16.34	**628**	344	0.61	22400	39.46
529	60	0.11	3728	6.57	**579**	163	0.29	9440	16.63	**629**	351	0.62	22751	40.08
530	64	0.11	3792	6.68	**580**	195	0.34	9635	16.97	**630**	337	0.59	23088	40.67
531	68	0.12	3860	6.80	**581**	201	0.35	9836	17.33	**631**	359	0.63	23447	41.31
532	87	0.15	3947	6.95	**582**	194	0.34	10030	17.67	**632**	343	0.60	23790	41.91
533	63	0.11	4010	7.06	**583**	183	0.32	10213	17.99	**633**	361	0.64	24151	42.55
534	93	0.16	4103	7.23	**584**	211	0.37	10424	18.36	**634**	381	0.67	24532	43.22
535	65	0.11	4168	7.34	**585**	191	0.34	10615	18.70	**635**	337	0.59	24869	43.81
536	82	0.14	4250	7.49	**586**	202	0.36	10817	19.06	**636**	374	0.66	25243	44.47
537	66	0.12	4316	7.60	**587**	187	0.33	11004	19.39	**637**	379	0.67	25622	45.14
538	89	0.16	4405	7.76	**588**	198	0.35	11202	19.73	**638**	379	0.67	26001	45.80
539	81	0.14	4486	7.90	**589**	200	0.35	11402	20.09	**639**	397	0.70	26398	46.50

Table 174. Reading 7 Scale Score Distribution (Continued)

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

SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %
640	376	0.66	26774	47.17	**687**	318	0.56	44369	78.16	**734**	107	0.19	54596	96.18
641	404	0.71	27178	47.88	**688**	310	0.55	44679	78.71	**735**	77	0.14	54673	96.31
642	351	0.62	27529	48.50	**689**	326	0.57	45005	79.28	**736**	102	0.18	54775	96.49
643	390	0.69	27919	49.18	**690**	318	0.56	45323	79.84	**737**	92	0.16	54867	96.66
644	396	0.70	28315	49.88	**691**	330	0.58	45653	80.42	**738**	87	0.15	54954	96.81
645	405	0.71	28720	50.59	**692**	312	0.55	45965	80.97	**739**	94	0.17	55048	96.98
646	362	0.64	29082	51.23	**693**	310	0.55	46275	81.52	**740**	96	0.17	55144	97.14
647	374	0.66	29456	51.89	**694**	322	0.57	46597	82.09	**741**	88	0.16	55232	97.30
648	360	0.63	29816	52.53	**695**	261	0.46	46858	82.55	**742**	68	0.12	55300	97.42
649	392	0.69	30208	53.22	**696**	302	0.53	47160	83.08	**743**	57	0.10	55357	97.52
650	400	0.70	30608	53.92	**697**	301	0.53	47461	83.61	**744**	66	0.12	55423	97.64
651	412	0.73	31020	54.65	**698**	287	0.51	47748	84.12	**745**	53	0.09	55476	97.73
652	383	0.67	31403	55.32	**699**	314	0.55	48062	84.67	**746**	55	0.10	55531	97.83
653	418	0.74	31821	56.06	**700**	271	0.48	48333	85.15	**747**	59	0.10	55590	97.93
654	384	0.68	32205	56.73	**701**	283	0.50	48616	85.64	**748**	55	0.10	55645	98.03
655	359	0.63	32564	57.37	**702**	252	0.44	48868	86.09	**749**	70	0.12	55715	98.15
656	384	0.68	32948	58.04	**703**	253	0.45	49121	86.53	**750**	37	0.07	55752	98.22
657	425	0.75	33373	58.79	**704**	263	0.46	49384	87.00	**751**	63	0.11	55815	98.33
658	361	0.64	33734	59.43	**705**	254	0.45	49638	87.44	**752**	46	0.08	55861	98.41
659	420	0.74	34154	60.17	**706**	234	0.41	49872	87.86	**753**	42	0.07	55903	98.48
660	368	0.65	34522	60.82	**707**	258	0.45	50130	88.31	**754**	57	0.10	55960	98.58
661	360	0.63	34882	61.45	**708**	243	0.43	50373	88.74	**755**	40	0.07	56000	98.65
662	404	0.71	35286	62.16	**709**	245	0.43	50618	89.17	**756**	43	0.08	56043	98.73
663	373	0.66	35659	62.82	**710**	219	0.39	50837	89.56	**757**	30	0.05	56073	98.78
664	334	0.59	35993	63.41	**711**	202	0.36	51039	89.91	**758**	32	0.06	56105	98.84
665	404	0.71	36397	64.12	**712**	203	0.36	51242	90.27	**759**	33	0.06	56138	98.90
666	401	0.71	36798	64.83	**713**	235	0.41	51477	90.68	**760**	34	0.06	56172	98.96
667	335	0.59	37133	65.42	**714**	214	0.38	51691	91.06	**761**	31	0.05	56203	99.01
668	356	0.63	37489	66.04	**715**	197	0.35	51888	91.41	**762**	24	0.04	56227	99.05
669	386	0.68	37875	66.72	**716**	166	0.29	52054	91.70	**763**	23	0.04	56250	99.09
670	396	0.70	38271	67.42	**717**	191	0.34	52245	92.04	**764**	23	0.04	56273	99.13
671	368	0.65	38639	68.07	**718**	176	0.31	52421	92.35	**765**	22	0.04	56295	99.17
672	378	0.67	39017	68.73	**719**	203	0.36	52624	92.71	**766**	21	0.04	56316	99.21
673	374	0.66	39391	69.39	**720**	156	0.27	52780	92.98	**767**	21	0.04	56337	99.25
674	370	0.65	39761	70.04	**721**	168	0.30	52948	93.28	**768**	25	0.04	56362	99.29
675	363	0.64	40124	70.68	**722**	152	0.27	53100	93.54	**769**	21	0.04	56383	99.33
676	373	0.66	40497	71.34	**723**	156	0.27	53256	93.82	**770**	10	0.02	56393	99.34
677	395	0.70	40892	72.04	**724**	131	0.23	53387	94.05	**771**	17	0.03	56410	99.37
678	362	0.64	41254	72.68	**725**	145	0.26	53532	94.30	**772**	16	0.03	56426	99.40
679	347	0.61	41601	73.29	**726**	141	0.25	53673	94.55	**773**	21	0.04	56447	99.44
680	368	0.65	41969	73.93	**727**	118	0.21	53791	94.76	**774**	22	0.04	56469	99.48
681	352	0.62	42321	74.55	**728**	123	0.22	53914	94.98	**775**	16	0.03	56485	99.51
682	341	0.60	42662	75.16	**729**	130	0.23	54044	95.21	**776**	13	0.02	56498	99.53
683	353	0.62	43015	75.78	**730**	126	0.22	54170	95.43	**777**	20	0.04	56518	99.56
684	347	0.61	43362	76.39	**731**	112	0.20	54282	95.63	**778**	11	0.02	56529	99.58
685	358	0.63	43720	77.02	**732**	112	0.20	54394	95.82	**779**	13	0.02	56542	99.61
686	331	0.58	44051	77.60	**733**	95	0.17	54489	95.99	**780**	13	0.02	56555	99.63

Table 174. Reading 7 Scale Score Distribution (Concluded)

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

SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %
781	12	0.02	56567	99.65	**846**	1	0.00	56758	99.99
782	5	0.01	56572	99.66	**855**	1	0.00	56759	99.99
783	8	0.01	56580	99.67	**867**	1	0.00	56760	99.99
784	10	0.02	56590	99.69	**870**	1	0.00	56761	99.99
785	9	0.02	56599	99.71	**874**	1	0.00	56762	99.99
786	8	0.01	56607	99.72	**885**	2	0.00	56764	100.00
787	7	0.01	56614	99.73	**897**	1	0.00	56765	100.00
788	8	0.01	56622	99.75					
789	9	0.02	56631	99.76					
790	4	0.01	56635	99.77					
791	3	0.01	56638	99.78					
792	2	0.00	56640	99.78					
793	11	0.02	56651	99.80					
794	7	0.01	56658	99.81					
795	7	0.01	56665	99.82					
796	1	0.00	56666	99.83					
797	4	0.01	56670	99.83					
799	4	0.01	56674	99.84					
800	4	0.01	56678	99.85					
801	5	0.01	56683	99.86					
802	5	0.01	56688	99.86					
803	5	0.01	56693	99.87					
804	6	0.01	56699	99.88					
805	4	0.01	56703	99.89					
806	4	0.01	56707	99.90					
807	2	0.00	56709	99.90					
808	4	0.01	56713	99.91					
809	2	0.00	56715	99.91					
810	2	0.00	56717	99.92					
811	1	0.00	56718	99.92					
812	4	0.01	56722	99.92					
813	3	0.01	56725	99.93					
814	3	0.01	56728	99.93					
815	1	0.00	56729	99.94					
816	2	0.00	56731	99.94					
817	2	0.00	56733	99.94					
818	3	0.01	56736	99.95					
820	1	0.00	56737	99.95					
821	3	0.01	56740	99.96					
822	2	0.00	56742	99.96					
823	1	0.00	56743	99.96					
825	2	0.00	56745	99.96					
827	1	0.00	56746	99.97					
828	1	0.00	56747	99.97					
830	2	0.00	56749	99.97					
831	2	0.00	56751	99.98					
833	1	0.00	56752	99.98					
834	1	0.00	56753	99.98					
835	2	0.00	56755	99.98					
844	2	0.00	56757	99.99					

Table 175. Writing 7 Scale Score Distribution

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

SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %
240	26	0.05	26	0.05	**325**	4	0.01	111	0.20	**375**	8	0.01	416	0.73
242	1	0.00	27	0.05	**326**	3	0.01	114	0.20	**376**	17	0.03	433	0.76
246	1	0.00	28	0.05	**327**	4	0.01	118	0.21	**377**	7	0.01	440	0.78
249	1	0.00	29	0.05	**328**	4	0.01	122	0.21	**378**	12	0.02	452	0.80
250	2	0.00	31	0.05	**329**	5	0.01	127	0.22	**379**	16	0.03	468	0.82
251	3	0.01	34	0.06	**330**	1	0.00	128	0.23	**380**	16	0.03	484	0.85
256	1	0.00	35	0.06	**331**	2	0.00	130	0.23	**381**	13	0.02	497	0.88
257	3	0.01	38	0.07	**332**	2	0.00	132	0.23	**382**	18	0.03	515	0.91
258	1	0.00	39	0.07	**333**	5	0.01	137	0.24	**383**	21	0.04	536	0.94
259	1	0.00	40	0.07	**334**	3	0.01	140	0.25	**384**	10	0.02	546	0.96
260	1	0.00	41	0.07	**335**	3	0.01	143	0.25	**385**	12	0.02	558	0.98
264	1	0.00	42	0.07	**336**	6	0.01	149	0.26	**386**	17	0.03	575	1.01
265	1	0.00	43	0.08	**337**	6	0.01	155	0.27	**387**	21	0.04	596	1.05
269	1	0.00	44	0.08	**338**	2	0.00	157	0.28	**388**	19	0.03	615	1.08
272	1	0.00	45	0.08	**339**	1	0.00	158	0.28	**389**	12	0.02	627	1.10
276	2	0.00	47	0.08	**340**	5	0.01	163	0.29	**390**	15	0.03	642	1.13
277	1	0.00	48	0.08	**341**	3	0.01	166	0.29	**391**	22	0.04	664	1.17
280	1	0.00	49	0.09	**342**	3	0.01	169	0.30	**392**	14	0.02	678	1.19
281	1	0.00	50	0.09	**343**	4	0.01	173	0.30	**393**	21	0.04	699	1.23
283	1	0.00	51	0.09	**344**	2	0.00	175	0.31	**394**	15	0.03	714	1.26
284	2	0.00	53	0.09	**345**	6	0.01	181	0.32	**395**	29	0.05	743	1.31
285	2	0.00	55	0.10	**346**	6	0.01	187	0.33	**396**	21	0.04	764	1.35
287	1	0.00	56	0.10	**347**	2	0.00	189	0.33	**397**	16	0.03	780	1.37
289	1	0.00	57	0.10	**348**	7	0.01	196	0.35	**398**	20	0.04	800	1.41
291	1	0.00	58	0.10	**349**	4	0.01	200	0.35	**399**	25	0.04	825	1.45
292	1	0.00	59	0.10	**350**	8	0.01	208	0.37	**400**	29	0.05	854	1.50
293	1	0.00	60	0.11	**351**	3	0.01	211	0.37	**401**	26	0.05	880	1.55
294	1	0.00	61	0.11	**352**	11	0.02	222	0.39	**402**	15	0.03	895	1.58
295	1	0.00	62	0.11	**353**	6	0.01	228	0.40	**403**	28	0.05	923	1.63
296	1	0.00	63	0.11	**354**	6	0.01	234	0.41	**404**	24	0.04	947	1.67
297	3	0.01	66	0.12	**355**	5	0.01	239	0.42	**405**	23	0.04	970	1.71
299	1	0.00	67	0.12	**356**	11	0.02	250	0.44	**406**	33	0.06	1003	1.77
301	2	0.00	69	0.12	**357**	7	0.01	257	0.45	**407**	38	0.07	1041	1.83
303	1	0.00	70	0.12	**358**	3	0.01	260	0.46	**408**	27	0.05	1068	1.88
305	1	0.00	71	0.13	**359**	9	0.02	269	0.47	**409**	24	0.04	1092	1.92
306	1	0.00	72	0.13	**360**	6	0.01	275	0.48	**410**	34	0.06	1126	1.98
309	3	0.01	75	0.13	**361**	6	0.01	281	0.49	**411**	36	0.06	1162	2.05
310	2	0.00	77	0.14	**362**	5	0.01	286	0.50	**412**	36	0.06	1198	2.11
311	2	0.00	79	0.14	**363**	7	0.01	293	0.52	**413**	32	0.06	1230	2.17
312	2	0.00	81	0.14	**364**	8	0.01	301	0.53	**414**	37	0.07	1267	2.23
313	3	0.01	84	0.15	**365**	6	0.01	307	0.54	**415**	37	0.07	1304	2.30
314	1	0.00	85	0.15	**366**	9	0.02	316	0.56	**416**	43	0.08	1347	2.37
315	3	0.01	88	0.16	**367**	12	0.02	328	0.58	**417**	41	0.07	1388	2.44
316	1	0.00	89	0.16	**368**	7	0.01	335	0.59	**418**	32	0.06	1420	2.50
317	2	0.00	91	0.16	**369**	9	0.02	344	0.61	**419**	59	0.10	1479	2.61
319	5	0.01	96	0.17	**370**	8	0.01	352	0.62	**420**	40	0.07	1519	2.68
321	2	0.00	98	0.17	**371**	10	0.02	362	0.64	**421**	59	0.10	1578	2.78
322	4	0.01	102	0.18	**372**	22	0.04	384	0.68	**422**	40	0.07	1618	2.85
323	4	0.01	106	0.19	**373**	14	0.02	398	0.70	**423**	48	0.08	1666	2.93
324	1	0.00	107	0.19	**374**	10	0.02	408	0.72	**424**	52	0.09	1718	3.03

Table 175. Writing 7 Scale Score Distribution (Continued)

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

SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %
425	56	0.10	1774	3.12	**475**	145	0.26	6794	11.97	**525**	262	0.46	18307	32.25
426	64	0.11	1838	3.24	**476**	156	0.27	6950	12.24	**526**	301	0.53	18608	32.78
427	54	0.10	1892	3.33	**477**	167	0.29	7117	12.54	**527**	331	0.58	18939	33.36
428	40	0.07	1932	3.40	**478**	176	0.31	7293	12.85	**528**	309	0.54	19248	33.91
429	53	0.09	1985	3.50	**479**	144	0.25	7437	13.10	**529**	322	0.57	19570	34.47
430	63	0.11	2048	3.61	**480**	140	0.25	7577	13.35	**530**	313	0.55	19883	35.02
431	59	0.10	2107	3.71	**481**	174	0.31	7751	13.65	**531**	314	0.55	20197	35.58
432	72	0.13	2179	3.84	**482**	188	0.33	7939	13.98	**532**	312	0.55	20509	36.13
433	69	0.12	2248	3.96	**483**	197	0.35	8136	14.33	**533**	297	0.52	20806	36.65
434	70	0.12	2318	4.08	**484**	165	0.29	8301	14.62	**534**	293	0.52	21099	37.17
435	57	0.10	2375	4.18	**485**	210	0.37	8511	14.99	**535**	324	0.57	21423	37.74
436	62	0.11	2437	4.29	**486**	162	0.29	8673	15.28	**536**	339	0.60	21762	38.33
437	77	0.14	2514	4.43	**487**	200	0.35	8873	15.63	**537**	303	0.53	22065	38.87
438	72	0.13	2586	4.56	**488**	172	0.30	9045	15.93	**538**	296	0.52	22361	39.39
439	87	0.15	2673	4.71	**489**	201	0.35	9246	16.29	**539**	334	0.59	22695	39.98
440	80	0.14	2753	4.85	**490**	178	0.31	9424	16.60	**540**	301	0.53	22996	40.51
441	77	0.14	2830	4.99	**491**	217	0.38	9641	16.98	**541**	334	0.59	23330	41.10
442	70	0.12	2900	5.11	**492**	187	0.33	9828	17.31	**542**	344	0.61	23674	41.70
443	81	0.14	2981	5.25	**493**	237	0.42	10065	17.73	**543**	338	0.60	24012	42.30
444	100	0.18	3081	5.43	**494**	215	0.38	10280	18.11	**544**	315	0.55	24327	42.85
445	77	0.14	3158	5.56	**495**	193	0.34	10473	18.45	**545**	312	0.55	24639	43.40
446	92	0.16	3250	5.72	**496**	228	0.40	10701	18.85	**546**	328	0.58	24967	43.98
447	100	0.18	3350	5.90	**497**	239	0.42	10940	19.27	**547**	344	0.61	25311	44.59
448	98	0.17	3448	6.07	**498**	210	0.37	11150	19.64	**548**	338	0.60	25649	45.18
449	112	0.20	3560	6.27	**499**	225	0.40	11375	20.04	**549**	320	0.56	25969	45.75
450	75	0.13	3635	6.40	**500**	212	0.37	11587	20.41	**550**	337	0.59	26306	46.34
451	106	0.19	3741	6.59	**501**	246	0.43	11833	20.84	**551**	333	0.59	26639	46.93
452	121	0.21	3862	6.80	**502**	221	0.39	12054	21.23	**552**	376	0.66	27015	47.59
453	106	0.19	3968	6.99	**503**	250	0.44	12304	21.67	**553**	340	0.60	27355	48.19
454	91	0.16	4059	7.15	**504**	259	0.46	12563	22.13	**554**	347	0.61	27702	48.80
455	126	0.22	4185	7.37	**505**	254	0.45	12817	22.58	**555**	352	0.62	28054	49.42
456	116	0.20	4301	7.58	**506**	257	0.45	13074	23.03	**556**	354	0.62	28408	50.04
457	131	0.23	4432	7.81	**507**	253	0.45	13327	23.48	**557**	329	0.58	28737	50.62
458	132	0.23	4564	8.04	**508**	252	0.44	13579	23.92	**558**	321	0.57	29058	51.19
459	109	0.19	4673	8.23	**509**	242	0.43	13821	24.35	**559**	321	0.57	29379	51.75
460	135	0.24	4808	8.47	**510**	260	0.46	14081	24.80	**560**	333	0.59	29712	52.34
461	115	0.20	4923	8.67	**511**	253	0.45	14334	25.25	**561**	340	0.60	30052	52.94
462	127	0.22	5050	8.90	**512**	257	0.45	14591	25.70	**562**	363	0.64	30415	53.58
463	104	0.18	5154	9.08	**513**	275	0.48	14866	26.19	**563**	344	0.61	30759	54.18
464	123	0.22	5277	9.30	**514**	263	0.46	15129	26.65	**564**	366	0.64	31125	54.83
465	120	0.21	5397	9.51	**515**	270	0.48	15399	27.13	**565**	328	0.58	31453	55.41
466	124	0.22	5521	9.73	**516**	298	0.52	15697	27.65	**566**	346	0.61	31799	56.01
467	147	0.26	5668	9.98	**517**	282	0.50	15979	28.15	**567**	322	0.57	32121	56.58
468	130	0.23	5798	10.21	**518**	273	0.48	16252	28.63	**568**	363	0.64	32484	57.22
469	130	0.23	5928	10.44	**519**	301	0.53	16553	29.16	**569**	367	0.65	32851	57.87
470	142	0.25	6070	10.69	**520**	284	0.50	16837	29.66	**570**	346	0.61	33197	58.48
471	113	0.20	6183	10.89	**521**	316	0.56	17153	30.22	**571**	323	0.57	33520	59.05
472	154	0.27	6337	11.16	**522**	297	0.52	17450	30.74	**572**	318	0.56	33838	59.61
473	160	0.28	6497	11.44	**523**	297	0.52	17747	31.26	**573**	320	0.56	34158	60.17
474	152	0.27	6649	11.71	**524**	298	0.52	18045	31.79	**574**	337	0.59	34495	60.76

Table 175. Writing 7 Scale Score Distribution (Continued)

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

SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %
575	358	0.63	34853	61.39	**622**	228	0.40	47306	83.33	**669**	79	0.14	53779	94.73
576	320	0.56	35173	61.96	**623**	179	0.32	47485	83.65	**670**	73	0.13	53852	94.86
577	308	0.54	35481	62.50	**624**	188	0.33	47673	83.98	**671**	79	0.14	53931	95.00
578	324	0.57	35805	63.07	**625**	205	0.36	47878	84.34	**672**	75	0.13	54006	95.13
579	319	0.56	36124	63.63	**626**	186	0.33	48064	84.67	**673**	57	0.10	54063	95.23
580	336	0.59	36460	64.23	**627**	183	0.32	48247	84.99	**674**	76	0.13	54139	95.37
581	320	0.56	36780	64.79	**628**	183	0.32	48430	85.31	**675**	78	0.14	54217	95.50
582	345	0.61	37125	65.40	**629**	177	0.31	48607	85.62	**676**	76	0.13	54293	95.64
583	295	0.52	37420	65.92	**630**	184	0.32	48791	85.95	**677**	66	0.12	54359	95.75
584	311	0.55	37731	66.46	**631**	183	0.32	48974	86.27	**678**	68	0.12	54427	95.87
585	342	0.60	38073	67.07	**632**	171	0.30	49145	86.57	**679**	54	0.10	54481	95.97
586	306	0.54	38379	67.61	**633**	168	0.30	49313	86.87	**680**	86	0.15	54567	96.12
587	275	0.48	38654	68.09	**634**	161	0.28	49474	87.15	**681**	56	0.10	54623	96.22
588	289	0.51	38943	68.60	**635**	191	0.34	49665	87.49	**682**	52	0.09	54675	96.31
589	318	0.56	39261	69.16	**636**	154	0.27	49819	87.76	**683**	56	0.10	54731	96.41
590	269	0.47	39530	69.63	**637**	183	0.32	50002	88.08	**684**	52	0.09	54783	96.50
591	274	0.48	39804	70.12	**638**	166	0.29	50168	88.37	**685**	58	0.10	54841	96.60
592	288	0.51	40092	70.62	**639**	157	0.28	50325	88.65	**686**	51	0.09	54892	96.69
593	270	0.48	40362	71.10	**640**	174	0.31	50499	88.96	**687**	43	0.08	54935	96.77
594	248	0.44	40610	71.54	**641**	158	0.28	50657	89.23	**688**	44	0.08	54979	96.85
595	277	0.49	40887	72.02	**642**	149	0.26	50806	89.50	**689**	63	0.11	55042	96.96
596	262	0.46	41149	72.48	**643**	138	0.24	50944	89.74	**690**	50	0.09	55092	97.05
597	282	0.50	41431	72.98	**644**	147	0.26	51091	90.00	**691**	30	0.05	55122	97.10
598	257	0.45	41688	73.43	**645**	153	0.27	51244	90.27	**692**	47	0.08	55169	97.18
599	260	0.46	41948	73.89	**646**	153	0.27	51397	90.54	**693**	49	0.09	55218	97.27
600	257	0.45	42205	74.35	**647**	124	0.22	51521	90.76	**694**	57	0.10	55275	97.37
601	263	0.46	42468	74.81	**648**	121	0.21	51642	90.97	**695**	44	0.08	55319	97.45
602	245	0.43	42713	75.24	**649**	111	0.20	51753	91.16	**696**	29	0.05	55348	97.50
603	231	0.41	42944	75.65	**650**	137	0.24	51890	91.41	**697**	49	0.09	55397	97.58
604	254	0.45	43198	76.09	**651**	122	0.21	52012	91.62	**698**	53	0.09	55450	97.68
605	230	0.41	43428	76.50	**652**	116	0.20	52128	91.82	**699**	40	0.07	55490	97.75
606	244	0.43	43672	76.93	**653**	122	0.21	52250	92.04	**700**	48	0.08	55538	97.83
607	248	0.44	43920	77.37	**654**	120	0.21	52370	92.25	**701**	26	0.05	55564	97.88
608	240	0.42	44160	77.79	**655**	112	0.20	52482	92.45	**702**	33	0.06	55597	97.94
609	233	0.41	44393	78.20	**656**	101	0.18	52583	92.63	**703**	34	0.06	55631	98.00
610	258	0.45	44651	78.65	**657**	97	0.17	52680	92.80	**704**	26	0.05	55657	98.04
611	241	0.42	44892	79.08	**658**	114	0.20	52794	93.00	**705**	30	0.05	55687	98.09
612	229	0.40	45121	79.48	**659**	101	0.18	52895	93.18	**706**	33	0.06	55720	98.15
613	221	0.39	45342	79.87	**660**	134	0.24	53029	93.41	**707**	27	0.05	55747	98.20
614	240	0.42	45582	80.29	**661**	64	0.11	53093	93.52	**708**	34	0.06	55781	98.26
615	229	0.40	45811	80.70	**662**	92	0.16	53185	93.69	**709**	40	0.07	55821	98.33
616	248	0.44	46059	81.13	**663**	82	0.14	53267	93.83	**710**	20	0.04	55841	98.37
617	217	0.38	46276	81.52	**664**	100	0.18	53367	94.01	**711**	33	0.06	55874	98.42
618	218	0.38	46494	81.90	**665**	81	0.14	53448	94.15	**712**	17	0.03	55891	98.45
619	200	0.35	46694	82.25	**666**	91	0.16	53539	94.31	**713**	19	0.03	55910	98.49
620	202	0.36	46896	82.61	**667**	77	0.14	53616	94.45	**714**	27	0.05	55937	98.53
621	182	0.32	47078	82.93	**668**	84	0.15	53700	94.59	**715**	22	0.04	55959	98.57

Table 175. Writing 7 Scale Score Distribution (Concluded)

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

SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %
716	14	0.02	55973	98.60	**766**	4	0.01	56540	99.60	**820**	1	0.00	56697	99.87
717	22	0.04	55995	98.64	**767**	5	0.01	56545	99.61	**821**	4	0.01	56701	99.88
718	32	0.06	56027	98.69	**768**	2	0.00	56547	99.61	**826**	2	0.00	56703	99.88
719	16	0.03	56043	98.72	**769**	6	0.01	56553	99.62	**828**	1	0.00	56704	99.89
720	14	0.02	56057	98.75	**770**	7	0.01	56560	99.63	**830**	5	0.01	56709	99.89
721	12	0.02	56069	98.77	**771**	6	0.01	56566	99.64	**831**	5	0.01	56714	99.90
722	23	0.04	56092	98.81	**772**	2	0.00	56568	99.65	**833**	1	0.00	56715	99.90
723	25	0.04	56117	98.85	**773**	3	0.01	56571	99.65	**839**	3	0.01	56718	99.91
724	15	0.03	56132	98.88	**774**	3	0.01	56574	99.66	**840**	3	0.01	56721	99.92
725	10	0.02	56142	98.90	**775**	2	0.00	56576	99.66	**844**	1	0.00	56722	99.92
726	19	0.03	56161	98.93	**776**	2	0.00	56578	99.66	**849**	1	0.00	56723	99.92
727	15	0.03	56176	98.96	**777**	5	0.01	56583	99.67	**850**	1	0.00	56724	99.92
728	15	0.03	56191	98.98	**778**	6	0.01	56589	99.68	**851**	2	0.00	56726	99.92
729	15	0.03	56206	99.01	**779**	4	0.01	56593	99.69	**857**	1	0.00	56727	99.93
730	21	0.04	56227	99.05	**780**	6	0.01	56599	99.70	**859**	1	0.00	56728	99.93
731	7	0.01	56234	99.06	**781**	4	0.01	56603	99.71	**864**	5	0.01	56733	99.94
732	9	0.02	56243	99.07	**782**	1	0.00	56604	99.71	**871**	4	0.01	56737	99.94
733	7	0.01	56250	99.09	**783**	16	0.03	56620	99.74	**874**	1	0.00	56738	99.95
734	11	0.02	56261	99.11	**784**	2	0.00	56622	99.74	**876**	2	0.00	56740	99.95
735	14	0.02	56275	99.13	**785**	3	0.01	56625	99.75	**886**	2	0.00	56742	99.95
736	18	0.03	56293	99.16	**786**	3	0.01	56628	99.75	**890**	27	0.05	56769	100.00
737	10	0.02	56303	99.18	**787**	5	0.01	56633	99.76					
738	18	0.03	56321	99.21	**788**	1	0.00	56634	99.76					
739	8	0.01	56329	99.22	**789**	1	0.00	56635	99.76					
740	12	0.02	56341	99.25	**790**	2	0.00	56637	99.77					
741	15	0.03	56356	99.27	**791**	3	0.01	56640	99.77					
742	8	0.01	56364	99.29	**792**	4	0.01	56644	99.78					
743	11	0.02	56375	99.31	**793**	6	0.01	56650	99.79					
744	11	0.02	56386	99.33	**794**	1	0.00	56651	99.79					
745	5	0.01	56391	99.33	**795**	2	0.00	56653	99.80					
746	8	0.01	56399	99.35	**796**	2	0.00	56655	99.80					
747	4	0.01	56403	99.36	**797**	1	0.00	56656	99.80					
748	12	0.02	56415	99.38	**798**	4	0.01	56660	99.81					
749	8	0.01	56423	99.39	**799**	1	0.00	56661	99.81					
750	4	0.01	56427	99.40	**800**	1	0.00	56662	99.81					
751	4	0.01	56431	99.40	**801**	1	0.00	56663	99.81					
752	8	0.01	56439	99.42	**802**	1	0.00	56664	99.82					
753	7	0.01	56446	99.43	**803**	3	0.01	56667	99.82					
754	5	0.01	56451	99.44	**804**	2	0.00	56669	99.82					
755	12	0.02	56463	99.46	**805**	4	0.01	56673	99.83					
756	4	0.01	56467	99.47	**807**	1	0.00	56674	99.83					
757	4	0.01	56471	99.48	**808**	3	0.01	56677	99.84					
758	11	0.02	56482	99.49	**809**	3	0.01	56680	99.84					
759	15	0.03	56497	99.52	**810**	3	0.01	56683	99.85					
760	3	0.01	56500	99.53	**811**	1	0.00	56684	99.85					
761	8	0.01	56508	99.54	**812**	4	0.01	56688	99.86					
762	9	0.02	56517	99.56	**813**	1	0.00	56689	99.86					
763	6	0.01	56523	99.57	**814**	2	0.00	56691	99.86					
764	5	0.01	56528	99.58	**816**	2	0.00	56693	99.87					
765	8	0.01	56536	99.59	**818**	3	0.01	56696	99.87					

Table 176. Mathematics 7 Scale Score Distribution

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

SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %
280	218	0.38	218	0.38	**331**	7	0.01	392	0.69	**381**	11	0.02	881	1.55
281	3	0.01	221	0.39	**332**	7	0.01	399	0.70	**382**	16	0.03	897	1.58
282	2	0.00	223	0.39	**333**	13	0.02	412	0.72	**383**	21	0.04	918	1.61
283	4	0.01	227	0.40	**334**	4	0.01	416	0.73	**384**	16	0.03	934	1.64
284	4	0.01	231	0.41	**335**	8	0.01	424	0.75	**385**	16	0.03	950	1.67
285	2	0.00	233	0.41	**336**	5	0.01	429	0.75	**386**	12	0.02	962	1.69
286	2	0.00	235	0.41	**337**	11	0.02	440	0.77	**387**	19	0.03	981	1.73
287	1	0.00	236	0.42	**338**	15	0.03	455	0.80	**388**	17	0.03	998	1.76
288	4	0.01	240	0.42	**339**	7	0.01	462	0.81	**389**	25	0.04	1023	1.80
289	4	0.01	244	0.43	**340**	5	0.01	467	0.82	**390**	18	0.03	1041	1.83
291	1	0.00	245	0.43	**341**	8	0.01	475	0.84	**391**	15	0.03	1056	1.86
292	2	0.00	247	0.43	**342**	7	0.01	482	0.85	**392**	21	0.04	1077	1.89
293	3	0.01	250	0.44	**343**	9	0.02	491	0.86	**393**	21	0.04	1098	1.93
294	4	0.01	254	0.45	**344**	12	0.02	503	0.88	**394**	22	0.04	1120	1.97
295	4	0.01	258	0.45	**345**	4	0.01	507	0.89	**395**	24	0.04	1144	2.01
296	5	0.01	263	0.46	**346**	5	0.01	512	0.90	**396**	17	0.03	1161	2.04
297	4	0.01	267	0.47	**347**	10	0.02	522	0.92	**397**	26	0.05	1187	2.09
298	3	0.01	270	0.47	**348**	3	0.01	525	0.92	**398**	28	0.05	1215	2.14
299	1	0.00	271	0.48	**349**	12	0.02	537	0.94	**399**	24	0.04	1239	2.18
300	2	0.00	273	0.48	**350**	4	0.01	541	0.95	**400**	26	0.05	1265	2.23
301	2	0.00	275	0.48	**351**	7	0.01	548	0.96	**401**	29	0.05	1294	2.28
302	4	0.01	279	0.49	**352**	7	0.01	555	0.98	**402**	30	0.05	1324	2.33
303	4	0.01	283	0.50	**353**	6	0.01	561	0.99	**403**	24	0.04	1348	2.37
304	4	0.01	287	0.50	**354**	8	0.01	569	1.00	**404**	26	0.05	1374	2.42
305	6	0.01	293	0.52	**355**	11	0.02	580	1.02	**405**	34	0.06	1408	2.48
306	1	0.00	294	0.52	**356**	6	0.01	586	1.03	**406**	33	0.06	1441	2.53
307	5	0.01	299	0.53	**357**	5	0.01	591	1.04	**407**	29	0.05	1470	2.59
308	2	0.00	301	0.53	**358**	8	0.01	599	1.05	**408**	32	0.06	1502	2.64
309	1	0.00	302	0.53	**359**	10	0.02	609	1.07	**409**	28	0.05	1530	2.69
310	3	0.01	305	0.54	**360**	13	0.02	622	1.09	**410**	31	0.05	1561	2.75
311	1	0.00	306	0.54	**361**	13	0.02	635	1.12	**411**	25	0.04	1586	2.79
312	3	0.01	309	0.54	**362**	7	0.01	642	1.13	**412**	22	0.04	1608	2.83
313	4	0.01	313	0.55	**363**	9	0.02	651	1.15	**413**	40	0.07	1648	2.90
314	4	0.01	317	0.56	**364**	10	0.02	661	1.16	**414**	22	0.04	1670	2.94
315	3	0.01	320	0.56	**365**	10	0.02	671	1.18	**415**	26	0.05	1696	2.98
316	6	0.01	326	0.57	**366**	14	0.02	685	1.20	**416**	48	0.08	1744	3.07
317	5	0.01	331	0.58	**367**	14	0.02	699	1.23	**417**	37	0.07	1781	3.13
318	3	0.01	334	0.59	**368**	14	0.02	713	1.25	**418**	36	0.06	1817	3.20
319	3	0.01	337	0.59	**369**	10	0.02	723	1.27	**419**	42	0.07	1859	3.27
320	6	0.01	343	0.60	**370**	14	0.02	737	1.30	**420**	39	0.07	1898	3.34
321	4	0.01	347	0.61	**371**	10	0.02	747	1.31	**421**	38	0.07	1936	3.41
322	4	0.01	351	0.62	**372**	13	0.02	760	1.34	**422**	44	0.08	1980	3.48
323	2	0.00	353	0.62	**373**	16	0.03	776	1.37	**423**	40	0.07	2020	3.55
324	6	0.01	359	0.63	**374**	12	0.02	788	1.39	**424**	40	0.07	2060	3.62
325	3	0.01	362	0.64	**375**	15	0.03	803	1.41	**425**	50	0.09	2110	3.71
326	4	0.01	366	0.64	**376**	11	0.02	814	1.43	**426**	41	0.07	2151	3.78
327	3	0.01	369	0.65	**377**	11	0.02	825	1.45	**427**	60	0.11	2211	3.89
328	2	0.00	371	0.65	**378**	13	0.02	838	1.47	**428**	57	0.10	2268	3.99
329	9	0.02	380	0.67	**379**	13	0.02	851	1.50	**429**	53	0.09	2321	4.08
330	5	0.01	385	0.68	**380**	19	0.03	870	1.53	**430**	50	0.09	2371	4.17

Table 176. Mathematics 7 Scale Score Distribution (Continued)

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

SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %
431	46	0.08	2417	4.25	**481**	170	0.30	7360	12.95	**531**	295	0.52	19232	33.83
432	63	0.11	2480	4.36	**482**	152	0.27	7512	13.21	**532**	292	0.51	19524	34.34
433	57	0.10	2537	4.46	**483**	164	0.29	7676	13.50	**533**	299	0.53	19823	34.87
434	45	0.08	2582	4.54	**484**	153	0.27	7829	13.77	**534**	309	0.54	20132	35.41
435	52	0.09	2634	4.63	**485**	171	0.30	8000	14.07	**535**	316	0.56	20448	35.97
436	61	0.11	2695	4.74	**486**	168	0.30	8168	14.37	**536**	337	0.59	20785	36.56
437	76	0.13	2771	4.87	**487**	171	0.30	8339	14.67	**537**	281	0.49	21066	37.06
438	63	0.11	2834	4.99	**488**	199	0.35	8538	15.02	**538**	302	0.53	21368	37.59
439	68	0.12	2902	5.10	**489**	165	0.29	8703	15.31	**539**	360	0.63	21728	38.22
440	74	0.13	2976	5.24	**490**	201	0.35	8904	15.66	**540**	303	0.53	22031	38.75
441	62	0.11	3038	5.34	**491**	206	0.36	9110	16.03	**541**	326	0.57	22357	39.33
442	63	0.11	3101	5.45	**492**	188	0.33	9298	16.36	**542**	318	0.56	22675	39.89
443	80	0.14	3181	5.60	**493**	189	0.33	9487	16.69	**543**	330	0.58	23005	40.47
444	78	0.14	3259	5.73	**494**	208	0.37	9695	17.05	**544**	332	0.58	23337	41.05
445	84	0.15	3343	5.88	**495**	219	0.39	9914	17.44	**545**	345	0.61	23682	41.66
446	64	0.11	3407	5.99	**496**	211	0.37	10125	17.81	**546**	338	0.59	24020	42.25
447	75	0.13	3482	6.13	**497**	219	0.39	10344	18.20	**547**	339	0.60	24359	42.85
448	76	0.13	3558	6.26	**498**	220	0.39	10564	18.58	**548**	345	0.61	24704	43.46
449	70	0.12	3628	6.38	**499**	200	0.35	10764	18.94	**549**	363	0.64	25067	44.10
450	84	0.15	3712	6.53	**500**	228	0.40	10992	19.34	**550**	342	0.60	25409	44.70
451	89	0.16	3801	6.69	**501**	233	0.41	11225	19.75	**551**	316	0.56	25725	45.25
452	77	0.14	3878	6.82	**502**	219	0.39	11444	20.13	**552**	290	0.51	26015	45.76
453	79	0.14	3957	6.96	**503**	214	0.38	11658	20.51	**553**	309	0.54	26324	46.31
454	78	0.14	4035	7.10	**504**	227	0.40	11885	20.91	**554**	360	0.63	26684	46.94
455	70	0.12	4105	7.22	**505**	235	0.41	12120	21.32	**555**	314	0.55	26998	47.49
456	113	0.20	4218	7.42	**506**	240	0.42	12360	21.74	**556**	352	0.62	27350	48.11
457	81	0.14	4299	7.56	**507**	233	0.41	12593	22.15	**557**	326	0.57	27676	48.69
458	92	0.16	4391	7.72	**508**	248	0.44	12841	22.59	**558**	320	0.56	27996	49.25
459	85	0.15	4476	7.87	**509**	240	0.42	13081	23.01	**559**	340	0.60	28336	49.85
460	110	0.19	4586	8.07	**510**	237	0.42	13318	23.43	**560**	321	0.56	28657	50.41
461	121	0.21	4707	8.28	**511**	236	0.42	13554	23.84	**561**	347	0.61	29004	51.02
462	95	0.17	4802	8.45	**512**	251	0.44	13805	24.28	**562**	316	0.56	29320	51.58
463	118	0.21	4920	8.65	**513**	243	0.43	14048	24.71	**563**	349	0.61	29669	52.19
464	94	0.17	5014	8.82	**514**	256	0.45	14304	25.16	**564**	350	0.62	30019	52.81
465	112	0.20	5126	9.02	**515**	275	0.48	14579	25.65	**565**	303	0.53	30322	53.34
466	132	0.23	5258	9.25	**516**	290	0.51	14869	26.16	**566**	333	0.59	30655	53.93
467	143	0.25	5401	9.50	**517**	282	0.50	15151	26.65	**567**	365	0.64	31020	54.57
468	111	0.20	5512	9.70	**518**	292	0.51	15443	27.17	**568**	311	0.55	31331	55.11
469	127	0.22	5639	9.92	**519**	276	0.49	15719	27.65	**569**	335	0.59	31666	55.70
470	138	0.24	5777	10.16	**520**	250	0.44	15969	28.09	**570**	329	0.58	31995	56.28
471	130	0.23	5907	10.39	**521**	288	0.51	16257	28.60	**571**	347	0.61	32342	56.89
472	126	0.22	6033	10.61	**522**	294	0.52	16551	29.11	**572**	337	0.59	32679	57.49
473	151	0.27	6184	10.88	**523**	284	0.50	16835	29.61	**573**	349	0.61	33028	58.10
474	130	0.23	6314	11.11	**524**	292	0.51	17127	30.13	**574**	301	0.53	33329	58.63
475	122	0.21	6436	11.32	**525**	319	0.56	17446	30.69	**575**	337	0.59	33666	59.22
476	146	0.26	6582	11.58	**526**	294	0.52	17740	31.21	**576**	314	0.55	33980	59.77
477	146	0.26	6728	11.84	**527**	279	0.49	18019	31.70	**577**	344	0.61	34324	60.38
478	157	0.28	6885	12.11	**528**	302	0.53	18321	32.23	**578**	316	0.56	34640	60.94
479	151	0.27	7036	12.38	**529**	299	0.53	18620	32.75	**579**	308	0.54	34948	61.48
480	154	0.27	7190	12.65	**530**	317	0.56	18937	33.31	**580**	328	0.58	35276	62.05

Table 176. Mathematics 7 Scale Score Distribution (Continued)

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

SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %
581	298	0.52	35574	62.58	**628**	221	0.39	48412	85.16	**675**	68	0.12	54950	96.66
582	355	0.62	35929	63.20	**629**	213	0.37	48625	85.54	**676**	65	0.11	55015	96.78
583	312	0.55	36241	63.75	**630**	205	0.36	48830	85.90	**677**	67	0.12	55082	96.90
584	322	0.57	36563	64.32	**631**	216	0.38	49046	86.28	**678**	72	0.13	55154	97.02
585	291	0.51	36854	64.83	**632**	193	0.34	49239	86.62	**679**	47	0.08	55201	97.10
586	342	0.60	37196	65.43	**633**	205	0.36	49444	86.98	**680**	72	0.13	55273	97.23
587	320	0.56	37516	65.99	**634**	209	0.37	49653	87.34	**681**	59	0.10	55332	97.33
588	323	0.57	37839	66.56	**635**	189	0.33	49842	87.68	**682**	61	0.11	55393	97.44
589	333	0.59	38172	67.15	**636**	180	0.32	50022	87.99	**683**	66	0.12	55459	97.56
590	294	0.52	38466	67.67	**637**	182	0.32	50204	88.31	**684**	51	0.09	55510	97.65
591	326	0.57	38792	68.24	**638**	158	0.28	50362	88.59	**685**	46	0.08	55556	97.73
592	325	0.57	39117	68.81	**639**	187	0.33	50549	88.92	**686**	53	0.09	55609	97.82
593	324	0.57	39441	69.38	**640**	157	0.28	50706	89.20	**687**	44	0.08	55653	97.90
594	299	0.53	39740	69.91	**641**	207	0.36	50913	89.56	**688**	41	0.07	55694	97.97
595	312	0.55	40052	70.46	**642**	180	0.32	51093	89.88	**689**	40	0.07	55734	98.04
596	297	0.52	40349	70.98	**643**	156	0.27	51249	90.15	**690**	48	0.08	55782	98.13
597	282	0.50	40631	71.47	**644**	145	0.26	51394	90.41	**691**	48	0.08	55830	98.21
598	260	0.46	40891	71.93	**645**	180	0.32	51574	90.72	**692**	32	0.06	55862	98.27
599	295	0.52	41186	72.45	**646**	165	0.29	51739	91.01	**693**	41	0.07	55903	98.34
600	270	0.47	41456	72.93	**647**	145	0.26	51884	91.27	**694**	31	0.05	55934	98.39
601	278	0.49	41734	73.41	**648**	144	0.25	52028	91.52	**695**	29	0.05	55963	98.44
602	275	0.48	42009	73.90	**649**	153	0.27	52181	91.79	**696**	40	0.07	56003	98.52
603	317	0.56	42326	74.46	**650**	150	0.26	52331	92.06	**697**	34	0.06	56037	98.58
604	257	0.45	42583	74.91	**651**	142	0.25	52473	92.31	**698**	31	0.05	56068	98.63
605	282	0.50	42865	75.40	**652**	137	0.24	52610	92.55	**699**	27	0.05	56095	98.68
606	251	0.44	43116	75.85	**653**	140	0.25	52750	92.79	**700**	19	0.03	56114	98.71
607	269	0.47	43385	76.32	**654**	135	0.24	52885	93.03	**701**	27	0.05	56141	98.76
608	250	0.44	43635	76.76	**655**	122	0.21	53007	93.25	**702**	29	0.05	56170	98.81
609	269	0.47	43904	77.23	**656**	132	0.23	53139	93.48	**703**	32	0.06	56202	98.87
610	251	0.44	44155	77.67	**657**	111	0.20	53250	93.67	**704**	24	0.04	56226	98.91
611	254	0.45	44409	78.12	**658**	130	0.23	53380	93.90	**705**	28	0.05	56254	98.96
612	224	0.39	44633	78.51	**659**	126	0.22	53506	94.12	**706**	21	0.04	56275	98.99
613	246	0.43	44879	78.95	**660**	123	0.22	53629	94.34	**707**	20	0.04	56295	99.03
614	244	0.43	45123	79.38	**661**	108	0.19	53737	94.53	**708**	25	0.04	56320	99.07
615	246	0.43	45369	79.81	**662**	81	0.14	53818	94.67	**709**	23	0.04	56343	99.11
616	225	0.40	45594	80.20	**663**	99	0.17	53917	94.85	**710**	21	0.04	56364	99.15
617	244	0.43	45838	80.63	**664**	91	0.16	54008	95.01	**711**	25	0.04	56389	99.19
618	245	0.43	46083	81.06	**665**	111	0.20	54119	95.20	**712**	16	0.03	56405	99.22
619	249	0.44	46332	81.50	**666**	96	0.17	54215	95.37	**713**	19	0.03	56424	99.26
620	234	0.41	46566	81.91	**667**	105	0.18	54320	95.55	**714**	17	0.03	56441	99.29
621	240	0.42	46806	82.34	**668**	83	0.15	54403	95.70	**715**	13	0.02	56454	99.31
622	230	0.40	47036	82.74	**669**	84	0.15	54487	95.85	**716**	13	0.02	56467	99.33
623	220	0.39	47256	83.13	**670**	98	0.17	54585	96.02	**717**	14	0.02	56481	99.36
624	253	0.45	47509	83.57	**671**	76	0.13	54661	96.15	**718**	17	0.03	56498	99.39
625	219	0.39	47728	83.96	**672**	76	0.13	54737	96.29	**719**	16	0.03	56514	99.41
626	222	0.39	47950	84.35	**673**	63	0.11	54800	96.40	**720**	14	0.02	56528	99.44
627	241	0.42	48191	84.77	**674**	82	0.14	54882	96.54	**721**	11	0.02	56539	99.46

Table 176. Mathematics 7 Scale Score Distribution (Concluded)

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

SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %
722	8	0.01	56547	99.47	**772**	1	0.00	56794	99.91
723	8	0.01	56555	99.49	**774**	1	0.00	56795	99.91
724	13	0.02	56568	99.51	**775**	3	0.01	56798	99.91
725	10	0.02	56578	99.53	**777**	1	0.00	56799	99.92
726	15	0.03	56593	99.55	**780**	1	0.00	56800	99.92
727	11	0.02	56604	99.57	**781**	2	0.00	56802	99.92
728	7	0.01	56611	99.58	**782**	3	0.01	56805	99.93
729	10	0.02	56621	99.60	**784**	1	0.00	56806	99.93
730	10	0.02	56631	99.62	**786**	3	0.01	56809	99.93
731	7	0.01	56638	99.63	**787**	1	0.00	56810	99.93
732	4	0.01	56642	99.64	**789**	2	0.00	56812	99.94
733	3	0.01	56645	99.64	**797**	1	0.00	56813	99.94
734	8	0.01	56653	99.66	**799**	1	0.00	56814	99.94
735	7	0.01	56660	99.67	**801**	3	0.01	56817	99.95
736	9	0.02	56669	99.69	**804**	1	0.00	56818	99.95
737	3	0.01	56672	99.69	**806**	1	0.00	56819	99.95
738	7	0.01	56679	99.70	**810**	2	0.00	56821	99.95
739	7	0.01	56686	99.72	**828**	1	0.00	56822	99.96
740	4	0.01	56690	99.72	**831**	1	0.00	56823	99.96
741	5	0.01	56695	99.73	**833**	1	0.00	56824	99.96
742	7	0.01	56702	99.74	**838**	7	0.01	56831	99.97
743	3	0.01	56705	99.75	**860**	16	0.03	56847	100.00
744	2	0.00	56707	99.75					
745	1	0.00	56708	99.76					
746	4	0.01	56712	99.76					
747	5	0.01	56717	99.77					
748	5	0.01	56722	99.78					
749	5	0.01	56727	99.79					
750	2	0.00	56729	99.79					
751	2	0.00	56731	99.80					
752	1	0.00	56732	99.80					
753	5	0.01	56737	99.81					
754	3	0.01	56740	99.81					
755	6	0.01	56746	99.82					
756	7	0.01	56753	99.83					
757	4	0.01	56757	99.84					
758	4	0.01	56761	99.85					
759	4	0.01	56765	99.86					
760	1	0.00	56766	99.86					
761	2	0.00	56768	99.86					
762	1	0.00	56769	99.86					
763	5	0.01	56774	99.87					
764	2	0.00	56776	99.88					
765	1	0.00	56777	99.88					
766	2	0.00	56779	99.88					
767	1	0.00	56780	99.88					
768	6	0.01	56786	99.89					
769	4	0.01	56790	99.90					
770	1	0.00	56791	99.90					
771	2	0.00	56793	99.91					

Table 177. Reading 8 Scale Score Distribution

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

SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %
330	182	0.32	182	0.32	**415**	1	0.00	280	0.49	**466**	9	0.02	538	0.93
340	2	0.00	184	0.32	**416**	1	0.00	281	0.49	**467**	11	0.02	549	0.95
342	1	0.00	185	0.32	**417**	2	0.00	283	0.49	**468**	10	0.02	559	0.97
344	1	0.00	186	0.32	**418**	4	0.01	287	0.50	**469**	9	0.02	568	0.99
347	1	0.00	187	0.32	**419**	2	0.00	289	0.50	**470**	10	0.02	578	1.00
349	1	0.00	188	0.33	**420**	3	0.01	292	0.51	**471**	13	0.02	591	1.03
353	3	0.01	191	0.33	**421**	4	0.01	296	0.51	**472**	16	0.03	607	1.05
355	1	0.00	192	0.33	**422**	6	0.01	302	0.52	**473**	9	0.02	616	1.07
358	1	0.00	193	0.34	**423**	3	0.01	305	0.53	**474**	9	0.02	625	1.08
361	3	0.01	196	0.34	**424**	2	0.00	307	0.53	**475**	15	0.03	640	1.11
364	1	0.00	197	0.34	**426**	3	0.01	310	0.54	**476**	7	0.01	647	1.12
366	1	0.00	198	0.34	**427**	4	0.01	314	0.55	**477**	13	0.02	660	1.15
367	2	0.00	200	0.35	**428**	1	0.00	315	0.55	**478**	17	0.03	677	1.18
369	1	0.00	201	0.35	**429**	1	0.00	316	0.55	**479**	16	0.03	693	1.20
370	2	0.00	203	0.35	**430**	5	0.01	321	0.56	**480**	11	0.02	704	1.22
371	3	0.01	206	0.36	**431**	2	0.00	323	0.56	**481**	14	0.02	718	1.25
372	2	0.00	208	0.36	**432**	3	0.01	326	0.57	**482**	13	0.02	731	1.27
373	5	0.01	213	0.37	**433**	3	0.01	329	0.57	**483**	12	0.02	743	1.29
374	2	0.00	215	0.37	**434**	5	0.01	334	0.58	**484**	19	0.03	762	1.32
375	1	0.00	216	0.37	**435**	2	0.00	336	0.58	**485**	10	0.02	772	1.34
381	1	0.00	217	0.38	**436**	2	0.00	338	0.59	**486**	15	0.03	787	1.37
383	1	0.00	218	0.38	**437**	3	0.01	341	0.59	**487**	14	0.02	801	1.39
384	1	0.00	219	0.38	**438**	6	0.01	347	0.60	**488**	20	0.03	821	1.43
385	1	0.00	220	0.38	**439**	6	0.01	353	0.61	**489**	20	0.03	841	1.46
387	2	0.00	222	0.39	**440**	5	0.01	358	0.62	**490**	33	0.06	874	1.52
388	2	0.00	224	0.39	**441**	6	0.01	364	0.63	**491**	24	0.04	898	1.56
389	3	0.01	227	0.39	**442**	9	0.02	373	0.65	**492**	19	0.03	917	1.59
390	2	0.00	229	0.40	**443**	3	0.01	376	0.65	**493**	23	0.04	940	1.63
391	1	0.00	230	0.40	**444**	1	0.00	377	0.65	**494**	16	0.03	956	1.66
392	1	0.00	231	0.40	**445**	8	0.01	385	0.67	**495**	21	0.04	977	1.70
393	1	0.00	232	0.40	**446**	6	0.01	391	0.68	**496**	23	0.04	1000	1.74
394	2	0.00	234	0.41	**447**	8	0.01	399	0.69	**497**	25	0.04	1025	1.78
395	2	0.00	236	0.41	**448**	2	0.00	401	0.70	**498**	17	0.03	1042	1.81
396	1	0.00	237	0.41	**449**	3	0.01	404	0.70	**499**	16	0.03	1058	1.84
397	3	0.01	240	0.42	**450**	8	0.01	412	0.72	**500**	22	0.04	1080	1.87
398	2	0.00	242	0.42	**451**	7	0.01	419	0.73	**501**	21	0.04	1101	1.91
399	1	0.00	243	0.42	**452**	7	0.01	426	0.74	**502**	29	0.05	1130	1.96
402	2	0.00	245	0.43	**453**	1	0.00	427	0.74	**503**	25	0.04	1155	2.01
403	1	0.00	246	0.43	**454**	6	0.01	433	0.75	**504**	18	0.03	1173	2.04
404	2	0.00	248	0.43	**455**	7	0.01	440	0.76	**505**	21	0.04	1194	2.07
405	2	0.00	250	0.43	**456**	8	0.01	448	0.78	**506**	30	0.05	1224	2.12
406	2	0.00	252	0.44	**457**	12	0.02	460	0.80	**507**	34	0.06	1258	2.18
407	2	0.00	254	0.44	**458**	11	0.02	471	0.82	**508**	28	0.05	1286	2.23
408	4	0.01	258	0.45	**459**	12	0.02	483	0.84	**509**	31	0.05	1317	2.29
409	5	0.01	263	0.46	**460**	5	0.01	488	0.85	**510**	28	0.05	1345	2.33
410	2	0.00	265	0.46	**461**	7	0.01	495	0.86	**511**	39	0.07	1384	2.40
411	6	0.01	271	0.47	**462**	8	0.01	503	0.87	**512**	46	0.08	1430	2.48
412	1	0.00	272	0.47	**463**	6	0.01	509	0.88	**513**	31	0.05	1461	2.54
413	4	0.01	276	0.48	**464**	13	0.02	522	0.91	**514**	39	0.07	1500	2.60
414	3	0.01	279	0.48	**465**	7	0.01	529	0.92	**515**	34	0.06	1534	2.66

Table 177. Reading 8 Scale Score Distribution (Continued)

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

SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %
516	45	0.08	1579	2.74	**566**	130	0.23	5505	9.56	**616**	299	0.52	15852	27.52
517	51	0.09	1630	2.83	**567**	131	0.23	5636	9.78	**617**	310	0.54	16162	28.06
518	47	0.08	1677	2.91	**568**	141	0.24	5777	10.03	**618**	319	0.55	16481	28.61
519	47	0.08	1724	2.99	**569**	137	0.24	5914	10.27	**619**	321	0.56	16802	29.17
520	46	0.08	1770	3.07	**570**	149	0.26	6063	10.53	**620**	309	0.54	17111	29.70
521	40	0.07	1810	3.14	**571**	157	0.27	6220	10.80	**621**	320	0.56	17431	30.26
522	50	0.09	1860	3.23	**572**	130	0.23	6350	11.02	**622**	293	0.51	17724	30.77
523	53	0.09	1913	3.32	**573**	135	0.23	6485	11.26	**623**	341	0.59	18065	31.36
524	45	0.08	1958	3.40	**574**	155	0.27	6640	11.53	**624**	361	0.63	18426	31.99
525	58	0.10	2016	3.50	**575**	153	0.27	6793	11.79	**625**	328	0.57	18754	32.56
526	51	0.09	2067	3.59	**576**	150	0.26	6943	12.05	**626**	341	0.59	19095	33.15
527	65	0.11	2132	3.70	**577**	154	0.27	7097	12.32	**627**	333	0.58	19428	33.73
528	42	0.07	2174	3.77	**578**	158	0.27	7255	12.59	**628**	338	0.59	19766	34.31
529	56	0.10	2230	3.87	**579**	162	0.28	7417	12.88	**629**	359	0.62	20125	34.94
530	60	0.10	2290	3.98	**580**	161	0.28	7578	13.16	**630**	313	0.54	20438	35.48
531	61	0.11	2351	4.08	**581**	155	0.27	7733	13.42	**631**	365	0.63	20803	36.11
532	46	0.08	2397	4.16	**582**	180	0.31	7913	13.74	**632**	339	0.59	21142	36.70
533	59	0.10	2456	4.26	**583**	176	0.31	8089	14.04	**633**	360	0.62	21502	37.33
534	51	0.09	2507	4.35	**584**	177	0.31	8266	14.35	**634**	376	0.65	21878	37.98
535	55	0.10	2562	4.45	**585**	164	0.28	8430	14.63	**635**	318	0.55	22196	38.53
536	59	0.10	2621	4.55	**586**	189	0.33	8619	14.96	**636**	340	0.59	22536	39.12
537	68	0.12	2689	4.67	**587**	203	0.35	8822	15.31	**637**	327	0.57	22863	39.69
538	68	0.12	2757	4.79	**588**	195	0.34	9017	15.65	**638**	347	0.60	23210	40.29
539	78	0.14	2835	4.92	**589**	181	0.31	9198	15.97	**639**	356	0.62	23566	40.91
540	68	0.12	2903	5.04	**590**	197	0.34	9395	16.31	**640**	374	0.65	23940	41.56
541	74	0.13	2977	5.17	**591**	203	0.35	9598	16.66	**641**	377	0.65	24317	42.21
542	88	0.15	3065	5.32	**592**	198	0.34	9796	17.01	**642**	352	0.61	24669	42.82
543	83	0.14	3148	5.46	**593**	214	0.37	10010	17.38	**643**	379	0.66	25048	43.48
544	70	0.12	3218	5.59	**594**	208	0.36	10218	17.74	**644**	402	0.70	25450	44.18
545	78	0.14	3296	5.72	**595**	228	0.40	10446	18.13	**645**	383	0.66	25833	44.85
546	66	0.11	3362	5.84	**596**	232	0.40	10678	18.54	**646**	374	0.65	26207	45.49
547	80	0.14	3442	5.98	**597**	234	0.41	10912	18.94	**647**	402	0.70	26609	46.19
548	75	0.13	3517	6.11	**598**	236	0.41	11148	19.35	**648**	379	0.66	26988	46.85
549	85	0.15	3602	6.25	**599**	254	0.44	11402	19.79	**649**	396	0.69	27384	47.54
550	114	0.20	3716	6.45	**600**	237	0.41	11639	20.20	**650**	404	0.70	27788	48.24
551	96	0.17	3812	6.62	**601**	224	0.39	11863	20.59	**651**	414	0.72	28202	48.96
552	87	0.15	3899	6.77	**602**	227	0.39	12090	20.99	**652**	410	0.71	28612	49.67
553	102	0.18	4001	6.95	**603**	215	0.37	12305	21.36	**653**	388	0.67	29000	50.34
554	94	0.16	4095	7.11	**604**	223	0.39	12528	21.75	**654**	383	0.66	29383	51.01
555	112	0.19	4207	7.30	**605**	252	0.44	12780	22.19	**655**	405	0.70	29788	51.71
556	95	0.16	4302	7.47	**606**	254	0.44	13034	22.63	**656**	389	0.68	30177	52.39
557	106	0.18	4408	7.65	**607**	278	0.48	13312	23.11	**657**	396	0.69	30573	53.07
558	93	0.16	4501	7.81	**608**	266	0.46	13578	23.57	**658**	414	0.72	30987	53.79
559	122	0.21	4623	8.03	**609**	263	0.46	13841	24.03	**659**	406	0.70	31393	54.50
560	117	0.20	4740	8.23	**610**	284	0.49	14125	24.52	**660**	405	0.70	31798	55.20
561	117	0.20	4857	8.43	**611**	280	0.49	14405	25.01	**661**	382	0.66	32180	55.86
562	132	0.23	4989	8.66	**612**	300	0.52	14705	25.53	**662**	387	0.67	32567	56.54
563	136	0.24	5125	8.90	**613**	265	0.46	14970	25.99	**663**	380	0.66	32947	57.19
564	123	0.21	5248	9.11	**614**	283	0.49	15253	26.48	**664**	385	0.67	33332	57.86
565	127	0.22	5375	9.33	**615**	300	0.52	15553	27.00	**665**	394	0.68	33726	58.55

Table 177. Reading 8 Scale Score Distribution (Continued)

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

SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %
666	427	0.74	34153	59.29	**716**	253	0.44	51491	89.39	**766**	17	0.03	57185	99.27
667	399	0.69	34552	59.98	**717**	221	0.38	51712	89.77	**767**	22	0.04	57207	99.31
668	393	0.68	34945	60.66	**718**	245	0.43	51957	90.20	**768**	28	0.05	57235	99.36
669	399	0.69	35344	61.36	**719**	219	0.38	52176	90.58	**769**	26	0.05	57261	99.40
670	426	0.74	35770	62.10	**720**	212	0.37	52388	90.94	**770**	21	0.04	57282	99.44
671	436	0.76	36206	62.85	**721**	197	0.34	52585	91.29	**771**	19	0.03	57301	99.47
672	418	0.73	36624	63.58	**722**	207	0.36	52792	91.64	**772**	21	0.04	57322	99.51
673	386	0.67	37010	64.25	**723**	190	0.33	52982	91.97	**773**	21	0.04	57343	99.55
674	347	0.60	37357	64.85	**724**	216	0.37	53198	92.35	**774**	22	0.04	57365	99.58
675	369	0.64	37726	65.49	**725**	186	0.32	53384	92.67	**775**	13	0.02	57378	99.61
676	418	0.73	38144	66.22	**726**	204	0.35	53588	93.03	**776**	17	0.03	57395	99.64
677	380	0.66	38524	66.88	**727**	169	0.29	53757	93.32	**777**	15	0.03	57410	99.66
678	395	0.69	38919	67.56	**728**	167	0.29	53924	93.61	**778**	12	0.02	57422	99.68
679	378	0.66	39297	68.22	**729**	169	0.29	54093	93.90	**779**	16	0.03	57438	99.71
680	401	0.70	39698	68.91	**730**	170	0.30	54263	94.20	**780**	8	0.01	57446	99.72
681	407	0.71	40105	69.62	**731**	176	0.31	54439	94.50	**781**	4	0.01	57450	99.73
682	403	0.70	40508	70.32	**732**	140	0.24	54579	94.75	**782**	21	0.04	57471	99.77
683	399	0.69	40907	71.01	**733**	159	0.28	54738	95.02	**783**	13	0.02	57484	99.79
684	378	0.66	41285	71.67	**734**	135	0.23	54873	95.26	**784**	8	0.01	57492	99.80
685	389	0.68	41674	72.34	**735**	114	0.20	54987	95.46	**785**	7	0.01	57499	99.82
686	373	0.65	42047	72.99	**736**	134	0.23	55121	95.69	**786**	9	0.02	57508	99.83
687	372	0.65	42419	73.64	**737**	142	0.25	55263	95.93	**787**	4	0.01	57512	99.84
688	381	0.66	42800	74.30	**738**	129	0.22	55392	96.16	**788**	4	0.01	57516	99.85
689	358	0.62	43158	74.92	**739**	129	0.22	55521	96.38	**789**	1	0.00	57517	99.85
690	395	0.69	43553	75.61	**740**	113	0.20	55634	96.58	**790**	6	0.01	57523	99.86
691	384	0.67	43937	76.27	**741**	99	0.17	55733	96.75	**791**	7	0.01	57530	99.87
692	372	0.65	44309	76.92	**742**	101	0.18	55834	96.93	**792**	3	0.01	57533	99.88
693	341	0.59	44650	77.51	**743**	97	0.17	55931	97.09	**793**	2	0.00	57535	99.88
694	344	0.60	44994	78.11	**744**	100	0.17	56031	97.27	**794**	1	0.00	57536	99.88
695	337	0.59	45331	78.69	**745**	93	0.16	56124	97.43	**795**	1	0.00	57537	99.88
696	345	0.60	45676	79.29	**746**	84	0.15	56208	97.57	**796**	2	0.00	57539	99.89
697	324	0.56	46000	79.85	**747**	79	0.14	56287	97.71	**797**	4	0.01	57543	99.89
698	321	0.56	46321	80.41	**748**	69	0.12	56356	97.83	**798**	6	0.01	57549	99.90
699	306	0.53	46627	80.94	**749**	59	0.10	56415	97.93	**799**	2	0.00	57551	99.91
700	353	0.61	46980	81.56	**750**	59	0.10	56474	98.04	**800**	3	0.01	57554	99.91
701	321	0.56	47301	82.11	**751**	62	0.11	56536	98.14	**801**	3	0.01	57557	99.92
702	285	0.49	47586	82.61	**752**	65	0.11	56601	98.26	**802**	1	0.00	57558	99.92
703	312	0.54	47898	83.15	**753**	51	0.09	56652	98.35	**803**	3	0.01	57561	99.92
704	260	0.45	48158	83.60	**754**	46	0.08	56698	98.43					
705	328	0.57	48486	84.17	**755**	48	0.08	56746	98.51					
706	321	0.56	48807	84.73	**756**	61	0.11	56807	98.61					
707	311	0.54	49118	85.27	**757**	60	0.10	56867	98.72					
708	289	0.50	49407	85.77	**758**	47	0.08	56914	98.80					
709	272	0.47	49679	86.24	**759**	46	0.08	56960	98.88					
710	249	0.43	49928	86.67	**760**	41	0.07	57001	98.95					
711	267	0.46	50195	87.14	**761**	33	0.06	57034	99.01					
712	267	0.46	50462	87.60	**762**	41	0.07	57075	99.08					
713	256	0.44	50718	88.04	**763**	34	0.06	57109	99.14					
714	280	0.49	50998	88.53	**764**	33	0.06	57142	99.20					
715	240	0.42	51238	88.95	**765**	26	0.05	57168	99.24					

Table 177. Reading 8 Scale Score Distribution (Concluded)

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

SS	Freq.	%	Cum. Freq.	Cum. %
804	4	0.01	57565	99.93
805	4	0.01	57569	99.94
806	2	0.00	57571	99.94
807	1	0.00	57572	99.94
808	3	0.01	57575	99.95
809	2	0.00	57577	99.95
810	4	0.01	57581	99.96
811	1	0.00	57582	99.96
812	1	0.00	57583	99.96
813	2	0.00	57585	99.97
816	2	0.00	57587	99.97
817	2	0.00	57589	99.97
818	3	0.01	57592	99.98
820	1	0.00	57593	99.98
821	1	0.00	57594	99.98
822	1	0.00	57595	99.98
824	1	0.00	57596	99.98
831	2	0.00	57598	99.99
836	1	0.00	57599	99.99
838	1	0.00	57600	99.99
839	1	0.00	57601	99.99
850	1	0.00	57602	99.99
851	1	0.00	57603	100.00
900	1	0.00	57604	100.00
990	1	0.00	57605	100.00

Table 178. Writing 8 Scale Score Distribution

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

SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %
250	62	0.11	62	0.11	**321**	3	0.01	157	0.27	**371**	13	0.02	491	0.85
251	1	0.00	63	0.11	**322**	5	0.01	162	0.28	**372**	15	0.03	506	0.88
253	3	0.01	66	0.11	**323**	5	0.01	167	0.29	**373**	15	0.03	521	0.90
254	1	0.00	67	0.12	**324**	4	0.01	171	0.30	**374**	18	0.03	539	0.94
255	3	0.01	70	0.12	**325**	4	0.01	175	0.30	**375**	14	0.02	553	0.96
257	3	0.01	73	0.13	**326**	3	0.01	178	0.31	**376**	16	0.03	569	0.99
258	2	0.00	75	0.13	**327**	1	0.00	179	0.31	**377**	14	0.02	583	1.01
262	1	0.00	76	0.13	**328**	5	0.01	184	0.32	**378**	18	0.03	601	1.04
265	2	0.00	78	0.14	**329**	2	0.00	186	0.32	**379**	12	0.02	613	1.06
267	1	0.00	79	0.14	**330**	2	0.00	188	0.33	**380**	18	0.03	631	1.09
271	1	0.00	80	0.14	**331**	7	0.01	195	0.34	**381**	15	0.03	646	1.12
272	2	0.00	82	0.14	**332**	3	0.01	198	0.34	**382**	11	0.02	657	1.14
273	1	0.00	83	0.14	**333**	3	0.01	201	0.35	**383**	13	0.02	670	1.16
275	1	0.00	84	0.15	**334**	3	0.01	204	0.35	**384**	21	0.04	691	1.20
276	1	0.00	85	0.15	**335**	9	0.02	213	0.37	**385**	12	0.02	703	1.22
277	3	0.01	88	0.15	**336**	6	0.01	219	0.38	**386**	20	0.03	723	1.25
278	1	0.00	89	0.15	**337**	4	0.01	223	0.39	**387**	19	0.03	742	1.29
279	1	0.00	90	0.16	**338**	2	0.00	225	0.39	**388**	15	0.03	757	1.31
280	4	0.01	94	0.16	**339**	2	0.00	227	0.39	**389**	24	0.04	781	1.36
281	2	0.00	96	0.17	**340**	4	0.01	231	0.40	**390**	18	0.03	799	1.39
282	1	0.00	97	0.17	**341**	4	0.01	235	0.41	**391**	31	0.05	830	1.44
283	1	0.00	98	0.17	**342**	3	0.01	238	0.41	**392**	18	0.03	848	1.47
284	1	0.00	99	0.17	**343**	2	0.00	240	0.42	**393**	23	0.04	871	1.51
289	1	0.00	100	0.17	**344**	4	0.01	244	0.42	**394**	23	0.04	894	1.55
290	1	0.00	101	0.18	**345**	3	0.01	247	0.43	**395**	19	0.03	913	1.58
291	1	0.00	102	0.18	**346**	7	0.01	254	0.44	**396**	23	0.04	936	1.62
292	1	0.00	103	0.18	**347**	6	0.01	260	0.45	**397**	29	0.05	965	1.67
293	1	0.00	104	0.18	**348**	9	0.02	269	0.47	**398**	28	0.05	993	1.72
295	1	0.00	105	0.18	**349**	3	0.01	272	0.47	**399**	21	0.04	1014	1.76
296	2	0.00	107	0.19	**350**	11	0.02	283	0.49	**400**	28	0.05	1042	1.81
297	1	0.00	108	0.19	**351**	6	0.01	289	0.50	**401**	26	0.05	1068	1.85
300	3	0.01	111	0.19	**352**	3	0.01	292	0.51	**402**	27	0.05	1095	1.90
301	1	0.00	112	0.19	**353**	6	0.01	298	0.52	**403**	33	0.06	1128	1.96
302	1	0.00	113	0.20	**354**	7	0.01	305	0.53	**404**	33	0.06	1161	2.01
303	1	0.00	114	0.20	**355**	10	0.02	315	0.55	**405**	32	0.06	1193	2.07
304	2	0.00	116	0.20	**356**	8	0.01	323	0.56	**406**	40	0.07	1233	2.14
305	2	0.00	118	0.20	**357**	11	0.02	334	0.58	**407**	36	0.06	1269	2.20
306	5	0.01	123	0.21	**358**	11	0.02	345	0.60	**408**	28	0.05	1297	2.25
307	2	0.00	125	0.22	**359**	4	0.01	349	0.61	**409**	43	0.07	1340	2.33
308	6	0.01	131	0.23	**360**	7	0.01	356	0.62	**410**	31	0.05	1371	2.38
309	5	0.01	136	0.24	**361**	12	0.02	368	0.64	**411**	37	0.06	1408	2.44
311	1	0.00	137	0.24	**362**	15	0.03	383	0.66	**412**	36	0.06	1444	2.51
312	2	0.00	139	0.24	**363**	11	0.02	394	0.68	**413**	35	0.06	1479	2.57
313	1	0.00	140	0.24	**364**	7	0.01	401	0.70	**414**	40	0.07	1519	2.64
314	1	0.00	141	0.24	**365**	15	0.03	416	0.72	**415**	43	0.07	1562	2.71
316	4	0.01	145	0.25	**366**	9	0.02	425	0.74	**416**	43	0.07	1605	2.78
317	2	0.00	147	0.26	**367**	18	0.03	443	0.77	**417**	36	0.06	1641	2.85
318	2	0.00	149	0.26	**368**	16	0.03	459	0.80	**418**	34	0.06	1675	2.91
319	1	0.00	150	0.26	**369**	12	0.02	471	0.82	**419**	56	0.10	1731	3.00
320	4	0.01	154	0.27	**370**	7	0.01	478	0.83	**420**	49	0.09	1780	3.09

Table 178. Writing 8 Scale Score Distribution (Continued)

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

SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %
421	56	0.10	1836	3.19	**471**	143	0.25	6592	11.44	**521**	312	0.54	17328	30.07
422	43	0.07	1879	3.26	**472**	164	0.28	6756	11.72	**522**	289	0.50	17617	30.57
423	54	0.09	1933	3.35	**473**	144	0.25	6900	11.97	**523**	296	0.51	17913	31.08
424	54	0.09	1987	3.45	**474**	162	0.28	7062	12.25	**524**	301	0.52	18214	31.60
425	59	0.10	2046	3.55	**475**	147	0.26	7209	12.51	**525**	300	0.52	18514	32.12
426	64	0.11	2110	3.66	**476**	162	0.28	7371	12.79	**526**	280	0.49	18794	32.61
427	66	0.11	2176	3.78	**477**	149	0.26	7520	13.05	**527**	296	0.51	19090	33.12
428	62	0.11	2238	3.88	**478**	142	0.25	7662	13.29	**528**	273	0.47	19363	33.60
429	56	0.10	2294	3.98	**479**	181	0.31	7843	13.61	**529**	309	0.54	19672	34.13
430	72	0.12	2366	4.11	**480**	169	0.29	8012	13.90	**530**	318	0.55	19990	34.68
431	65	0.11	2431	4.22	**481**	178	0.31	8190	14.21	**531**	294	0.51	20284	35.20
432	47	0.08	2478	4.30	**482**	177	0.31	8367	14.52	**532**	293	0.51	20577	35.70
433	74	0.13	2552	4.43	**483**	186	0.32	8553	14.84	**533**	310	0.54	20887	36.24
434	61	0.11	2613	4.53	**484**	188	0.33	8741	15.17	**534**	304	0.53	21191	36.77
435	68	0.12	2681	4.65	**485**	192	0.33	8933	15.50	**535**	317	0.55	21508	37.32
436	69	0.12	2750	4.77	**486**	174	0.30	9107	15.80	**536**	327	0.57	21835	37.89
437	77	0.13	2827	4.91	**487**	189	0.33	9296	16.13	**537**	323	0.56	22158	38.45
438	75	0.13	2902	5.04	**488**	180	0.31	9476	16.44	**538**	317	0.55	22475	39.00
439	79	0.14	2981	5.17	**489**	204	0.35	9680	16.80	**539**	286	0.50	22761	39.49
440	78	0.14	3059	5.31	**490**	181	0.31	9861	17.11	**540**	317	0.55	23078	40.04
441	63	0.11	3122	5.42	**491**	216	0.37	10077	17.48	**541**	314	0.54	23392	40.59
442	83	0.14	3205	5.56	**492**	225	0.39	10302	17.88	**542**	278	0.48	23670	41.07
443	97	0.17	3302	5.73	**493**	199	0.35	10501	18.22	**543**	360	0.62	24030	41.69
444	96	0.17	3398	5.90	**494**	184	0.32	10685	18.54	**544**	347	0.60	24377	42.30
445	87	0.15	3485	6.05	**495**	183	0.32	10868	18.86	**545**	340	0.59	24717	42.89
446	96	0.17	3581	6.21	**496**	211	0.37	11079	19.22	**546**	297	0.52	25014	43.40
447	81	0.14	3662	6.35	**497**	217	0.38	11296	19.60	**547**	306	0.53	25320	43.93
448	84	0.15	3746	6.50	**498**	231	0.40	11527	20.00	**548**	304	0.53	25624	44.46
449	92	0.16	3838	6.66	**499**	216	0.37	11743	20.38	**549**	316	0.55	25940	45.01
450	96	0.17	3934	6.83	**500**	219	0.38	11962	20.76	**550**	344	0.60	26284	45.61
451	103	0.18	4037	7.00	**501**	230	0.40	12192	21.15	**551**	308	0.53	26592	46.14
452	98	0.17	4135	7.17	**502**	229	0.40	12421	21.55	**552**	351	0.61	26943	46.75
453	113	0.20	4248	7.37	**503**	222	0.39	12643	21.94	**553**	329	0.57	27272	47.32
454	96	0.17	4344	7.54	**504**	255	0.44	12898	22.38	**554**	315	0.55	27587	47.87
455	107	0.19	4451	7.72	**505**	252	0.44	13150	22.82	**555**	340	0.59	27927	48.46
456	120	0.21	4571	7.93	**506**	211	0.37	13361	23.18	**556**	342	0.59	28269	49.05
457	112	0.19	4683	8.13	**507**	245	0.43	13606	23.61	**557**	352	0.61	28621	49.66
458	133	0.23	4816	8.36	**508**	234	0.41	13840	24.01	**558**	326	0.57	28947	50.23
459	118	0.20	4934	8.56	**509**	262	0.45	14102	24.47	**559**	330	0.57	29277	50.80
460	139	0.24	5073	8.80	**510**	241	0.42	14343	24.89	**560**	381	0.66	29658	51.46
461	149	0.26	5222	9.06	**511**	257	0.45	14600	25.33	**561**	322	0.56	29980	52.02
462	111	0.19	5333	9.25	**512**	250	0.43	14850	25.77	**562**	312	0.54	30292	52.56
463	117	0.20	5450	9.46	**513**	280	0.49	15130	26.25	**563**	327	0.57	30619	53.13
464	126	0.22	5576	9.68	**514**	279	0.48	15409	26.74	**564**	338	0.59	30957	53.71
465	144	0.25	5720	9.92	**515**	259	0.45	15668	27.19	**565**	323	0.56	31280	54.27
466	136	0.24	5856	10.16	**516**	242	0.42	15910	27.61	**566**	347	0.60	31627	54.88
467	132	0.23	5988	10.39	**517**	248	0.43	16158	28.04	**567**	358	0.62	31985	55.50
468	134	0.23	6122	10.62	**518**	273	0.47	16431	28.51	**568**	347	0.60	32332	56.10
469	157	0.27	6279	10.89	**519**	290	0.50	16721	29.01	**569**	324	0.56	32656	56.66
470	170	0.29	6449	11.19	**520**	295	0.51	17016	29.52	**570**	331	0.57	32987	57.24

Table 178. Writing 8 Scale Score Distribution (Continued)

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

SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %
571	317	0.55	33304	57.79	**618**	222	0.39	46663	80.97	**665**	93	0.16	53867	93.47
572	305	0.53	33609	58.32	**619**	212	0.37	46875	81.33	**666**	89	0.15	53956	93.62
573	338	0.59	33947	58.90	**620**	198	0.34	47073	81.68	**667**	84	0.15	54040	93.77
574	352	0.61	34299	59.51	**621**	250	0.43	47323	82.11	**668**	79	0.14	54119	93.90
575	282	0.49	34581	60.00	**622**	202	0.35	47525	82.46	**669**	94	0.16	54213	94.07
576	303	0.53	34884	60.53	**623**	228	0.40	47753	82.86	**670**	94	0.16	54307	94.23
577	325	0.56	35209	61.09	**624**	219	0.38	47972	83.24	**671**	66	0.11	54373	94.34
578	338	0.59	35547	61.68	**625**	190	0.33	48162	83.57	**672**	78	0.14	54451	94.48
579	300	0.52	35847	62.20	**626**	192	0.33	48354	83.90	**673**	89	0.15	54540	94.63
580	331	0.57	36178	62.77	**627**	208	0.36	48562	84.26	**674**	82	0.14	54622	94.78
581	300	0.52	36478	63.29	**628**	200	0.35	48762	84.61	**675**	91	0.16	54713	94.93
582	306	0.53	36784	63.82	**629**	191	0.33	48953	84.94	**676**	73	0.13	54786	95.06
583	329	0.57	37113	64.40	**630**	187	0.32	49140	85.26	**677**	76	0.13	54862	95.19
584	316	0.55	37429	64.94	**631**	173	0.30	49313	85.56	**678**	72	0.12	54934	95.32
585	380	0.66	37809	65.60	**632**	183	0.32	49496	85.88	**679**	72	0.12	55006	95.44
586	278	0.48	38087	66.09	**633**	193	0.33	49689	86.22	**680**	55	0.10	55061	95.54
587	294	0.51	38381	66.60	**634**	177	0.31	49866	86.52	**681**	62	0.11	55123	95.64
588	317	0.55	38698	67.15	**635**	182	0.32	50048	86.84	**682**	56	0.10	55179	95.74
589	307	0.53	39005	67.68	**636**	164	0.28	50212	87.12	**683**	63	0.11	55242	95.85
590	318	0.55	39323	68.23	**637**	160	0.28	50372	87.40	**684**	52	0.09	55294	95.94
591	286	0.50	39609	68.73	**638**	171	0.30	50543	87.70	**685**	71	0.12	55365	96.06
592	309	0.54	39918	69.26	**639**	147	0.26	50690	87.95	**686**	47	0.08	55412	96.15
593	284	0.49	40202	69.76	**640**	139	0.24	50829	88.19	**687**	56	0.10	55468	96.24
594	288	0.50	40490	70.25	**641**	146	0.25	50975	88.45	**688**	48	0.08	55516	96.33
595	278	0.48	40768	70.74	**642**	139	0.24	51114	88.69	**689**	56	0.10	55572	96.42
596	265	0.46	41033	71.20	**643**	168	0.29	51282	88.98	**690**	48	0.08	55620	96.51
597	270	0.47	41303	71.67	**644**	156	0.27	51438	89.25	**691**	66	0.11	55686	96.62
598	308	0.53	41611	72.20	**645**	124	0.22	51562	89.47	**692**	47	0.08	55733	96.70
599	308	0.53	41919	72.73	**646**	149	0.26	51711	89.72	**693**	41	0.07	55774	96.77
600	283	0.49	42202	73.23	**647**	134	0.23	51845	89.96	**694**	52	0.09	55826	96.86
601	306	0.53	42508	73.76	**648**	140	0.24	51985	90.20	**695**	50	0.09	55876	96.95
602	270	0.47	42778	74.22	**649**	122	0.21	52107	90.41	**696**	45	0.08	55921	97.03
603	287	0.50	43065	74.72	**650**	146	0.25	52253	90.67	**697**	48	0.08	55969	97.11
604	260	0.45	43325	75.17	**651**	115	0.20	52368	90.86	**698**	38	0.07	56007	97.18
605	263	0.46	43588	75.63	**652**	114	0.20	52482	91.06	**699**	41	0.07	56048	97.25
606	252	0.44	43840	76.07	**653**	124	0.22	52606	91.28	**700**	37	0.06	56085	97.31
607	237	0.41	44077	76.48	**654**	128	0.22	52734	91.50	**701**	31	0.05	56116	97.37
608	269	0.47	44346	76.95	**655**	108	0.19	52842	91.69	**702**	42	0.07	56158	97.44
609	243	0.42	44589	77.37	**656**	126	0.22	52968	91.91	**703**	31	0.05	56189	97.49
610	268	0.47	44857	77.83	**657**	110	0.19	53078	92.10	**704**	44	0.08	56233	97.57
611	224	0.39	45081	78.22	**658**	108	0.19	53186	92.28	**705**	35	0.06	56268	97.63
612	229	0.40	45310	78.62	**659**	96	0.17	53282	92.45	**706**	40	0.07	56308	97.70
613	204	0.35	45514	78.97	**660**	113	0.20	53395	92.65	**707**	28	0.05	56336	97.75
614	239	0.41	45753	79.39	**661**	93	0.16	53488	92.81	**708**	25	0.04	56361	97.79
615	231	0.40	45984	79.79	**662**	85	0.15	53573	92.96	**709**	42	0.07	56403	97.87
616	226	0.39	46210	80.18	**663**	106	0.18	53679	93.14	**710**	30	0.05	56433	97.92
617	231	0.40	46441	80.58	**664**	95	0.16	53774	93.30	**711**	30	0.05	56463	97.97

Table 178. Writing 8 Scale Score Distribution (Concluded)

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

SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %
712	27	0.05	56490	98.02	**762**	5	0.01	57291	99.41	**815**	1	0.00	57510	99.79
713	27	0.05	56517	98.06	**763**	15	0.03	57306	99.43	**817**	3	0.01	57513	99.79
714	24	0.04	56541	98.11	**764**	6	0.01	57312	99.44	**819**	3	0.01	57516	99.80
715	24	0.04	56565	98.15	**765**	5	0.01	57317	99.45	**820**	1	0.00	57517	99.80
716	34	0.06	56599	98.21	**766**	8	0.01	57325	99.47	**821**	3	0.01	57520	99.80
717	27	0.05	56626	98.25	**767**	7	0.01	57332	99.48	**822**	2	0.00	57522	99.81
718	39	0.07	56665	98.32	**768**	4	0.01	57336	99.48	**823**	5	0.01	57527	99.82
719	16	0.03	56681	98.35	**769**	5	0.01	57341	99.49	**824**	3	0.01	57530	99.82
720	26	0.05	56707	98.39	**770**	3	0.01	57344	99.50	**825**	5	0.01	57535	99.83
721	21	0.04	56728	98.43	**771**	5	0.01	57349	99.51	**828**	3	0.01	57538	99.84
722	25	0.04	56753	98.47	**772**	4	0.01	57353	99.51	**829**	3	0.01	57541	99.84
723	23	0.04	56776	98.51	**773**	5	0.01	57358	99.52	**830**	2	0.00	57543	99.84
724	20	0.03	56796	98.55	**774**	4	0.01	57362	99.53	**831**	1	0.00	57544	99.85
725	20	0.03	56816	98.58	**775**	7	0.01	57369	99.54	**832**	5	0.01	57549	99.85
726	20	0.03	56836	98.62	**776**	7	0.01	57376	99.55	**833**	2	0.00	57551	99.86
727	28	0.05	56864	98.67	**777**	4	0.01	57380	99.56	**835**	3	0.01	57554	99.86
728	15	0.03	56879	98.69	**778**	6	0.01	57386	99.57	**838**	1	0.00	57555	99.86
729	15	0.03	56894	98.72	**779**	7	0.01	57393	99.58	**840**	1	0.00	57556	99.87
730	26	0.05	56920	98.76	**780**	4	0.01	57397	99.59	**841**	1	0.00	57557	99.87
731	14	0.02	56934	98.79	**781**	10	0.02	57407	99.61	**846**	6	0.01	57563	99.88
732	14	0.02	56948	98.81	**782**	3	0.01	57410	99.61	**848**	6	0.01	57569	99.89
733	12	0.02	56960	98.83	**783**	4	0.01	57414	99.62	**850**	1	0.00	57570	99.89
734	16	0.03	56976	98.86	**784**	3	0.01	57417	99.63	**852**	3	0.01	57573	99.90
735	11	0.02	56987	98.88	**785**	5	0.01	57422	99.63	**857**	3	0.01	57576	99.90
736	13	0.02	57000	98.90	**786**	1	0.00	57423	99.64	**859**	1	0.00	57577	99.90
737	26	0.05	57026	98.95	**787**	5	0.01	57428	99.64	**860**	2	0.00	57579	99.91
738	21	0.04	57047	98.98	**788**	2	0.00	57430	99.65	**865**	5	0.01	57584	99.91
739	21	0.04	57068	99.02	**789**	3	0.01	57433	99.65	**867**	3	0.01	57587	99.92
740	10	0.02	57078	99.04	**790**	5	0.01	57438	99.66	**871**	4	0.01	57591	99.93
741	7	0.01	57085	99.05	**791**	6	0.01	57444	99.67	**897**	10	0.02	57601	99.94
742	15	0.03	57100	99.08	**792**	4	0.01	57448	99.68	**910**	32	0.06	57633	100.00
743	12	0.02	57112	99.10	**793**	3	0.01	57451	99.68					
744	17	0.03	57129	99.13	**794**	3	0.01	57454	99.69					
745	10	0.02	57139	99.14	**796**	4	0.01	57458	99.70					
746	9	0.02	57148	99.16	**797**	2	0.00	57460	99.70					
747	13	0.02	57161	99.18	**798**	1	0.00	57461	99.70					
748	13	0.02	57174	99.20	**799**	5	0.01	57466	99.71					
749	10	0.02	57184	99.22	**800**	7	0.01	57473	99.72					
750	5	0.01	57189	99.23	**801**	1	0.00	57474	99.72					
751	10	0.02	57199	99.25	**802**	1	0.00	57475	99.73					
752	7	0.01	57206	99.26	**803**	5	0.01	57480	99.73					
753	8	0.01	57214	99.27	**805**	3	0.01	57483	99.74					
754	5	0.01	57219	99.28	**806**	9	0.02	57492	99.76					
755	11	0.02	57230	99.30	**808**	1	0.00	57493	99.76					
756	9	0.02	57239	99.32	**809**	5	0.01	57498	99.77					
757	16	0.03	57255	99.34	**810**	3	0.01	57501	99.77					
758	10	0.02	57265	99.36	**811**	4	0.01	57505	99.78					
759	11	0.02	57276	99.38	**812**	2	0.00	57507	99.78					
760	6	0.01	57282	99.39	**813**	1	0.00	57508	99.78					
761	4	0.01	57286	99.40	**814**	1	0.00	57509	99.78					

Table 179. Mathematics 8 Scale Score Distribution

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

SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %
310	295	0.51	295	0.51	**362**	3	0.01	473	0.82	**412**	27	0.05	1175	2.04
311	1	0.00	296	0.51	**363**	4	0.01	477	0.83	**413**	28	0.05	1203	2.09
312	2	0.00	298	0.52	**364**	6	0.01	483	0.84	**414**	23	0.04	1226	2.13
313	3	0.01	301	0.52	**365**	5	0.01	488	0.85	**415**	29	0.05	1255	2.18
314	1	0.00	302	0.52	**366**	7	0.01	495	0.86	**416**	31	0.05	1286	2.23
316	1	0.00	303	0.53	**367**	9	0.02	504	0.87	**417**	30	0.05	1316	2.28
317	5	0.01	308	0.53	**368**	10	0.02	514	0.89	**418**	31	0.05	1347	2.34
318	2	0.00	310	0.54	**369**	5	0.01	519	0.90	**419**	28	0.05	1375	2.39
319	1	0.00	311	0.54	**370**	10	0.02	529	0.92	**420**	33	0.06	1408	2.44
320	3	0.01	314	0.54	**371**	7	0.01	536	0.93	**421**	36	0.06	1444	2.51
321	2	0.00	316	0.55	**372**	9	0.02	545	0.95	**422**	36	0.06	1480	2.57
322	1	0.00	317	0.55	**373**	14	0.02	559	0.97	**423**	34	0.06	1514	2.63
323	3	0.01	320	0.56	**374**	8	0.01	567	0.98	**424**	36	0.06	1550	2.69
324	3	0.01	323	0.56	**375**	13	0.02	580	1.01	**425**	37	0.06	1587	2.75
325	1	0.00	324	0.56	**376**	6	0.01	586	1.02	**426**	35	0.06	1622	2.81
326	3	0.01	327	0.57	**377**	7	0.01	593	1.03	**427**	42	0.07	1664	2.89
327	3	0.01	330	0.57	**378**	8	0.01	601	1.04	**428**	38	0.07	1702	2.95
328	3	0.01	333	0.58	**379**	6	0.01	607	1.05	**429**	40	0.07	1742	3.02
329	2	0.00	335	0.58	**380**	11	0.02	618	1.07	**430**	37	0.06	1779	3.09
330	4	0.01	339	0.59	**381**	10	0.02	628	1.09	**431**	37	0.06	1816	3.15
331	3	0.01	342	0.59	**382**	12	0.02	640	1.11	**432**	51	0.09	1867	3.24
332	5	0.01	347	0.60	**383**	10	0.02	650	1.13	**433**	57	0.10	1924	3.34
333	1	0.00	348	0.60	**384**	13	0.02	663	1.15	**434**	53	0.09	1977	3.43
334	1	0.00	349	0.61	**385**	12	0.02	675	1.17	**435**	53	0.09	2030	3.52
335	5	0.01	354	0.61	**386**	11	0.02	686	1.19	**436**	50	0.09	2080	3.61
336	4	0.01	358	0.62	**387**	12	0.02	698	1.21	**437**	37	0.06	2117	3.67
337	4	0.01	362	0.63	**388**	13	0.02	711	1.23	**438**	57	0.10	2174	3.77
339	4	0.01	366	0.64	**389**	14	0.02	725	1.26	**439**	45	0.08	2219	3.85
340	3	0.01	369	0.64	**390**	14	0.02	739	1.28	**440**	48	0.08	2267	3.93
341	3	0.01	372	0.65	**391**	13	0.02	752	1.31	**441**	46	0.08	2313	4.01
342	7	0.01	379	0.66	**392**	21	0.04	773	1.34	**442**	60	0.10	2373	4.12
343	3	0.01	382	0.66	**393**	16	0.03	789	1.37	**443**	70	0.12	2443	4.24
344	3	0.01	385	0.67	**394**	11	0.02	800	1.39	**444**	50	0.09	2493	4.33
345	5	0.01	390	0.68	**395**	22	0.04	822	1.43	**445**	73	0.13	2566	4.45
346	2	0.00	392	0.68	**396**	18	0.03	840	1.46	**446**	79	0.14	2645	4.59
347	5	0.01	397	0.69	**397**	19	0.03	859	1.49	**447**	68	0.12	2713	4.71
348	4	0.01	401	0.70	**398**	12	0.02	871	1.51	**448**	58	0.10	2771	4.81
349	3	0.01	404	0.70	**399**	11	0.02	882	1.53	**449**	70	0.12	2841	4.93
350	2	0.00	406	0.70	**400**	15	0.03	897	1.56	**450**	69	0.12	2910	5.05
351	9	0.02	415	0.72	**401**	24	0.04	921	1.60	**451**	80	0.14	2990	5.19
352	6	0.01	421	0.73	**402**	19	0.03	940	1.63	**452**	55	0.10	3045	5.28
353	4	0.01	425	0.74	**403**	22	0.04	962	1.67	**453**	63	0.11	3108	5.39
354	5	0.01	430	0.75	**404**	22	0.04	984	1.71	**454**	62	0.11	3170	5.50
355	5	0.01	435	0.75	**405**	20	0.03	1004	1.74	**455**	64	0.11	3234	5.61
356	6	0.01	441	0.77	**406**	28	0.05	1032	1.79	**456**	74	0.13	3308	5.74
357	5	0.01	446	0.77	**407**	21	0.04	1053	1.83	**457**	81	0.14	3389	5.88
358	4	0.01	450	0.78	**408**	24	0.04	1077	1.87	**458**	100	0.17	3489	6.06
359	4	0.01	454	0.79	**409**	27	0.05	1104	1.92	**459**	83	0.14	3572	6.20
360	6	0.01	460	0.80	**410**	22	0.04	1126	1.95	**460**	77	0.13	3649	6.33
361	10	0.02	470	0.82	**411**	22	0.04	1148	1.99	**461**	80	0.14	3729	6.47

Table 179. Mathematics 8 Scale Score Distribution (Continued)

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

SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %
462	77	0.13	3806	6.61	**512**	246	0.43	11097	19.26	**562**	328	0.57	25860	44.88
463	86	0.15	3892	6.75	**513**	220	0.38	11317	19.64	**563**	360	0.62	26220	45.51
464	92	0.16	3984	6.91	**514**	209	0.36	11526	20.00	**564**	397	0.69	26617	46.19
465	103	0.18	4087	7.09	**515**	244	0.42	11770	20.43	**565**	356	0.62	26973	46.81
466	90	0.16	4177	7.25	**516**	211	0.37	11981	20.79	**566**	354	0.61	27327	47.43
467	83	0.14	4260	7.39	**517**	230	0.40	12211	21.19	**567**	369	0.64	27696	48.07
468	108	0.19	4368	7.58	**518**	226	0.39	12437	21.58	**568**	367	0.64	28063	48.70
469	100	0.17	4468	7.75	**519**	271	0.47	12708	22.05	**569**	385	0.67	28448	49.37
470	98	0.17	4566	7.92	**520**	248	0.43	12956	22.49	**570**	377	0.65	28825	50.03
471	100	0.17	4666	8.10	**521**	247	0.43	13203	22.91	**571**	380	0.66	29205	50.69
472	101	0.18	4767	8.27	**522**	225	0.39	13428	23.30	**572**	344	0.60	29549	51.28
473	129	0.22	4896	8.50	**523**	232	0.40	13660	23.71	**573**	395	0.69	29944	51.97
474	113	0.20	5009	8.69	**524**	253	0.44	13913	24.15	**574**	367	0.64	30311	52.60
475	104	0.18	5113	8.87	**525**	267	0.46	14180	24.61	**575**	382	0.66	30693	53.27
476	110	0.19	5223	9.06	**526**	235	0.41	14415	25.02	**576**	310	0.54	31003	53.81
477	113	0.20	5336	9.26	**527**	263	0.46	14678	25.47	**577**	357	0.62	31360	54.43
478	110	0.19	5446	9.45	**528**	262	0.45	14940	25.93	**578**	345	0.60	31705	55.02
479	123	0.21	5569	9.67	**529**	289	0.50	15229	26.43	**579**	385	0.67	32090	55.69
480	130	0.23	5699	9.89	**530**	252	0.44	15481	26.87	**580**	371	0.64	32461	56.34
481	122	0.21	5821	10.10	**531**	253	0.44	15734	27.31	**581**	336	0.58	32797	56.92
482	143	0.25	5964	10.35	**532**	259	0.45	15993	27.76	**582**	354	0.61	33151	57.53
483	123	0.21	6087	10.56	**533**	267	0.46	16260	28.22	**583**	371	0.64	33522	58.18
484	146	0.25	6233	10.82	**534**	300	0.52	16560	28.74	**584**	361	0.63	33883	58.80
485	149	0.26	6382	11.08	**535**	319	0.55	16879	29.29	**585**	357	0.62	34240	59.42
486	141	0.24	6523	11.32	**536**	309	0.54	17188	29.83	**586**	352	0.61	34592	60.03
487	133	0.23	6656	11.55	**537**	336	0.58	17524	30.41	**587**	365	0.63	34957	60.67
488	132	0.23	6788	11.78	**538**	292	0.51	17816	30.92	**588**	345	0.60	35302	61.27
489	156	0.27	6944	12.05	**539**	323	0.56	18139	31.48	**589**	429	0.74	35731	62.01
490	154	0.27	7098	12.32	**540**	283	0.49	18422	31.97	**590**	357	0.62	36088	62.63
491	134	0.23	7232	12.55	**541**	327	0.57	18749	32.54	**591**	341	0.59	36429	63.22
492	173	0.30	7405	12.85	**542**	338	0.59	19087	33.13	**592**	362	0.63	36791	63.85
493	185	0.32	7590	13.17	**543**	335	0.58	19422	33.71	**593**	360	0.62	37151	64.48
494	165	0.29	7755	13.46	**544**	303	0.53	19725	34.23	**594**	317	0.55	37468	65.03
495	138	0.24	7893	13.70	**545**	315	0.55	20040	34.78	**595**	344	0.60	37812	65.62
496	175	0.30	8068	14.00	**546**	328	0.57	20368	35.35	**596**	295	0.51	38107	66.14
497	156	0.27	8224	14.27	**547**	329	0.57	20697	35.92	**597**	339	0.59	38446	66.72
498	180	0.31	8404	14.59	**548**	344	0.60	21041	36.52	**598**	358	0.62	38804	67.34
499	154	0.27	8558	14.85	**549**	346	0.60	21387	37.12	**599**	351	0.61	39155	67.95
500	158	0.27	8716	15.13	**550**	324	0.56	21711	37.68	**600**	359	0.62	39514	68.58
501	173	0.30	8889	15.43	**551**	325	0.56	22036	38.24	**601**	359	0.62	39873	69.20
502	187	0.32	9076	15.75	**552**	312	0.54	22348	38.79	**602**	361	0.63	40234	69.83
503	186	0.32	9262	16.07	**553**	354	0.61	22702	39.40	**603**	325	0.56	40559	70.39
504	171	0.30	9433	16.37	**554**	330	0.57	23032	39.97	**604**	314	0.54	40873	70.94
505	197	0.34	9630	16.71	**555**	354	0.61	23386	40.59	**605**	295	0.51	41168	71.45
506	194	0.34	9824	17.05	**556**	381	0.66	23767	41.25	**606**	363	0.63	41531	72.08
507	197	0.34	10021	17.39	**557**	367	0.64	24134	41.88	**607**	340	0.59	41871	72.67
508	208	0.36	10229	17.75	**558**	346	0.60	24480	42.49	**608**	335	0.58	42206	73.25
509	181	0.31	10410	18.07	**559**	380	0.66	24860	43.14	**609**	323	0.56	42529	73.81
510	212	0.37	10622	18.43	**560**	343	0.60	25203	43.74	**610**	318	0.55	42847	74.36
511	229	0.40	10851	18.83	**561**	329	0.57	25532	44.31	**611**	308	0.53	43155	74.90

Table 179. Mathematics 8 Scale Score Distribution (Continued)

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

SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %
612	317	0.55	43472	75.45	**659**	134	0.23	54195	94.06	**706**	20	0.03	57384	99.59
613	319	0.55	43791	76.00	**660**	133	0.23	54328	94.29	**707**	13	0.02	57397	99.61
614	300	0.52	44091	76.52	**661**	156	0.27	54484	94.56	**708**	11	0.02	57408	99.63
615	267	0.46	44358	76.98	**662**	147	0.26	54631	94.81	**709**	15	0.03	57423	99.66
616	336	0.58	44694	77.57	**663**	130	0.23	54761	95.04	**710**	17	0.03	57440	99.69
617	287	0.50	44981	78.06	**664**	125	0.22	54886	95.26	**711**	8	0.01	57448	99.70
618	279	0.48	45260	78.55	**665**	133	0.23	55019	95.49	**712**	10	0.02	57458	99.72
619	290	0.50	45550	79.05	**666**	121	0.21	55140	95.70	**713**	9	0.02	57467	99.73
620	289	0.50	45839	79.55	**667**	134	0.23	55274	95.93	**714**	13	0.02	57480	99.76
621	324	0.56	46163	80.12	**668**	123	0.21	55397	96.14	**715**	6	0.01	57486	99.77
622	291	0.51	46454	80.62	**669**	108	0.19	55505	96.33	**716**	6	0.01	57492	99.78
623	233	0.40	46687	81.03	**670**	87	0.15	55592	96.48	**717**	5	0.01	57497	99.79
624	272	0.47	46959	81.50	**671**	89	0.15	55681	96.63	**718**	8	0.01	57505	99.80
625	263	0.46	47222	81.95	**672**	102	0.18	55783	96.81	**719**	4	0.01	57509	99.81
626	260	0.45	47482	82.41	**673**	90	0.16	55873	96.97	**720**	9	0.02	57518	99.82
627	251	0.44	47733	82.84	**674**	85	0.15	55958	97.12	**721**	4	0.01	57522	99.83
628	240	0.42	47973	83.26	**675**	91	0.16	56049	97.27	**722**	11	0.02	57533	99.85
629	243	0.42	48216	83.68	**676**	90	0.16	56139	97.43	**723**	3	0.01	57536	99.85
630	238	0.41	48454	84.09	**677**	89	0.15	56228	97.58	**724**	5	0.01	57541	99.86
631	235	0.41	48689	84.50	**678**	61	0.11	56289	97.69	**725**	2	0.00	57543	99.87
632	249	0.43	48938	84.93	**679**	68	0.12	56357	97.81	**726**	2	0.00	57545	99.87
633	242	0.42	49180	85.35	**680**	57	0.10	56414	97.91	**727**	2	0.00	57547	99.87
634	254	0.44	49434	85.79	**681**	65	0.11	56479	98.02	**728**	8	0.01	57555	99.89
635	243	0.42	49677	86.21	**682**	61	0.11	56540	98.13	**729**	2	0.00	57557	99.89
636	220	0.38	49897	86.60	**683**	57	0.10	56597	98.22	**730**	4	0.01	57561	99.90
637	220	0.38	50117	86.98	**684**	57	0.10	56654	98.32	**731**	1	0.00	57562	99.90
638	213	0.37	50330	87.35	**685**	53	0.09	56707	98.42	**733**	2	0.00	57564	99.90
639	204	0.35	50534	87.70	**686**	51	0.09	56758	98.50	**734**	4	0.01	57568	99.91
640	229	0.40	50763	88.10	**687**	48	0.08	56806	98.59	**735**	2	0.00	57570	99.91
641	198	0.34	50961	88.44	**688**	49	0.09	56855	98.67	**736**	2	0.00	57572	99.92
642	210	0.36	51171	88.81	**689**	54	0.09	56909	98.77	**737**	2	0.00	57574	99.92
643	207	0.36	51378	89.17	**690**	39	0.07	56948	98.83	**738**	3	0.01	57577	99.93
644	199	0.35	51577	89.51	**691**	37	0.06	56985	98.90	**739**	1	0.00	57578	99.93
645	175	0.30	51752	89.82	**692**	42	0.07	57027	98.97	**740**	3	0.01	57581	99.93
646	227	0.39	51979	90.21	**693**	34	0.06	57061	99.03	**741**	5	0.01	57586	99.94
647	216	0.37	52195	90.58	**694**	39	0.07	57100	99.10	**743**	1	0.00	57587	99.94
648	216	0.37	52411	90.96	**695**	34	0.06	57134	99.16	**745**	6	0.01	57593	99.95
649	182	0.32	52593	91.28	**696**	20	0.03	57154	99.19	**746**	1	0.00	57594	99.95
650	185	0.32	52778	91.60	**697**	24	0.04	57178	99.23	**747**	1	0.00	57595	99.96
651	162	0.28	52940	91.88	**698**	32	0.06	57210	99.29	**749**	2	0.00	57597	99.96
652	145	0.25	53085	92.13	**699**	32	0.06	57242	99.34	**753**	2	0.00	57599	99.96
653	186	0.32	53271	92.45	**700**	24	0.04	57266	99.39	**754**	1	0.00	57600	99.97
654	166	0.29	53437	92.74	**701**	21	0.04	57287	99.42	**755**	1	0.00	57601	99.97
655	160	0.28	53597	93.02	**702**	19	0.03	57306	99.46	**756**	1	0.00	57602	99.97
656	166	0.29	53763	93.31	**703**	25	0.04	57331	99.50	**757**	2	0.00	57604	99.97
657	164	0.28	53927	93.59	**704**	18	0.03	57349	99.53	**765**	1	0.00	57605	99.97
658	134	0.23	54061	93.82	**705**	15	0.03	57364	99.56	**766**	3	0.01	57608	99.98

Table 179. Mathematics 8 Scale Score Distribution (Concluded)

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

SS	Freq.	%	Cum. Freq.	Cum. %
771	1	0.00	57609	99.98
777	2	0.00	57611	99.98
779	1	0.00	57612	99.99
781	1	0.00	57613	99.99
789	3	0.01	57616	99.99
791	2	0.00	57618	100.00
890	2	0.00	57620	100.00

Table 180. Science 8 Scale Score Distribution

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

SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %
300	366	0.64	366	0.64	**350**	23	0.04	1095	1.90	**400**	74	0.13	3578	6.21
301	1	0.00	367	0.64	**351**	32	0.06	1127	1.96	**401**	90	0.16	3668	6.36
302	7	0.01	374	0.65	**352**	24	0.04	1151	2.00	**402**	91	0.16	3759	6.52
303	10	0.02	384	0.67	**353**	24	0.04	1175	2.04	**403**	79	0.14	3838	6.66
304	11	0.02	395	0.69	**354**	28	0.05	1203	2.09	**404**	86	0.15	3924	6.81
305	6	0.01	401	0.70	**355**	29	0.05	1232	2.14	**405**	92	0.16	4016	6.97
306	4	0.01	405	0.70	**356**	25	0.04	1257	2.18	**406**	81	0.14	4097	7.11
307	10	0.02	415	0.72	**357**	20	0.03	1277	2.22	**407**	88	0.15	4185	7.26
308	2	0.00	417	0.72	**358**	29	0.05	1306	2.27	**408**	93	0.16	4278	7.42
309	8	0.01	425	0.74	**359**	46	0.08	1352	2.35	**409**	91	0.16	4369	7.58
310	6	0.01	431	0.75	**360**	32	0.06	1384	2.40	**410**	90	0.16	4459	7.74
311	6	0.01	437	0.76	**361**	41	0.07	1425	2.47	**411**	92	0.16	4551	7.90
312	8	0.01	445	0.77	**362**	38	0.07	1463	2.54	**412**	100	0.17	4651	8.07
313	6	0.01	451	0.78	**363**	39	0.07	1502	2.61	**413**	115	0.20	4766	8.27
314	10	0.02	461	0.80	**364**	49	0.09	1551	2.69	**414**	105	0.18	4871	8.45
315	17	0.03	478	0.83	**365**	31	0.05	1582	2.75	**415**	99	0.17	4970	8.62
316	15	0.03	493	0.86	**366**	41	0.07	1623	2.82	**416**	135	0.23	5105	8.86
317	9	0.02	502	0.87	**367**	35	0.06	1658	2.88	**417**	110	0.19	5215	9.05
318	11	0.02	513	0.89	**368**	40	0.07	1698	2.95	**418**	113	0.20	5328	9.25
319	8	0.01	521	0.90	**369**	52	0.09	1750	3.04	**419**	114	0.20	5442	9.44
320	14	0.02	535	0.93	**370**	30	0.05	1780	3.09	**420**	127	0.22	5569	9.66
321	10	0.02	545	0.95	**371**	47	0.08	1827	3.17	**421**	147	0.26	5716	9.92
322	13	0.02	558	0.97	**372**	40	0.07	1867	3.24	**422**	110	0.19	5826	10.11
323	10	0.02	568	0.99	**373**	50	0.09	1917	3.33	**423**	130	0.23	5956	10.33
324	11	0.02	579	1.00	**374**	51	0.09	1968	3.41	**424**	132	0.23	6088	10.56
325	17	0.03	596	1.03	**375**	62	0.11	2030	3.52	**425**	138	0.24	6226	10.80
326	13	0.02	609	1.06	**376**	45	0.08	2075	3.60	**426**	136	0.24	6362	11.04
327	15	0.03	624	1.08	**377**	63	0.11	2138	3.71	**427**	154	0.27	6516	11.31
328	19	0.03	643	1.12	**378**	47	0.08	2185	3.79	**428**	162	0.28	6678	11.59
329	13	0.02	656	1.14	**379**	50	0.09	2235	3.88	**429**	159	0.28	6837	11.86
330	13	0.02	669	1.16	**380**	54	0.09	2289	3.97	**430**	144	0.25	6981	12.11
331	14	0.02	683	1.19	**381**	56	0.10	2345	4.07	**431**	137	0.24	7118	12.35
332	24	0.04	707	1.23	**382**	49	0.09	2394	4.15	**432**	161	0.28	7279	12.63
333	11	0.02	718	1.25	**383**	49	0.09	2443	4.24	**433**	171	0.30	7450	12.93
334	23	0.04	741	1.29	**384**	55	0.10	2498	4.33	**434**	154	0.27	7604	13.19
335	15	0.03	756	1.31	**385**	58	0.10	2556	4.44	**435**	163	0.28	7767	13.48
336	19	0.03	775	1.34	**386**	67	0.12	2623	4.55	**436**	155	0.27	7922	13.75
337	21	0.04	796	1.38	**387**	59	0.10	2682	4.65	**437**	161	0.28	8083	14.03
338	16	0.03	812	1.41	**388**	47	0.08	2729	4.74	**438**	173	0.30	8256	14.33
339	21	0.04	833	1.45	**389**	60	0.10	2789	4.84	**439**	187	0.32	8443	14.65
340	27	0.05	860	1.49	**390**	59	0.10	2848	4.94	**440**	145	0.25	8588	14.90
341	18	0.03	878	1.52	**391**	65	0.11	2913	5.05	**441**	177	0.31	8765	15.21
342	17	0.03	895	1.55	**392**	64	0.11	2977	5.17	**442**	191	0.33	8956	15.54
343	25	0.04	920	1.60	**393**	57	0.10	3034	5.26	**443**	181	0.31	9137	15.85
344	23	0.04	943	1.64	**394**	61	0.11	3095	5.37	**444**	189	0.33	9326	16.18
345	29	0.05	972	1.69	**395**	87	0.15	3182	5.52	**445**	192	0.33	9518	16.52
346	26	0.05	998	1.73	**396**	79	0.14	3261	5.66	**446**	189	0.33	9707	16.84
347	19	0.03	1017	1.76	**397**	83	0.14	3344	5.80	**447**	187	0.32	9894	17.17
348	24	0.04	1041	1.81	**398**	90	0.16	3434	5.96	**448**	193	0.33	10087	17.50
349	31	0.05	1072	1.86	**399**	70	0.12	3504	6.08	**449**	189	0.33	10276	17.83

Table 180. Science 8 Scale Score Distribution (Continued)

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

SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %
450	237	0.41	10513	18.24	**500**	355	0.62	25599	44.42	**550**	355	0.62	44797	77.73
451	229	0.40	10742	18.64	**501**	377	0.65	25976	45.07	**551**	340	0.59	45137	78.32
452	217	0.38	10959	19.02	**502**	385	0.67	26361	45.74	**552**	356	0.62	45493	78.94
453	205	0.36	11164	19.37	**503**	369	0.64	26730	46.38	**553**	295	0.51	45788	79.45
454	224	0.39	11388	19.76	**504**	398	0.69	27128	47.07	**554**	323	0.56	46111	80.01
455	252	0.44	11640	20.20	**505**	378	0.66	27506	47.73	**555**	320	0.56	46431	80.57
456	242	0.42	11882	20.62	**506**	360	0.62	27866	48.35	**556**	300	0.52	46731	81.09
457	240	0.42	12122	21.03	**507**	405	0.70	28271	49.06	**557**	312	0.54	47043	81.63
458	233	0.40	12355	21.44	**508**	394	0.68	28665	49.74	**558**	321	0.56	47364	82.18
459	234	0.41	12589	21.84	**509**	396	0.69	29061	50.43	**559**	320	0.56	47684	82.74
460	246	0.43	12835	22.27	**510**	398	0.69	29459	51.12	**560**	303	0.53	47987	83.27
461	254	0.44	13089	22.71	**511**	389	0.67	29848	51.79	**561**	269	0.47	48256	83.73
462	260	0.45	13349	23.16	**512**	399	0.69	30247	52.48	**562**	269	0.47	48525	84.20
463	245	0.43	13594	23.59	**513**	413	0.72	30660	53.20	**563**	304	0.53	48829	84.73
464	254	0.44	13848	24.03	**514**	365	0.63	31025	53.83	**564**	289	0.50	49118	85.23
465	261	0.45	14109	24.48	**515**	413	0.72	31438	54.55	**565**	273	0.47	49391	85.70
466	311	0.54	14420	25.02	**516**	362	0.63	31800	55.18	**566**	276	0.48	49667	86.18
467	312	0.54	14732	25.56	**517**	382	0.66	32182	55.84	**567**	264	0.46	49931	86.64
468	266	0.46	14998	26.02	**518**	392	0.68	32574	56.52	**568**	250	0.43	50181	87.07
469	281	0.49	15279	26.51	**519**	394	0.68	32968	57.21	**569**	255	0.44	50436	87.52
470	306	0.53	15585	27.04	**520**	411	0.71	33379	57.92	**570**	250	0.43	50686	87.95
471	303	0.53	15888	27.57	**521**	393	0.68	33772	58.60	**571**	248	0.43	50934	88.38
472	267	0.46	16155	28.03	**522**	404	0.70	34176	59.30	**572**	239	0.41	51173	88.79
473	275	0.48	16430	28.51	**523**	397	0.69	34573	59.99	**573**	249	0.43	51422	89.23
474	318	0.55	16748	29.06	**524**	395	0.69	34968	60.68	**574**	254	0.44	51676	89.67
475	313	0.54	17061	29.60	**525**	396	0.69	35364	61.36	**575**	212	0.37	51888	90.03
476	295	0.51	17356	30.12	**526**	398	0.69	35762	62.05	**576**	224	0.39	52112	90.42
477	306	0.53	17662	30.65	**527**	385	0.67	36147	62.72	**577**	226	0.39	52338	90.82
478	313	0.54	17975	31.19	**528**	406	0.70	36553	63.43	**578**	197	0.34	52535	91.16
479	334	0.58	18309	31.77	**529**	392	0.68	36945	64.11	**579**	191	0.33	52726	91.49
480	321	0.56	18630	32.33	**530**	390	0.68	37335	64.78	**580**	191	0.33	52917	91.82
481	327	0.57	18957	32.89	**531**	393	0.68	37728	65.46	**581**	189	0.33	53106	92.15
482	291	0.50	19248	33.40	**532**	403	0.70	38131	66.16	**582**	179	0.31	53285	92.46
483	313	0.54	19561	33.94	**533**	396	0.69	38527	66.85	**583**	218	0.38	53503	92.84
484	291	0.50	19852	34.45	**534**	378	0.66	38905	67.51	**584**	172	0.30	53675	93.14
485	368	0.64	20220	35.09	**535**	391	0.68	39296	68.19	**585**	161	0.28	53836	93.42
486	353	0.61	20573	35.70	**536**	362	0.63	39658	68.81	**586**	174	0.30	54010	93.72
487	339	0.59	20912	36.29	**537**	407	0.71	40065	69.52	**587**	168	0.29	54178	94.01
488	352	0.61	21264	36.90	**538**	378	0.66	40443	70.18	**588**	149	0.26	54327	94.27
489	330	0.57	21594	37.47	**539**	430	0.75	40873	70.92	**589**	135	0.23	54462	94.50
490	384	0.67	21978	38.14	**540**	385	0.67	41258	71.59	**590**	146	0.25	54608	94.75
491	371	0.64	22349	38.78	**541**	368	0.64	41626	72.23	**591**	133	0.23	54741	94.99
492	355	0.62	22704	39.40	**542**	356	0.62	41982	72.85	**592**	133	0.23	54874	95.22
493	319	0.55	23023	39.95	**543**	380	0.66	42362	73.51	**593**	139	0.24	55013	95.46
494	345	0.60	23368	40.55	**544**	345	0.60	42707	74.10	**594**	98	0.17	55111	95.63
495	374	0.65	23742	41.20	**545**	361	0.63	43068	74.73	**595**	127	0.22	55238	95.85
496	371	0.64	24113	41.84	**546**	337	0.58	43405	75.32	**596**	109	0.19	55347	96.04
497	372	0.65	24485	42.49	**547**	353	0.61	43758	75.93	**597**	94	0.16	55441	96.20
498	388	0.67	24873	43.16	**548**	358	0.62	44116	76.55	**598**	113	0.20	55554	96.40
499	371	0.64	25244	43.80	**549**	326	0.57	44442	77.11	**599**	112	0.19	55666	96.59

Table 180. Science 8 Scale Score Distribution (Concluded)

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

SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %
600	81	0.14	55747	96.73	**650**	4	0.01	57502	99.78
601	92	0.16	55839	96.89	**651**	10	0.02	57512	99.79
602	99	0.17	55938	97.06	**652**	7	0.01	57519	99.81
603	82	0.14	56020	97.20	**653**	9	0.02	57528	99.82
604	76	0.13	56096	97.34	**654**	8	0.01	57536	99.84
605	79	0.14	56175	97.47	**655**	4	0.01	57540	99.84
606	67	0.12	56242	97.59	**656**	5	0.01	57545	99.85
607	66	0.11	56308	97.70	**657**	3	0.01	57548	99.86
608	56	0.10	56364	97.80	**658**	5	0.01	57553	99.86
609	63	0.11	56427	97.91	**659**	7	0.01	57560	99.88
610	61	0.11	56488	98.02	**660**	8	0.01	57568	99.89
611	60	0.10	56548	98.12	**661**	4	0.01	57572	99.90
612	50	0.09	56598	98.21	**662**	5	0.01	57577	99.91
613	47	0.08	56645	98.29	**663**	6	0.01	57583	99.92
614	52	0.09	56697	98.38	**664**	5	0.01	57588	99.93
615	57	0.10	56754	98.48	**665**	3	0.01	57591	99.93
616	39	0.07	56793	98.55	**666**	1	0.00	57592	99.93
617	34	0.06	56827	98.60	**667**	2	0.00	57594	99.94
618	46	0.08	56873	98.68	**668**	3	0.01	57597	99.94
619	43	0.07	56916	98.76	**669**	1	0.00	57598	99.94
620	32	0.06	56948	98.81	**670**	3	0.01	57601	99.95
621	46	0.08	56994	98.89	**671**	3	0.01	57604	99.95
622	40	0.07	57034	98.96	**672**	1	0.00	57605	99.95
623	33	0.06	57067	99.02	**674**	2	0.00	57607	99.96
624	32	0.06	57099	99.08	**675**	2	0.00	57609	99.96
625	32	0.06	57131	99.13	**676**	2	0.00	57611	99.97
626	33	0.06	57164	99.19	**677**	3	0.01	57614	99.97
627	19	0.03	57183	99.22	**678**	1	0.00	57615	99.97
628	28	0.05	57211	99.27	**681**	1	0.00	57616	99.97
629	21	0.04	57232	99.31	**683**	1	0.00	57617	99.98
630	13	0.02	57245	99.33	**684**	1	0.00	57618	99.98
631	18	0.03	57263	99.36	**685**	2	0.00	57620	99.98
632	22	0.04	57285	99.40	**686**	2	0.00	57622	99.98
633	24	0.04	57309	99.44	**688**	3	0.01	57625	99.99
634	25	0.04	57334	99.48	**689**	1	0.00	57626	99.99
635	20	0.03	57354	99.52	**693**	1	0.00	57627	99.99
636	15	0.03	57369	99.55	**695**	1	0.00	57628	99.99
637	12	0.02	57381	99.57	**697**	1	0.00	57629	100.00
638	16	0.03	57397	99.59	**700**	1	0.00	57630	100.00
639	17	0.03	57414	99.62	**760**	1	0.00	57631	100.00
640	14	0.02	57428	99.65					
641	7	0.01	57435	99.66					
642	9	0.02	57444	99.68					
643	6	0.01	57450	99.69					
644	9	0.02	57459	99.70					
645	7	0.01	57466	99.71					
646	9	0.02	57475	99.73					
647	9	0.02	57484	99.74					
648	7	0.01	57491	99.76					
649	7	0.01	57498	99.77					

Table 181. Reading 9 Scale Score Distribution

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

SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %
350	262	0.44	262	0.44	**448**	1	0.00	353	0.59	**499**	8	0.01	618	1.04
355	1	0.00	263	0.44	**449**	1	0.00	354	0.59	**500**	15	0.03	633	1.06
359	1	0.00	264	0.44	**450**	2	0.00	356	0.60	**501**	15	0.03	648	1.09
361	1	0.00	265	0.45	**451**	4	0.01	360	0.60	**502**	13	0.02	661	1.11
362	2	0.00	267	0.45	**452**	3	0.01	363	0.61	**503**	14	0.02	675	1.13
363	2	0.00	269	0.45	**453**	6	0.01	369	0.62	**504**	16	0.03	691	1.16
367	1	0.00	270	0.45	**455**	6	0.01	375	0.63	**505**	12	0.02	703	1.18
368	1	0.00	271	0.46	**456**	3	0.01	378	0.63	**506**	6	0.01	709	1.19
370	1	0.00	272	0.46	**457**	3	0.01	381	0.64	**507**	13	0.02	722	1.21
373	2	0.00	274	0.46	**458**	7	0.01	388	0.65	**508**	8	0.01	730	1.23
374	1	0.00	275	0.46	**459**	3	0.01	391	0.66	**509**	12	0.02	742	1.25
381	1	0.00	276	0.46	**460**	2	0.00	393	0.66	**510**	12	0.02	754	1.27
384	1	0.00	277	0.47	**461**	3	0.01	396	0.67	**511**	15	0.03	769	1.29
386	2	0.00	279	0.47	**462**	3	0.01	399	0.67	**512**	19	0.03	788	1.32
387	1	0.00	280	0.47	**463**	8	0.01	407	0.68	**513**	11	0.02	799	1.34
391	1	0.00	281	0.47	**464**	1	0.00	408	0.69	**514**	13	0.02	812	1.36
394	2	0.00	283	0.48	**465**	3	0.01	411	0.69	**515**	11	0.02	823	1.38
395	2	0.00	285	0.48	**466**	6	0.01	417	0.70	**516**	12	0.02	835	1.40
396	1	0.00	286	0.48	**467**	3	0.01	420	0.71	**517**	14	0.02	849	1.43
400	2	0.00	288	0.48	**468**	3	0.01	423	0.71	**518**	18	0.03	867	1.46
403	1	0.00	289	0.49	**469**	1	0.00	424	0.71	**519**	12	0.02	879	1.48
404	1	0.00	290	0.49	**470**	3	0.01	427	0.72	**520**	16	0.03	895	1.50
405	2	0.00	292	0.49	**471**	3	0.01	430	0.72	**521**	10	0.02	905	1.52
407	2	0.00	294	0.49	**472**	2	0.00	432	0.73	**522**	17	0.03	922	1.55
410	1	0.00	295	0.50	**473**	7	0.01	439	0.74	**523**	24	0.04	946	1.59
414	3	0.01	298	0.50	**474**	5	0.01	444	0.75	**524**	24	0.04	970	1.63
416	2	0.00	300	0.50	**475**	7	0.01	451	0.76	**525**	25	0.04	995	1.67
417	2	0.00	302	0.51	**476**	4	0.01	455	0.76	**526**	28	0.05	1023	1.72
418	1	0.00	303	0.51	**477**	6	0.01	461	0.77	**527**	34	0.06	1057	1.78
419	4	0.01	307	0.52	**478**	5	0.01	466	0.78	**528**	24	0.04	1081	1.82
420	1	0.00	308	0.52	**479**	4	0.01	470	0.79	**529**	16	0.03	1097	1.84
421	1	0.00	309	0.52	**480**	7	0.01	477	0.80	**530**	31	0.05	1128	1.89
423	3	0.01	312	0.52	**481**	5	0.01	482	0.81	**531**	25	0.04	1153	1.94
424	1	0.00	313	0.53	**482**	6	0.01	488	0.82	**532**	25	0.04	1178	1.98
425	2	0.00	315	0.53	**483**	9	0.02	497	0.83	**533**	28	0.05	1206	2.03
426	2	0.00	317	0.53	**484**	7	0.01	504	0.85	**534**	30	0.05	1236	2.08
427	1	0.00	318	0.53	**485**	12	0.02	516	0.87	**535**	31	0.05	1267	2.13
429	3	0.01	321	0.54	**486**	5	0.01	521	0.88	**536**	36	0.06	1303	2.19
431	1	0.00	322	0.54	**487**	11	0.02	532	0.89	**537**	37	0.06	1340	2.25
434	3	0.01	325	0.55	**488**	8	0.01	540	0.91	**538**	35	0.06	1375	2.31
436	1	0.00	326	0.55	**489**	5	0.01	545	0.92	**539**	31	0.05	1406	2.36
437	3	0.01	329	0.55	**490**	8	0.01	553	0.93	**540**	35	0.06	1441	2.42
438	4	0.01	333	0.56	**491**	10	0.02	563	0.95	**541**	45	0.08	1486	2.50
440	2	0.00	335	0.56	**492**	9	0.02	572	0.96	**542**	41	0.07	1527	2.57
442	2	0.00	337	0.57	**493**	6	0.01	578	0.97	**543**	54	0.09	1581	2.66
443	1	0.00	338	0.57	**494**	7	0.01	585	0.98	**544**	47	0.08	1628	2.73
444	2	0.00	340	0.57	**495**	3	0.01	588	0.99	**545**	41	0.07	1669	2.80
445	6	0.01	346	0.58	**496**	6	0.01	594	1.00	**546**	39	0.07	1708	2.87
446	5	0.01	351	0.59	**497**	8	0.01	602	1.01	**547**	62	0.10	1770	2.97
447	1	0.00	352	0.59	**498**	8	0.01	610	1.02	**548**	46	0.08	1816	3.05

Table 181. Reading 9 Scale Score Distribution (Continued)

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

SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %
549	39	0.07	1855	3.12	**599**	169	0.28	7055	11.85	**649**	430	0.72	22351	37.55
550	62	0.10	1917	3.22	**600**	151	0.25	7206	12.10	**650**	457	0.77	22808	38.31
551	47	0.08	1964	3.30	**601**	181	0.30	7387	12.41	**651**	450	0.76	23258	39.07
552	45	0.08	2009	3.37	**602**	185	0.31	7572	12.72	**652**	441	0.74	23699	39.81
553	52	0.09	2061	3.46	**603**	203	0.34	7775	13.06	**653**	444	0.75	24143	40.56
554	66	0.11	2127	3.57	**604**	225	0.38	8000	13.44	**654**	425	0.71	24568	41.27
555	49	0.08	2176	3.66	**605**	215	0.36	8215	13.80	**655**	469	0.79	25037	42.06
556	57	0.10	2233	3.75	**606**	214	0.36	8429	14.16	**656**	477	0.80	25514	42.86
557	53	0.09	2286	3.84	**607**	231	0.39	8660	14.55	**657**	439	0.74	25953	43.60
558	61	0.10	2347	3.94	**608**	221	0.37	8881	14.92	**658**	474	0.80	26427	44.39
559	69	0.12	2416	4.06	**609**	235	0.39	9116	15.31	**659**	477	0.80	26904	45.19
560	69	0.12	2485	4.17	**610**	213	0.36	9329	15.67	**660**	492	0.83	27396	46.02
561	54	0.09	2539	4.27	**611**	234	0.39	9563	16.06	**661**	503	0.84	27899	46.87
562	76	0.13	2615	4.39	**612**	232	0.39	9795	16.45	**662**	461	0.77	28360	47.64
563	79	0.13	2694	4.53	**613**	236	0.40	10031	16.85	**663**	462	0.78	28822	48.42
564	83	0.14	2777	4.66	**614**	249	0.42	10280	17.27	**664**	476	0.80	29298	49.22
565	75	0.13	2852	4.79	**615**	235	0.39	10515	17.66	**665**	477	0.80	29775	50.02
566	92	0.15	2944	4.95	**616**	263	0.44	10778	18.11	**666**	493	0.83	30268	50.84
567	87	0.15	3031	5.09	**617**	259	0.44	11037	18.54	**667**	499	0.84	30767	51.68
568	73	0.12	3104	5.21	**618**	272	0.46	11309	19.00	**668**	511	0.86	31278	52.54
569	96	0.16	3200	5.38	**619**	296	0.50	11605	19.49	**669**	485	0.81	31763	53.36
570	90	0.15	3290	5.53	**620**	295	0.50	11900	19.99	**670**	481	0.81	32244	54.16
571	110	0.18	3400	5.71	**621**	327	0.55	12227	20.54	**671**	497	0.83	32741	55.00
572	91	0.15	3491	5.86	**622**	289	0.49	12516	21.02	**672**	492	0.83	33233	55.83
573	93	0.16	3584	6.02	**623**	252	0.42	12768	21.45	**673**	471	0.79	33704	56.62
574	81	0.14	3665	6.16	**624**	307	0.52	13075	21.96	**674**	476	0.80	34180	57.42
575	94	0.16	3759	6.31	**625**	311	0.52	13386	22.49	**675**	506	0.85	34686	58.27
576	91	0.15	3850	6.47	**626**	356	0.60	13742	23.08	**676**	468	0.79	35154	59.05
577	110	0.18	3960	6.65	**627**	336	0.56	14078	23.65	**677**	484	0.81	35638	59.87
578	101	0.17	4061	6.82	**628**	326	0.55	14404	24.20	**678**	449	0.75	36087	60.62
579	91	0.15	4152	6.97	**629**	332	0.56	14736	24.75	**679**	530	0.89	36617	61.51
580	112	0.19	4264	7.16	**630**	316	0.53	15052	25.28	**680**	476	0.80	37093	62.31
581	108	0.18	4372	7.34	**631**	351	0.59	15403	25.87	**681**	469	0.79	37562	63.10
582	136	0.23	4508	7.57	**632**	333	0.56	15736	26.43	**682**	464	0.78	38026	63.88
583	126	0.21	4634	7.78	**633**	353	0.59	16089	27.03	**683**	490	0.82	38516	64.70
584	120	0.20	4754	7.99	**634**	352	0.59	16441	27.62	**684**	470	0.79	38986	65.49
585	111	0.19	4865	8.17	**635**	367	0.62	16808	28.23	**685**	487	0.82	39473	66.31
586	132	0.22	4997	8.39	**636**	374	0.63	17182	28.86	**686**	470	0.79	39943	67.10
587	132	0.22	5129	8.62	**637**	374	0.63	17556	29.49	**687**	458	0.77	40401	67.87
588	140	0.24	5269	8.85	**638**	364	0.61	17920	30.10	**688**	436	0.73	40837	68.60
589	156	0.26	5425	9.11	**639**	391	0.66	18311	30.76	**689**	512	0.86	41349	69.46
590	151	0.25	5576	9.37	**640**	402	0.68	18713	31.43	**690**	476	0.80	41825	70.26
591	160	0.27	5736	9.64	**641**	393	0.66	19106	32.09	**691**	450	0.76	42275	71.01
592	148	0.25	5884	9.88	**642**	383	0.64	19489	32.74	**692**	466	0.78	42741	71.80
593	159	0.27	6043	10.15	**643**	378	0.63	19867	33.37	**693**	492	0.83	43233	72.62
594	188	0.32	6231	10.47	**644**	400	0.67	20267	34.05	**694**	429	0.72	43662	73.34
595	159	0.27	6390	10.73	**645**	428	0.72	20695	34.76	**695**	433	0.73	44095	74.07
596	162	0.27	6552	11.01	**646**	411	0.69	21106	35.45	**696**	442	0.74	44537	74.81
597	154	0.26	6706	11.26	**647**	397	0.67	21503	36.12	**697**	426	0.72	44963	75.53
598	180	0.30	6886	11.57	**648**	418	0.70	21921	36.82	**698**	444	0.75	45407	76.28

Table 181. Reading 9 Scale Score Distribution (Concluded)

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

SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %
699	425	0.71	45832	76.99	**749**	88	0.15	58359	98.03	**799**	3	0.01	59505	99.96
700	413	0.69	46245	77.68	**750**	63	0.11	58422	98.14	**800**	5	0.01	59510	99.97
701	417	0.70	46662	78.38	**751**	84	0.14	58506	98.28	**801**	1	0.00	59511	99.97
702	431	0.72	47093	79.11	**752**	77	0.13	58583	98.41	**802**	2	0.00	59513	99.97
703	417	0.70	47510	79.81	**753**	58	0.10	58641	98.51	**804**	3	0.01	59516	99.98
704	377	0.63	47887	80.44	**754**	61	0.10	58702	98.61	**805**	3	0.01	59519	99.98
705	399	0.67	48286	81.11	**755**	55	0.09	58757	98.70	**807**	1	0.00	59520	99.98
706	372	0.62	48658	81.74	**756**	61	0.10	58818	98.80	**811**	1	0.00	59521	99.98
707	417	0.70	49075	82.44	**757**	50	0.08	58868	98.89	**813**	2	0.00	59523	99.99
708	376	0.63	49451	83.07	**758**	38	0.06	58906	98.95	**814**	1	0.00	59524	99.99
709	380	0.64	49831	83.71	**759**	32	0.05	58938	99.01	**821**	1	0.00	59525	99.99
710	386	0.65	50217	84.36	**760**	38	0.06	58976	99.07	**826**	1	0.00	59526	99.99
711	366	0.61	50583	84.97	**761**	49	0.08	59025	99.15	**827**	1	0.00	59527	99.99
712	332	0.56	50915	85.53	**762**	32	0.05	59057	99.21	**828**	1	0.00	59528	100.00
713	350	0.59	51265	86.12	**763**	38	0.06	59095	99.27	**835**	1	0.00	59529	100.00
714	355	0.60	51620	86.71	**764**	30	0.05	59125	99.32	**843**	1	0.00	59530	100.00
715	301	0.51	51921	87.22	**765**	26	0.04	59151	99.36					
716	309	0.52	52230	87.74	**766**	19	0.03	59170	99.40					
717	323	0.54	52553	88.28	**767**	34	0.06	59204	99.45					
718	294	0.49	52847	88.77	**768**	19	0.03	59223	99.48					
719	293	0.49	53140	89.27	**769**	24	0.04	59247	99.52					
720	278	0.47	53418	89.73	**770**	23	0.04	59270	99.56					
721	269	0.45	53687	90.18	**771**	19	0.03	59289	99.60					
722	241	0.40	53928	90.59	**772**	26	0.04	59315	99.64					
723	292	0.49	54220	91.08	**773**	16	0.03	59331	99.67					
724	224	0.38	54444	91.46	**774**	16	0.03	59347	99.69					
725	228	0.38	54672	91.84	**775**	21	0.04	59368	99.73					
726	241	0.40	54913	92.24	**776**	15	0.03	59383	99.75					
727	207	0.35	55120	92.59	**777**	8	0.01	59391	99.77					
728	230	0.39	55350	92.98	**778**	10	0.02	59401	99.78					
729	217	0.36	55567	93.34	**779**	7	0.01	59408	99.80					
730	222	0.37	55789	93.72	**780**	5	0.01	59413	99.80					
731	205	0.34	55994	94.06	**781**	8	0.01	59421	99.82					
732	185	0.31	56179	94.37	**782**	9	0.02	59430	99.83					
733	170	0.29	56349	94.66	**783**	7	0.01	59437	99.84					
734	186	0.31	56535	94.97	**784**	9	0.02	59446	99.86					
735	163	0.27	56698	95.24	**785**	4	0.01	59450	99.87					
736	154	0.26	56852	95.50	**786**	9	0.02	59459	99.88					
737	169	0.28	57021	95.79	**787**	4	0.01	59463	99.89					
738	154	0.26	57175	96.04	**788**	3	0.01	59466	99.89					
739	127	0.21	57302	96.26	**789**	5	0.01	59471	99.90					
740	143	0.24	57445	96.50	**790**	7	0.01	59478	99.91					
741	114	0.19	57559	96.69	**791**	5	0.01	59483	99.92					
742	107	0.18	57666	96.87	**792**	4	0.01	59487	99.93					
743	128	0.22	57794	97.08	**793**	4	0.01	59491	99.93					
744	125	0.21	57919	97.29	**794**	2	0.00	59493	99.94					
745	96	0.16	58015	97.46	**795**	1	0.00	59494	99.94					
746	97	0.16	58112	97.62	**796**	3	0.01	59497	99.94					
747	82	0.14	58194	97.76	**797**	4	0.01	59501	99.95					
748	77	0.13	58271	97.89	**798**	1	0.00	59502	99.95					

Table 182. Writing 9 Scale Score Distribution

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

SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %
260	52	0.09	52	0.09	**324**	3	0.01	153	0.26	**374**	12	0.02	537	0.90
261	1	0.00	53	0.09	**325**	5	0.01	158	0.27	**375**	16	0.03	553	0.93
262	1	0.00	54	0.09	**326**	1	0.00	159	0.27	**376**	16	0.03	569	0.96
264	1	0.00	55	0.09	**327**	5	0.01	164	0.28	**377**	19	0.03	588	0.99
265	1	0.00	56	0.09	**328**	7	0.01	171	0.29	**378**	12	0.02	600	1.01
268	1	0.00	57	0.10	**329**	6	0.01	177	0.30	**379**	16	0.03	616	1.03
272	1	0.00	58	0.10	**330**	4	0.01	181	0.30	**380**	20	0.03	636	1.07
274	1	0.00	59	0.10	**331**	3	0.01	184	0.31	**381**	24	0.04	660	1.11
275	2	0.00	61	0.10	**332**	2	0.00	186	0.31	**382**	10	0.02	670	1.13
276	1	0.00	62	0.10	**333**	5	0.01	191	0.32	**383**	14	0.02	684	1.15
277	1	0.00	63	0.11	**334**	7	0.01	198	0.33	**384**	15	0.03	699	1.17
280	2	0.00	65	0.11	**335**	1	0.00	199	0.33	**385**	30	0.05	729	1.22
281	3	0.01	68	0.11	**336**	8	0.01	207	0.35	**386**	14	0.02	743	1.25
282	1	0.00	69	0.12	**337**	3	0.01	210	0.35	**387**	19	0.03	762	1.28
283	2	0.00	71	0.12	**338**	9	0.02	219	0.37	**388**	22	0.04	784	1.32
284	3	0.01	74	0.12	**339**	4	0.01	223	0.37	**389**	24	0.04	808	1.36
285	1	0.00	75	0.13	**340**	8	0.01	231	0.39	**390**	21	0.04	829	1.39
287	2	0.00	77	0.13	**341**	6	0.01	237	0.40	**391**	16	0.03	845	1.42
288	1	0.00	78	0.13	**342**	4	0.01	241	0.40	**392**	28	0.05	873	1.47
290	2	0.00	80	0.13	**343**	6	0.01	247	0.41	**393**	31	0.05	904	1.52
291	1	0.00	81	0.14	**344**	3	0.01	250	0.42	**394**	24	0.04	928	1.56
292	3	0.01	84	0.14	**345**	10	0.02	260	0.44	**395**	37	0.06	965	1.62
293	1	0.00	85	0.14	**346**	10	0.02	270	0.45	**396**	29	0.05	994	1.67
295	2	0.00	87	0.15	**347**	13	0.02	283	0.48	**397**	26	0.04	1020	1.71
296	1	0.00	88	0.15	**348**	5	0.01	288	0.48	**398**	32	0.05	1052	1.77
297	1	0.00	89	0.15	**349**	5	0.01	293	0.49	**399**	33	0.06	1085	1.82
298	2	0.00	91	0.15	**350**	4	0.01	297	0.50	**400**	23	0.04	1108	1.86
299	4	0.01	95	0.16	**351**	8	0.01	305	0.51	**401**	29	0.05	1137	1.91
300	1	0.00	96	0.16	**352**	2	0.00	307	0.52	**402**	35	0.06	1172	1.97
301	1	0.00	97	0.16	**353**	9	0.02	316	0.53	**403**	34	0.06	1206	2.03
303	1	0.00	98	0.16	**354**	13	0.02	329	0.55	**404**	43	0.07	1249	2.10
304	3	0.01	101	0.17	**355**	5	0.01	334	0.56	**405**	35	0.06	1284	2.16
305	4	0.01	105	0.18	**356**	8	0.01	342	0.57	**406**	42	0.07	1326	2.23
306	2	0.00	107	0.18	**357**	10	0.02	352	0.59	**407**	31	0.05	1357	2.28
307	1	0.00	108	0.18	**358**	11	0.02	363	0.61	**408**	44	0.07	1401	2.35
308	3	0.01	111	0.19	**359**	6	0.01	369	0.62	**409**	26	0.04	1427	2.40
309	1	0.00	112	0.19	**360**	14	0.02	383	0.64	**410**	28	0.05	1455	2.44
310	3	0.01	115	0.19	**361**	7	0.01	390	0.66	**411**	29	0.05	1484	2.49
312	3	0.01	118	0.20	**362**	8	0.01	398	0.67	**412**	55	0.09	1539	2.59
313	2	0.00	120	0.20	**363**	12	0.02	410	0.69	**413**	55	0.09	1594	2.68
314	3	0.01	123	0.21	**364**	12	0.02	422	0.71	**414**	33	0.06	1627	2.73
315	6	0.01	129	0.22	**365**	11	0.02	433	0.73	**415**	49	0.08	1676	2.82
316	2	0.00	131	0.22	**366**	12	0.02	445	0.75	**416**	45	0.08	1721	2.89
317	2	0.00	133	0.22	**367**	16	0.03	461	0.77	**417**	45	0.08	1766	2.97
318	3	0.01	136	0.23	**368**	7	0.01	468	0.79	**418**	36	0.06	1802	3.03
319	3	0.01	139	0.23	**369**	9	0.02	477	0.80	**419**	41	0.07	1843	3.10
320	3	0.01	142	0.24	**370**	14	0.02	491	0.82	**420**	58	0.10	1901	3.19
321	3	0.01	145	0.24	**371**	13	0.02	504	0.85	**421**	37	0.06	1938	3.26
322	1	0.00	146	0.25	**372**	10	0.02	514	0.86	**422**	53	0.09	1991	3.34
323	4	0.01	150	0.25	**373**	11	0.02	525	0.88	**423**	46	0.08	2037	3.42

Table 182. Writing 9 Scale Score Distribution (Continued)

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

SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %
424	56	0.09	2093	3.52	**474**	143	0.24	7220	12.13	**524**	261	0.44	17686	29.71
425	47	0.08	2140	3.60	**475**	143	0.24	7363	12.37	**525**	241	0.40	17927	30.12
426	61	0.10	2201	3.70	**476**	162	0.27	7525	12.64	**526**	258	0.43	18185	30.55
427	58	0.10	2259	3.80	**477**	167	0.28	7692	12.92	**527**	279	0.47	18464	31.02
428	73	0.12	2332	3.92	**478**	168	0.28	7860	13.20	**528**	291	0.49	18755	31.51
429	60	0.10	2392	4.02	**479**	160	0.27	8020	13.47	**529**	300	0.50	19055	32.01
430	58	0.10	2450	4.12	**480**	175	0.29	8195	13.77	**530**	262	0.44	19317	32.45
431	62	0.10	2512	4.22	**481**	147	0.25	8342	14.01	**531**	275	0.46	19592	32.92
432	58	0.10	2570	4.32	**482**	170	0.29	8512	14.30	**532**	327	0.55	19919	33.46
433	69	0.12	2639	4.43	**483**	162	0.27	8674	14.57	**533**	298	0.50	20217	33.97
434	60	0.10	2699	4.53	**484**	182	0.31	8856	14.88	**534**	300	0.50	20517	34.47
435	85	0.14	2784	4.68	**485**	172	0.29	9028	15.17	**535**	318	0.53	20835	35.00
436	79	0.13	2863	4.81	**486**	193	0.32	9221	15.49	**536**	306	0.51	21141	35.52
437	66	0.11	2929	4.92	**487**	178	0.30	9399	15.79	**537**	267	0.45	21408	35.97
438	83	0.14	3012	5.06	**488**	177	0.30	9576	16.09	**538**	318	0.53	21726	36.50
439	75	0.13	3087	5.19	**489**	190	0.32	9766	16.41	**539**	282	0.47	22008	36.97
440	71	0.12	3158	5.31	**490**	177	0.30	9943	16.70	**540**	291	0.49	22299	37.46
441	83	0.14	3241	5.44	**491**	177	0.30	10120	17.00	**541**	303	0.51	22602	37.97
442	78	0.13	3319	5.58	**492**	145	0.24	10265	17.25	**542**	330	0.55	22932	38.53
443	100	0.17	3419	5.74	**493**	197	0.33	10462	17.58	**543**	294	0.49	23226	39.02
444	89	0.15	3508	5.89	**494**	205	0.34	10667	17.92	**544**	286	0.48	23512	39.50
445	106	0.18	3614	6.07	**495**	210	0.35	10877	18.27	**545**	350	0.59	23862	40.09
446	96	0.16	3710	6.23	**496**	208	0.35	11085	18.62	**546**	338	0.57	24200	40.66
447	97	0.16	3807	6.40	**497**	227	0.38	11312	19.00	**547**	322	0.54	24522	41.20
448	102	0.17	3909	6.57	**498**	194	0.33	11506	19.33	**548**	310	0.52	24832	41.72
449	101	0.17	4010	6.74	**499**	181	0.30	11687	19.63	**549**	306	0.51	25138	42.23
450	76	0.13	4086	6.86	**500**	195	0.33	11882	19.96	**550**	296	0.50	25434	42.73
451	102	0.17	4188	7.04	**501**	229	0.38	12111	20.35	**551**	312	0.52	25746	43.25
452	111	0.19	4299	7.22	**502**	210	0.35	12321	20.70	**552**	331	0.56	26077	43.81
453	112	0.19	4411	7.41	**503**	225	0.38	12546	21.08	**553**	298	0.50	26375	44.31
454	127	0.21	4538	7.62	**504**	214	0.36	12760	21.44	**554**	341	0.57	26716	44.88
455	119	0.20	4657	7.82	**505**	199	0.33	12959	21.77	**555**	335	0.56	27051	45.45
456	126	0.21	4783	8.04	**506**	218	0.37	13177	22.14	**556**	365	0.61	27416	46.06
457	105	0.18	4888	8.21	**507**	225	0.38	13402	22.52	**557**	345	0.58	27761	46.64
458	131	0.22	5019	8.43	**508**	246	0.41	13648	22.93	**558**	302	0.51	28063	47.15
459	112	0.19	5131	8.62	**509**	246	0.41	13894	23.34	**559**	338	0.57	28401	47.71
460	112	0.19	5243	8.81	**510**	235	0.39	14129	23.74	**560**	335	0.56	28736	48.28
461	126	0.21	5369	9.02	**511**	234	0.39	14363	24.13	**561**	330	0.55	29066	48.83
462	141	0.24	5510	9.26	**512**	234	0.39	14597	24.52	**562**	330	0.55	29396	49.39
463	121	0.20	5631	9.46	**513**	242	0.41	14839	24.93	**563**	302	0.51	29698	49.89
464	117	0.20	5748	9.66	**514**	235	0.39	15074	25.32	**564**	331	0.56	30029	50.45
465	121	0.20	5869	9.86	**515**	268	0.45	15342	25.77	**565**	325	0.55	30354	51.00
466	132	0.22	6001	10.08	**516**	260	0.44	15602	26.21	**566**	330	0.55	30684	51.55
467	149	0.25	6150	10.33	**517**	245	0.41	15847	26.62	**567**	328	0.55	31012	52.10
468	138	0.23	6288	10.56	**518**	238	0.40	16085	27.02	**568**	331	0.56	31343	52.66
469	156	0.26	6444	10.83	**519**	261	0.44	16346	27.46	**569**	348	0.58	31691	53.24
470	165	0.28	6609	11.10	**520**	245	0.41	16591	27.87	**570**	329	0.55	32020	53.79
471	169	0.28	6778	11.39	**521**	300	0.50	16891	28.38	**571**	325	0.55	32345	54.34
472	144	0.24	6922	11.63	**522**	265	0.45	17156	28.82	**572**	354	0.59	32699	54.94
473	155	0.26	7077	11.89	**523**	269	0.45	17425	29.27	**573**	320	0.54	33019	55.47

Table 182. Writing 9 Scale Score Distribution (Continued)

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

SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %
574	303	0.51	33322	55.98	**621**	246	0.41	46665	78.40	**668**	105	0.18	54639	91.79
575	339	0.57	33661	56.55	**622**	219	0.37	46884	78.77	**669**	112	0.19	54751	91.98
576	323	0.54	33984	57.09	**623**	240	0.40	47124	79.17	**670**	116	0.19	54867	92.18
577	312	0.52	34296	57.62	**624**	246	0.41	47370	79.58	**671**	93	0.16	54960	92.33
578	331	0.56	34627	58.17	**625**	239	0.40	47609	79.98	**672**	113	0.19	55073	92.52
579	327	0.55	34954	58.72	**626**	211	0.35	47820	80.34	**673**	105	0.18	55178	92.70
580	343	0.58	35297	59.30	**627**	227	0.38	48047	80.72	**674**	94	0.16	55272	92.86
581	310	0.52	35607	59.82	**628**	230	0.39	48277	81.11	**675**	96	0.16	55368	93.02
582	311	0.52	35918	60.34	**629**	231	0.39	48508	81.49	**676**	92	0.15	55460	93.17
583	315	0.53	36233	60.87	**630**	196	0.33	48704	81.82	**677**	109	0.18	55569	93.36
584	337	0.57	36570	61.44	**631**	193	0.32	48897	82.15	**678**	83	0.14	55652	93.50
585	340	0.57	36910	62.01	**632**	203	0.34	49100	82.49	**679**	92	0.15	55744	93.65
586	301	0.51	37211	62.52	**633**	173	0.29	49273	82.78	**680**	101	0.17	55845	93.82
587	293	0.49	37504	63.01	**634**	215	0.36	49488	83.14	**681**	118	0.20	55963	94.02
588	317	0.53	37821	63.54	**635**	158	0.27	49646	83.41	**682**	72	0.12	56035	94.14
589	293	0.49	38114	64.03	**636**	222	0.37	49868	83.78	**683**	74	0.12	56109	94.26
590	310	0.52	38424	64.55	**637**	178	0.30	50046	84.08	**684**	70	0.12	56179	94.38
591	311	0.52	38735	65.08	**638**	204	0.34	50250	84.42	**685**	70	0.12	56249	94.50
592	304	0.51	39039	65.59	**639**	198	0.33	50448	84.75	**686**	97	0.16	56346	94.66
593	279	0.47	39318	66.06	**640**	199	0.33	50647	85.09	**687**	85	0.14	56431	94.81
594	315	0.53	39633	66.58	**641**	184	0.31	50831	85.40	**688**	76	0.13	56507	94.93
595	282	0.47	39915	67.06	**642**	169	0.28	51000	85.68	**689**	85	0.14	56592	95.08
596	281	0.47	40196	67.53	**643**	146	0.25	51146	85.93	**690**	72	0.12	56664	95.20
597	266	0.45	40462	67.98	**644**	175	0.29	51321	86.22	**691**	64	0.11	56728	95.30
598	245	0.41	40707	68.39	**645**	150	0.25	51471	86.47	**692**	64	0.11	56792	95.41
599	311	0.52	41018	68.91	**646**	152	0.26	51623	86.73	**693**	75	0.13	56867	95.54
600	274	0.46	41292	69.37	**647**	150	0.25	51773	86.98	**694**	63	0.11	56930	95.64
601	282	0.47	41574	69.85	**648**	169	0.28	51942	87.26	**695**	66	0.11	56996	95.75
602	293	0.49	41867	70.34	**649**	168	0.28	52110	87.55	**696**	61	0.10	57057	95.86
603	260	0.44	42127	70.77	**650**	144	0.24	52254	87.79	**697**	49	0.08	57106	95.94
604	286	0.48	42413	71.25	**651**	166	0.28	52420	88.07	**698**	51	0.09	57157	96.03
605	253	0.43	42666	71.68	**652**	167	0.28	52587	88.35	**699**	52	0.09	57209	96.11
606	255	0.43	42921	72.11	**653**	159	0.27	52746	88.61	**700**	57	0.10	57266	96.21
607	247	0.41	43168	72.52	**654**	153	0.26	52899	88.87	**701**	55	0.09	57321	96.30
608	257	0.43	43425	72.95	**655**	137	0.23	53036	89.10	**702**	62	0.10	57383	96.40
609	247	0.41	43672	73.37	**656**	131	0.22	53167	89.32	**703**	64	0.11	57447	96.51
610	244	0.41	43916	73.78	**657**	139	0.23	53306	89.56	**704**	64	0.11	57511	96.62
611	277	0.47	44193	74.25	**658**	124	0.21	53430	89.76	**705**	68	0.11	57579	96.73
612	251	0.42	44444	74.67	**659**	100	0.17	53530	89.93	**706**	49	0.08	57628	96.82
613	255	0.43	44699	75.10	**660**	134	0.23	53664	90.16	**707**	47	0.08	57675	96.90
614	263	0.44	44962	75.54	**661**	127	0.21	53791	90.37	**708**	40	0.07	57715	96.96
615	253	0.43	45215	75.96	**662**	135	0.23	53926	90.60	**709**	48	0.08	57763	97.04
616	246	0.41	45461	76.38	**663**	128	0.22	54054	90.81	**710**	52	0.09	57815	97.13
617	241	0.40	45702	76.78	**664**	122	0.20	54176	91.02	**711**	36	0.06	57851	97.19
618	233	0.39	45935	77.17	**665**	133	0.22	54309	91.24	**712**	50	0.08	57901	97.28
619	248	0.42	46183	77.59	**666**	108	0.18	54417	91.42	**713**	45	0.08	57946	97.35
620	236	0.40	46419	77.98	**667**	117	0.20	54534	91.62	**714**	28	0.05	57974	97.40

Table 182. Writing 9 Scale Score Distribution (Concluded)

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

SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %
715	41	0.07	58015	97.47	**765**	12	0.02	59080	99.26	**815**	13	0.02	59379	99.76
716	36	0.06	58051	97.53	**766**	5	0.01	59085	99.26	**816**	7	0.01	59386	99.77
717	29	0.05	58080	97.58	**767**	11	0.02	59096	99.28	**818**	2	0.00	59388	99.77
718	44	0.07	58124	97.65	**768**	5	0.01	59101	99.29	**819**	2	0.00	59390	99.78
719	39	0.07	58163	97.72	**769**	9	0.02	59110	99.31	**820**	1	0.00	59391	99.78
720	45	0.08	58208	97.79	**770**	10	0.02	59120	99.32	**821**	4	0.01	59395	99.78
721	18	0.03	58226	97.82	**771**	9	0.02	59129	99.34	**822**	1	0.00	59396	99.79
722	18	0.03	58244	97.85	**772**	14	0.02	59143	99.36	**823**	2	0.00	59398	99.79
723	26	0.04	58270	97.89	**773**	10	0.02	59153	99.38	**824**	4	0.01	59402	99.80
724	23	0.04	58293	97.93	**774**	3	0.01	59156	99.38	**825**	3	0.01	59405	99.80
725	28	0.05	58321	97.98	**775**	11	0.02	59167	99.40	**826**	1	0.00	59406	99.80
726	28	0.05	58349	98.03	**776**	6	0.01	59173	99.41	**827**	1	0.00	59407	99.81
727	40	0.07	58389	98.09	**777**	12	0.02	59185	99.43	**828**	3	0.01	59410	99.81
728	24	0.04	58413	98.14	**778**	8	0.01	59193	99.45	**829**	1	0.00	59411	99.81
729	17	0.03	58430	98.16	**779**	9	0.02	59202	99.46	**830**	1	0.00	59412	99.81
730	34	0.06	58464	98.22	**780**	12	0.02	59214	99.48	**831**	1	0.00	59413	99.82
731	34	0.06	58498	98.28	**781**	10	0.02	59224	99.50	**833**	1	0.00	59414	99.82
732	27	0.05	58525	98.32	**782**	9	0.02	59233	99.51	**837**	1	0.00	59415	99.82
733	18	0.03	58543	98.35	**783**	7	0.01	59240	99.52	**838**	2	0.00	59417	99.82
734	32	0.05	58575	98.41	**784**	12	0.02	59252	99.54	**839**	1	0.00	59418	99.82
735	29	0.05	58604	98.46	**785**	4	0.01	59256	99.55	**842**	2	0.00	59420	99.83
736	31	0.05	58635	98.51	**786**	2	0.00	59258	99.55	**843**	1	0.00	59421	99.83
737	28	0.05	58663	98.56	**787**	6	0.01	59264	99.56	**844**	2	0.00	59423	99.83
738	22	0.04	58685	98.59	**788**	6	0.01	59270	99.57	**845**	2	0.00	59425	99.84
739	31	0.05	58716	98.64	**789**	9	0.02	59279	99.59	**847**	2	0.00	59427	99.84
740	23	0.04	58739	98.68	**790**	8	0.01	59287	99.60	**850**	2	0.00	59429	99.84
741	19	0.03	58758	98.71	**791**	9	0.02	59296	99.62	**851**	4	0.01	59433	99.85
742	22	0.04	58780	98.75	**792**	3	0.01	59299	99.62	**854**	7	0.01	59440	99.86
743	12	0.02	58792	98.77	**793**	4	0.01	59303	99.63	**857**	1	0.00	59441	99.86
744	11	0.02	58803	98.79	**794**	4	0.01	59307	99.64	**858**	3	0.01	59444	99.87
745	16	0.03	58819	98.82	**795**	1	0.00	59308	99.64	**859**	1	0.00	59445	99.87
746	14	0.02	58833	98.84	**796**	1	0.00	59309	99.64	**861**	1	0.00	59446	99.87
747	15	0.03	58848	98.87	**797**	1	0.00	59310	99.64	**863**	9	0.02	59455	99.89
748	13	0.02	58861	98.89	**798**	1	0.00	59311	99.64	**865**	1	0.00	59456	99.89
749	11	0.02	58872	98.91	**799**	3	0.01	59314	99.65	**867**	1	0.00	59457	99.89
750	24	0.04	58896	98.95	**800**	5	0.01	59319	99.66	**869**	12	0.02	59469	99.91
751	13	0.02	58909	98.97	**801**	2	0.00	59321	99.66	**870**	5	0.01	59474	99.92
752	24	0.04	58933	99.01	**802**	6	0.01	59327	99.67	**872**	1	0.00	59475	99.92
753	18	0.03	58951	99.04	**803**	5	0.01	59332	99.68	**877**	3	0.01	59478	99.92
754	15	0.03	58966	99.06	**804**	3	0.01	59335	99.68	**878**	1	0.00	59479	99.93
755	16	0.03	58982	99.09	**805**	4	0.01	59339	99.69	**889**	1	0.00	59480	99.93
756	11	0.02	58993	99.11	**806**	2	0.00	59341	99.69	**897**	7	0.01	59487	99.94
757	12	0.02	59005	99.13	**807**	4	0.01	59345	99.70	**905**	7	0.01	59494	99.95
758	8	0.01	59013	99.14	**808**	5	0.01	59350	99.71	**930**	29	0.05	59523	100.00
759	13	0.02	59026	99.17	**809**	3	0.01	59353	99.71					
760	17	0.03	59043	99.19	**810**	2	0.00	59355	99.72					
761	3	0.01	59046	99.20	**811**	2	0.00	59357	99.72					
762	11	0.02	59057	99.22	**812**	6	0.01	59363	99.73					
763	3	0.01	59060	99.22	**813**	1	0.00	59364	99.73					
764	8	0.01	59068	99.24	**814**	2	0.00	59366	99.74					

Table 183. Mathematics 9 Scale Score Distribution

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

SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %
340	855	1.43	855	1.43	**390**	25	0.04	1510	2.52	**440**	58	0.10	3303	5.52
341	10	0.02	865	1.45	**391**	21	0.04	1531	2.56	**441**	64	0.11	3367	5.63
342	9	0.02	874	1.46	**392**	23	0.04	1554	2.60	**442**	58	0.10	3425	5.73
343	8	0.01	882	1.47	**393**	25	0.04	1579	2.64	**443**	62	0.10	3487	5.83
344	11	0.02	893	1.49	**394**	26	0.04	1605	2.68	**444**	67	0.11	3554	5.94
345	1	0.00	894	1.49	**395**	28	0.05	1633	2.73	**445**	62	0.10	3616	6.04
346	13	0.02	907	1.52	**396**	19	0.03	1652	2.76	**446**	62	0.10	3678	6.15
347	11	0.02	918	1.53	**397**	28	0.05	1680	2.81	**447**	62	0.10	3740	6.25
348	10	0.02	928	1.55	**398**	25	0.04	1705	2.85	**448**	58	0.10	3798	6.35
349	6	0.01	934	1.56	**399**	33	0.06	1738	2.91	**449**	61	0.10	3859	6.45
350	13	0.02	947	1.58	**400**	27	0.05	1765	2.95	**450**	71	0.12	3930	6.57
351	9	0.02	956	1.60	**401**	21	0.04	1786	2.99	**451**	60	0.10	3990	6.67
352	9	0.02	965	1.61	**402**	18	0.03	1804	3.02	**452**	63	0.11	4053	6.77
353	12	0.02	977	1.63	**403**	22	0.04	1826	3.05	**453**	69	0.12	4122	6.89
354	12	0.02	989	1.65	**404**	30	0.05	1856	3.10	**454**	67	0.11	4189	7.00
355	8	0.01	997	1.67	**405**	20	0.03	1876	3.14	**455**	61	0.10	4250	7.10
356	11	0.02	1008	1.68	**406**	41	0.07	1917	3.20	**456**	62	0.10	4312	7.21
357	9	0.02	1017	1.70	**407**	38	0.06	1955	3.27	**457**	68	0.11	4380	7.32
358	12	0.02	1029	1.72	**408**	28	0.05	1983	3.31	**458**	83	0.14	4463	7.46
359	13	0.02	1042	1.74	**409**	26	0.04	2009	3.36	**459**	65	0.11	4528	7.57
360	10	0.02	1052	1.76	**410**	22	0.04	2031	3.39	**460**	85	0.14	4613	7.71
361	7	0.01	1059	1.77	**411**	35	0.06	2066	3.45	**461**	97	0.16	4710	7.87
362	18	0.03	1077	1.80	**412**	28	0.05	2094	3.50	**462**	76	0.13	4786	8.00
363	9	0.02	1086	1.82	**413**	25	0.04	2119	3.54	**463**	88	0.15	4874	8.15
364	10	0.02	1096	1.83	**414**	35	0.06	2154	3.60	**464**	89	0.15	4963	8.30
365	8	0.01	1104	1.85	**415**	32	0.05	2186	3.65	**465**	89	0.15	5052	8.44
366	14	0.02	1118	1.87	**416**	31	0.05	2217	3.71	**466**	79	0.13	5131	8.58
367	15	0.03	1133	1.89	**417**	33	0.06	2250	3.76	**467**	108	0.18	5239	8.76
368	16	0.03	1149	1.92	**418**	36	0.06	2286	3.82	**468**	94	0.16	5333	8.91
369	7	0.01	1156	1.93	**419**	45	0.08	2331	3.90	**469**	94	0.16	5427	9.07
370	14	0.02	1170	1.96	**420**	38	0.06	2369	3.96	**470**	99	0.17	5526	9.24
371	14	0.02	1184	1.98	**421**	23	0.04	2392	4.00	**471**	83	0.14	5609	9.38
372	12	0.02	1196	2.00	**422**	34	0.06	2426	4.06	**472**	106	0.18	5715	9.55
373	12	0.02	1208	2.02	**423**	28	0.05	2454	4.10	**473**	92	0.15	5807	9.71
374	16	0.03	1224	2.05	**424**	44	0.07	2498	4.18	**474**	110	0.18	5917	9.89
375	18	0.03	1242	2.08	**425**	53	0.09	2551	4.26	**475**	106	0.18	6023	10.07
376	16	0.03	1258	2.10	**426**	46	0.08	2597	4.34	**476**	116	0.19	6139	10.26
377	20	0.03	1278	2.14	**427**	45	0.08	2642	4.42	**477**	115	0.19	6254	10.45
378	14	0.02	1292	2.16	**428**	43	0.07	2685	4.49	**478**	125	0.21	6379	10.66
379	12	0.02	1304	2.18	**429**	37	0.06	2722	4.55	**479**	111	0.19	6490	10.85
380	17	0.03	1321	2.21	**430**	44	0.07	2766	4.62	**480**	111	0.19	6601	11.03
381	12	0.02	1333	2.23	**431**	36	0.06	2802	4.68	**481**	131	0.22	6732	11.25
382	15	0.03	1348	2.25	**432**	65	0.11	2867	4.79	**482**	127	0.21	6859	11.47
383	19	0.03	1367	2.28	**433**	65	0.11	2932	4.90	**483**	124	0.21	6983	11.67
384	15	0.03	1382	2.31	**434**	44	0.07	2976	4.97	**484**	105	0.18	7088	11.85
385	17	0.03	1399	2.34	**435**	51	0.09	3027	5.06	**485**	134	0.22	7222	12.07
386	19	0.03	1418	2.37	**436**	56	0.09	3083	5.15	**486**	150	0.25	7372	12.32
387	23	0.04	1441	2.41	**437**	49	0.08	3132	5.24	**487**	119	0.20	7491	12.52
388	23	0.04	1464	2.45	**438**	52	0.09	3184	5.32	**488**	147	0.25	7638	12.77
389	21	0.04	1485	2.48	**439**	61	0.10	3245	5.42	**489**	146	0.24	7784	13.01

Table 183. Mathematics 9 Scale Score Distribution (Continued)

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

SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %
490	131	0.22	7915	13.23	**540**	284	0.47	18332	30.64	**590**	379	0.63	34517	57.70
491	148	0.25	8063	13.48	**541**	322	0.54	18654	31.18	**591**	357	0.60	34874	58.29
492	149	0.25	8212	13.73	**542**	249	0.42	18903	31.60	**592**	396	0.66	35270	58.96
493	137	0.23	8349	13.96	**543**	276	0.46	19179	32.06	**593**	366	0.61	35636	59.57
494	142	0.24	8491	14.19	**544**	293	0.49	19472	32.55	**594**	349	0.58	35985	60.15
495	124	0.21	8615	14.40	**545**	281	0.47	19753	33.02	**595**	324	0.54	36309	60.69
496	144	0.24	8759	14.64	**546**	247	0.41	20000	33.43	**596**	343	0.57	36652	61.27
497	162	0.27	8921	14.91	**547**	306	0.51	20306	33.94	**597**	332	0.55	36984	61.82
498	148	0.25	9069	15.16	**548**	313	0.52	20619	34.47	**598**	372	0.62	37356	62.44
499	174	0.29	9243	15.45	**549**	282	0.47	20901	34.94	**599**	340	0.57	37696	63.01
500	167	0.28	9410	15.73	**550**	286	0.48	21187	35.41	**600**	347	0.58	38043	63.59
501	142	0.24	9552	15.97	**551**	285	0.48	21472	35.89	**601**	338	0.56	38381	64.16
502	175	0.29	9727	16.26	**552**	306	0.51	21778	36.40	**602**	336	0.56	38717	64.72
503	156	0.26	9883	16.52	**553**	291	0.49	22069	36.89	**603**	372	0.62	39089	65.34
504	189	0.32	10072	16.84	**554**	300	0.50	22369	37.39	**604**	352	0.59	39441	65.93
505	189	0.32	10261	17.15	**555**	294	0.49	22663	37.88	**605**	340	0.57	39781	66.50
506	190	0.32	10451	17.47	**556**	251	0.42	22914	38.30	**606**	331	0.55	40112	67.05
507	208	0.35	10659	17.82	**557**	335	0.56	23249	38.86	**607**	344	0.58	40456	67.62
508	213	0.36	10872	18.17	**558**	333	0.56	23582	39.42	**608**	321	0.54	40777	68.16
509	184	0.31	11056	18.48	**559**	315	0.53	23897	39.94	**609**	354	0.59	41131	68.75
510	169	0.28	11225	18.76	**560**	300	0.50	24197	40.45	**610**	329	0.55	41460	69.30
511	217	0.36	11442	19.13	**561**	333	0.56	24530	41.00	**611**	330	0.55	41790	69.85
512	198	0.33	11640	19.46	**562**	304	0.51	24834	41.51	**612**	339	0.57	42129	70.42
513	197	0.33	11837	19.79	**563**	309	0.52	25143	42.03	**613**	302	0.50	42431	70.93
514	183	0.31	12020	20.09	**564**	322	0.54	25465	42.57	**614**	324	0.54	42755	71.47
515	189	0.32	12209	20.41	**565**	343	0.57	25808	43.14	**615**	344	0.58	43099	72.04
516	211	0.35	12420	20.76	**566**	322	0.54	26130	43.68	**616**	337	0.56	43436	72.61
517	207	0.35	12627	21.11	**567**	353	0.59	26483	44.27	**617**	354	0.59	43790	73.20
518	230	0.38	12857	21.49	**568**	337	0.56	26820	44.83	**618**	309	0.52	44099	73.71
519	212	0.35	13069	21.85	**569**	329	0.55	27149	45.38	**619**	305	0.51	44404	74.22
520	233	0.39	13302	22.23	**570**	349	0.58	27498	45.96	**620**	296	0.49	44700	74.72
521	225	0.38	13527	22.61	**571**	321	0.54	27819	46.50	**621**	290	0.48	44990	75.20
522	228	0.38	13755	22.99	**572**	354	0.59	28173	47.09	**622**	306	0.51	45296	75.71
523	247	0.41	14002	23.40	**573**	366	0.61	28539	47.70	**623**	308	0.51	45604	76.23
524	211	0.35	14213	23.76	**574**	343	0.57	28882	48.28	**624**	321	0.54	45925	76.77
525	220	0.37	14433	24.13	**575**	353	0.59	29235	48.87	**625**	294	0.49	46219	77.26
526	262	0.44	14695	24.56	**576**	364	0.61	29599	49.48	**626**	308	0.51	46527	77.77
527	256	0.43	14951	24.99	**577**	347	0.58	29946	50.06	**627**	259	0.43	46786	78.20
528	262	0.44	15213	25.43	**578**	355	0.59	30301	50.65	**628**	284	0.47	47070	78.68
529	257	0.43	15470	25.86	**579**	368	0.62	30669	51.26	**629**	309	0.52	47379	79.20
530	257	0.43	15727	26.29	**580**	355	0.59	31024	51.86	**630**	264	0.44	47643	79.64
531	268	0.45	15995	26.74	**581**	319	0.53	31343	52.39	**631**	282	0.47	47925	80.11
532	246	0.41	16241	27.15	**582**	378	0.63	31721	53.02	**632**	275	0.46	48200	80.57
533	251	0.42	16492	27.57	**583**	357	0.60	32078	53.62	**633**	289	0.48	48489	81.05
534	232	0.39	16724	27.95	**584**	313	0.52	32391	54.14	**634**	268	0.45	48757	81.50
535	260	0.43	16984	28.39	**585**	353	0.59	32744	54.73	**635**	248	0.41	49005	81.91
536	270	0.45	17254	28.84	**586**	354	0.59	33098	55.32	**636**	284	0.47	49289	82.39
537	280	0.47	17534	29.31	**587**	362	0.61	33460	55.93	**637**	285	0.48	49574	82.87
538	257	0.43	17791	29.74	**588**	347	0.58	33807	56.51	**638**	300	0.50	49874	83.37
539	257	0.43	18048	30.17	**589**	331	0.55	34138	57.06	**639**	249	0.42	50123	83.78

Table 183. Mathematics 9 Scale Score Distribution (Continued)

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

SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %
640	252	0.42	50375	84.20	**687**	78	0.13	57928	96.83	**734**	8	0.01	59656	99.72
641	247	0.41	50622	84.62	**688**	69	0.12	57997	96.94	**735**	13	0.02	59669	99.74
642	248	0.41	50870	85.03	**689**	77	0.13	58074	97.07	**736**	9	0.02	59678	99.75
643	248	0.41	51118	85.45	**690**	81	0.14	58155	97.21	**737**	8	0.01	59686	99.77
644	236	0.39	51354	85.84	**691**	80	0.13	58235	97.34	**738**	8	0.01	59694	99.78
645	253	0.42	51607	86.26	**692**	69	0.12	58304	97.46	**739**	9	0.02	59703	99.80
646	227	0.38	51834	86.64	**693**	78	0.13	58382	97.59	**740**	4	0.01	59707	99.80
647	222	0.37	52056	87.01	**694**	62	0.10	58444	97.69	**741**	7	0.01	59714	99.81
648	206	0.34	52262	87.36	**695**	60	0.10	58504	97.79	**742**	6	0.01	59720	99.82
649	198	0.33	52460	87.69	**696**	58	0.10	58562	97.89	**743**	9	0.02	59729	99.84
650	222	0.37	52682	88.06	**697**	65	0.11	58627	98.00	**744**	6	0.01	59735	99.85
651	198	0.33	52880	88.39	**698**	48	0.08	58675	98.08	**745**	4	0.01	59739	99.86
652	191	0.32	53071	88.71	**699**	58	0.10	58733	98.17	**746**	4	0.01	59743	99.86
653	220	0.37	53291	89.08	**700**	39	0.07	58772	98.24	**747**	3	0.01	59746	99.87
654	175	0.29	53466	89.37	**701**	53	0.09	58825	98.33	**748**	6	0.01	59752	99.88
655	213	0.36	53679	89.73	**702**	46	0.08	58871	98.41	**749**	4	0.01	59756	99.88
656	164	0.27	53843	90.00	**703**	49	0.08	58920	98.49	**750**	3	0.01	59759	99.89
657	207	0.35	54050	90.35	**704**	50	0.08	58970	98.57	**751**	1	0.00	59760	99.89
658	188	0.31	54238	90.66	**705**	49	0.08	59019	98.65	**752**	6	0.01	59766	99.90
659	165	0.28	54403	90.94	**706**	47	0.08	59066	98.73	**753**	4	0.01	59770	99.91
660	193	0.32	54596	91.26	**707**	41	0.07	59107	98.80	**754**	2	0.00	59772	99.91
661	161	0.27	54757	91.53	**708**	36	0.06	59143	98.86	**755**	2	0.00	59774	99.91
662	160	0.27	54917	91.80	**709**	28	0.05	59171	98.91	**756**	4	0.01	59778	99.92
663	170	0.28	55087	92.08	**710**	30	0.05	59201	98.96	**757**	3	0.01	59781	99.93
664	162	0.27	55249	92.35	**711**	38	0.06	59239	99.02	**758**	4	0.01	59785	99.93
665	156	0.26	55405	92.61	**712**	23	0.04	59262	99.06	**759**	4	0.01	59789	99.94
666	129	0.22	55534	92.83	**713**	25	0.04	59287	99.10	**760**	1	0.00	59790	99.94
667	150	0.25	55684	93.08	**714**	28	0.05	59315	99.15	**761**	3	0.01	59793	99.95
668	154	0.26	55838	93.34	**715**	31	0.05	59346	99.20	**762**	1	0.00	59794	99.95
669	132	0.22	55970	93.56	**716**	23	0.04	59369	99.24	**764**	1	0.00	59795	99.95
670	127	0.21	56097	93.77	**717**	27	0.05	59396	99.28	**765**	1	0.00	59796	99.95
671	139	0.23	56236	94.00	**718**	25	0.04	59421	99.32	**766**	2	0.00	59798	99.95
672	125	0.21	56361	94.21	**719**	22	0.04	59443	99.36	**767**	1	0.00	59799	99.96
673	128	0.21	56489	94.42	**720**	18	0.03	59461	99.39	**768**	1	0.00	59800	99.96
674	135	0.23	56624	94.65	**721**	12	0.02	59473	99.41	**769**	1	0.00	59801	99.96
675	115	0.19	56739	94.84	**722**	21	0.04	59494	99.45	**770**	1	0.00	59802	99.96
676	119	0.20	56858	95.04	**723**	27	0.05	59521	99.49	**771**	1	0.00	59803	99.96
677	113	0.19	56971	95.23	**724**	14	0.02	59535	99.52	**772**	2	0.00	59805	99.97
678	113	0.19	57084	95.42	**725**	19	0.03	59554	99.55	**775**	2	0.00	59807	99.97
679	114	0.19	57198	95.61	**726**	19	0.03	59573	99.58	**777**	2	0.00	59809	99.97
680	101	0.17	57299	95.78	**727**	12	0.02	59585	99.60	**780**	1	0.00	59810	99.97
681	87	0.15	57386	95.92	**728**	10	0.02	59595	99.62	**781**	1	0.00	59811	99.98
682	96	0.16	57482	96.08	**729**	12	0.02	59607	99.64	**784**	2	0.00	59813	99.98
683	89	0.15	57571	96.23	**730**	9	0.02	59616	99.65	**786**	1	0.00	59814	99.98
684	98	0.16	57669	96.40	**731**	9	0.02	59625	99.67	**787**	1	0.00	59815	99.98
685	84	0.14	57753	96.54	**732**	13	0.02	59638	99.69	**789**	1	0.00	59816	99.98
686	97	0.16	57850	96.70	**733**	10	0.02	59648	99.70	**797**	1	0.00	59817	99.99

Table 183. Mathematics 9 Scale Score Distribution (Concluded)

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

SS	Freq.	%	Cum. Freq.	Cum. %
799	1	0.00	59818	99.99
811	1	0.00	59819	99.99
812	1	0.00	59820	99.99
819	1	0.00	59821	99.99
820	1	0.00	59822	99.99
823	1	0.00	59823	100.00
839	1	0.00	59824	100.00
859	1	0.00	59825	100.00

Table 184. Reading 10 Scale Score Distribution

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

SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %
370	294	0.54	294	0.54	**448**	2	0.00	376	0.69	**501**	10	0.02	570	1.04
371	1	0.00	295	0.54	**449**	2	0.00	378	0.69	**502**	6	0.01	576	1.05
372	1	0.00	296	0.54	**450**	2	0.00	380	0.69	**503**	3	0.01	579	1.06
373	2	0.00	298	0.54	**451**	3	0.01	383	0.70	**504**	8	0.01	587	1.07
374	1	0.00	299	0.55	**452**	2	0.00	385	0.70	**505**	9	0.02	596	1.09
375	2	0.00	301	0.55	**453**	2	0.00	387	0.71	**506**	8	0.01	604	1.10
378	4	0.01	305	0.56	**454**	1	0.00	388	0.71	**507**	15	0.03	619	1.13
379	1	0.00	306	0.56	**455**	4	0.01	392	0.72	**508**	8	0.01	627	1.15
381	1	0.00	307	0.56	**456**	5	0.01	397	0.73	**509**	7	0.01	634	1.16
382	3	0.01	310	0.57	**457**	1	0.00	398	0.73	**510**	8	0.01	642	1.17
384	1	0.00	311	0.57	**458**	3	0.01	401	0.73	**511**	5	0.01	647	1.18
385	2	0.00	313	0.57	**459**	4	0.01	405	0.74	**512**	8	0.01	655	1.20
386	1	0.00	314	0.57	**461**	2	0.00	407	0.74	**513**	14	0.03	669	1.22
387	2	0.00	316	0.58	**463**	3	0.01	410	0.75	**514**	9	0.02	678	1.24
389	1	0.00	317	0.58	**464**	1	0.00	411	0.75	**515**	9	0.02	687	1.26
390	4	0.01	321	0.59	**466**	2	0.00	413	0.76	**516**	7	0.01	694	1.27
391	4	0.01	325	0.59	**467**	2	0.00	415	0.76	**517**	8	0.01	702	1.28
393	1	0.00	326	0.60	**468**	2	0.00	417	0.76	**518**	13	0.02	715	1.31
394	1	0.00	327	0.60	**469**	2	0.00	419	0.77	**519**	13	0.02	728	1.33
396	1	0.00	328	0.60	**470**	5	0.01	424	0.78	**520**	12	0.02	740	1.35
398	1	0.00	329	0.60	**471**	2	0.00	426	0.78	**521**	18	0.03	758	1.39
399	1	0.00	330	0.60	**472**	3	0.01	429	0.78	**522**	10	0.02	768	1.40
402	1	0.00	331	0.61	**473**	1	0.00	430	0.79	**523**	17	0.03	785	1.44
403	2	0.00	333	0.61	**474**	3	0.01	433	0.79	**524**	10	0.02	795	1.45
406	1	0.00	334	0.61	**475**	4	0.01	437	0.80	**525**	13	0.02	808	1.48
408	1	0.00	335	0.61	**476**	5	0.01	442	0.81	**526**	10	0.02	818	1.50
409	1	0.00	336	0.61	**477**	2	0.00	444	0.81	**527**	8	0.01	826	1.51
411	2	0.00	338	0.62	**478**	1	0.00	445	0.81	**528**	13	0.02	839	1.53
412	1	0.00	339	0.62	**479**	3	0.01	448	0.82	**529**	10	0.02	849	1.55
413	1	0.00	340	0.62	**480**	4	0.01	452	0.83	**530**	15	0.03	864	1.58
414	1	0.00	341	0.62	**481**	2	0.00	454	0.83	**531**	16	0.03	880	1.61
417	3	0.01	344	0.63	**482**	4	0.01	458	0.84	**532**	16	0.03	896	1.64
418	3	0.01	347	0.63	**483**	5	0.01	463	0.85	**533**	13	0.02	909	1.66
419	2	0.00	349	0.64	**484**	10	0.02	473	0.86	**534**	15	0.03	924	1.69
420	1	0.00	350	0.64	**485**	4	0.01	477	0.87	**535**	12	0.02	936	1.71
421	2	0.00	352	0.64	**486**	4	0.01	481	0.88	**536**	17	0.03	953	1.74
422	1	0.00	353	0.65	**487**	3	0.01	484	0.88	**537**	15	0.03	968	1.77
423	2	0.00	355	0.65	**488**	2	0.00	486	0.89	**538**	15	0.03	983	1.80
424	1	0.00	356	0.65	**489**	9	0.02	495	0.90	**539**	16	0.03	999	1.83
426	1	0.00	357	0.65	**490**	3	0.01	498	0.91	**540**	31	0.06	1030	1.88
427	3	0.01	360	0.66	**491**	11	0.02	509	0.93	**541**	16	0.03	1046	1.91
429	3	0.01	363	0.66	**492**	5	0.01	514	0.94	**542**	21	0.04	1067	1.95
432	1	0.00	364	0.67	**493**	7	0.01	521	0.95	**543**	21	0.04	1088	1.99
435	1	0.00	365	0.67	**494**	2	0.00	523	0.96	**544**	19	0.03	1107	2.02
437	1	0.00	366	0.67	**495**	6	0.01	529	0.97	**545**	27	0.05	1134	2.07
439	1	0.00	367	0.67	**496**	3	0.01	532	0.97	**546**	17	0.03	1151	2.10
440	1	0.00	368	0.67	**497**	8	0.01	540	0.99	**547**	28	0.05	1179	2.16
443	2	0.00	370	0.68	**498**	4	0.01	544	0.99	**548**	31	0.06	1210	2.21
444	2	0.00	372	0.68	**499**	8	0.01	552	1.01	**549**	23	0.04	1233	2.25
446	2	0.00	374	0.68	**500**	8	0.01	560	1.02	**550**	20	0.04	1253	2.29

Table 184. Reading 10 Scale Score Distribution (Continued)

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

SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %
551	20	0.04	1273	2.33	**601**	110	0.20	4208	7.69	**651**	283	0.52	12516	22.88
552	29	0.05	1302	2.38	**602**	107	0.20	4315	7.89	**652**	265	0.48	12781	23.37
553	20	0.04	1322	2.42	**603**	113	0.21	4428	8.10	**653**	279	0.51	13060	23.88
554	45	0.08	1367	2.50	**604**	120	0.22	4548	8.31	**654**	285	0.52	13345	24.40
555	34	0.06	1401	2.56	**605**	100	0.18	4648	8.50	**655**	260	0.48	13605	24.87
556	42	0.08	1443	2.64	**606**	104	0.19	4752	8.69	**656**	304	0.56	13909	25.43
557	33	0.06	1476	2.70	**607**	93	0.17	4845	8.86	**657**	313	0.57	14222	26.00
558	35	0.06	1511	2.76	**608**	117	0.21	4962	9.07	**658**	295	0.54	14517	26.54
559	44	0.08	1555	2.84	**609**	105	0.19	5067	9.26	**659**	296	0.54	14813	27.08
560	30	0.05	1585	2.90	**610**	100	0.18	5167	9.45	**660**	301	0.55	15114	27.63
561	36	0.07	1621	2.96	**611**	98	0.18	5265	9.63	**661**	304	0.56	15418	28.19
562	38	0.07	1659	3.03	**612**	115	0.21	5380	9.84	**662**	305	0.56	15723	28.75
563	47	0.09	1706	3.12	**613**	132	0.24	5512	10.08	**663**	330	0.60	16053	29.35
564	33	0.06	1739	3.18	**614**	103	0.19	5615	10.27	**664**	329	0.60	16382	29.95
565	41	0.07	1780	3.25	**615**	139	0.25	5754	10.52	**665**	350	0.64	16732	30.59
566	44	0.08	1824	3.33	**616**	127	0.23	5881	10.75	**666**	363	0.66	17095	31.25
567	39	0.07	1863	3.41	**617**	130	0.24	6011	10.99	**667**	351	0.64	17446	31.90
568	45	0.08	1908	3.49	**618**	139	0.25	6150	11.24	**668**	338	0.62	17784	32.51
569	45	0.08	1953	3.57	**619**	137	0.25	6287	11.49	**669**	359	0.66	18143	33.17
570	32	0.06	1985	3.63	**620**	157	0.29	6444	11.78	**670**	394	0.72	18537	33.89
571	55	0.10	2040	3.73	**621**	143	0.26	6587	12.04	**671**	379	0.69	18916	34.58
572	42	0.08	2082	3.81	**622**	151	0.28	6738	12.32	**672**	367	0.67	19283	35.25
573	47	0.09	2129	3.89	**623**	165	0.30	6903	12.62	**673**	410	0.75	19693	36.00
574	52	0.10	2181	3.99	**624**	157	0.29	7060	12.91	**674**	394	0.72	20087	36.72
575	67	0.12	2248	4.11	**625**	160	0.29	7220	13.20	**675**	390	0.71	20477	37.44
576	56	0.10	2304	4.21	**626**	162	0.30	7382	13.50	**676**	422	0.77	20899	38.21
577	68	0.12	2372	4.34	**627**	141	0.26	7523	13.75	**677**	428	0.78	21327	38.99
578	57	0.10	2429	4.44	**628**	171	0.31	7694	14.07	**678**	364	0.67	21691	39.66
579	64	0.12	2493	4.56	**629**	157	0.29	7851	14.35	**679**	406	0.74	22097	40.40
580	70	0.13	2563	4.69	**630**	159	0.29	8010	14.64	**680**	433	0.79	22530	41.19
581	54	0.10	2617	4.78	**631**	171	0.31	8181	14.96	**681**	438	0.80	22968	41.99
582	62	0.11	2679	4.90	**632**	184	0.34	8365	15.29	**682**	396	0.72	23364	42.72
583	68	0.12	2747	5.02	**633**	193	0.35	8558	15.65	**683**	457	0.84	23821	43.55
584	73	0.13	2820	5.16	**634**	175	0.32	8733	15.97	**684**	445	0.81	24266	44.36
585	67	0.12	2887	5.28	**635**	179	0.33	8912	16.29	**685**	450	0.82	24716	45.19
586	63	0.12	2950	5.39	**636**	178	0.33	9090	16.62	**686**	460	0.84	25176	46.03
587	76	0.14	3026	5.53	**637**	208	0.38	9298	17.00	**687**	444	0.81	25620	46.84
588	79	0.14	3105	5.68	**638**	201	0.37	9499	17.37	**688**	411	0.75	26031	47.59
589	59	0.11	3164	5.78	**639**	216	0.39	9715	17.76	**689**	456	0.83	26487	48.42
590	94	0.17	3258	5.96	**640**	205	0.37	9920	18.14	**690**	451	0.82	26938	49.25
591	68	0.12	3326	6.08	**641**	178	0.33	10098	18.46	**691**	471	0.86	27409	50.11
592	97	0.18	3423	6.26	**642**	212	0.39	10310	18.85	**692**	433	0.79	27842	50.90
593	79	0.14	3502	6.40	**643**	220	0.40	10530	19.25	**693**	430	0.79	28272	51.69
594	79	0.14	3581	6.55	**644**	232	0.42	10762	19.68	**694**	460	0.84	28732	52.53
595	80	0.15	3661	6.69	**645**	234	0.43	10996	20.10	**695**	451	0.82	29183	53.35
596	81	0.15	3742	6.84	**646**	248	0.45	11244	20.56	**696**	488	0.89	29671	54.25
597	91	0.17	3833	7.01	**647**	233	0.43	11477	20.98	**697**	436	0.80	30107	55.04
598	81	0.15	3914	7.16	**648**	238	0.44	11715	21.42	**698**	473	0.86	30580	55.91
599	88	0.16	4002	7.32	**649**	240	0.44	11955	21.86	**699**	499	0.91	31079	56.82
600	96	0.18	4098	7.49	**650**	278	0.51	12233	22.37	**700**	455	0.83	31534	57.65

Table 184. Reading 10 Scale Score Distribution (Continued)

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

SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %
701	485	0.89	32019	58.54	**748**	207	0.38	50075	91.55	**795**	12	0.02	54457	99.56
702	494	0.90	32513	59.44	**749**	231	0.42	50306	91.97	**796**	14	0.03	54471	99.59
703	480	0.88	32993	60.32	**750**	215	0.39	50521	92.37	**797**	12	0.02	54483	99.61
704	472	0.86	33465	61.18	**751**	196	0.36	50717	92.72	**798**	12	0.02	54495	99.63
705	517	0.95	33982	62.13	**752**	205	0.37	50922	93.10	**799**	13	0.02	54508	99.65
706	447	0.82	34429	62.94	**753**	199	0.36	51121	93.46	**800**	10	0.02	54518	99.67
707	449	0.82	34878	63.77	**754**	188	0.34	51309	93.81	**801**	12	0.02	54530	99.69
708	462	0.84	35340	64.61	**755**	181	0.33	51490	94.14	**802**	7	0.01	54537	99.71
709	457	0.84	35797	65.45	**756**	198	0.36	51688	94.50	**803**	12	0.02	54549	99.73
710	486	0.89	36283	66.33	**757**	152	0.28	51840	94.78	**804**	6	0.01	54555	99.74
711	461	0.84	36744	67.18	**758**	146	0.27	51986	95.04	**805**	18	0.03	54573	99.77
712	465	0.85	37209	68.03	**759**	152	0.28	52138	95.32	**806**	9	0.02	54582	99.79
713	470	0.86	37679	68.89	**760**	116	0.21	52254	95.53	**807**	9	0.02	54591	99.81
714	464	0.85	38143	69.74	**761**	120	0.22	52374	95.75	**808**	8	0.01	54599	99.82
715	497	0.91	38640	70.64	**762**	146	0.27	52520	96.02	**809**	6	0.01	54605	99.83
716	416	0.76	39056	71.40	**763**	114	0.21	52634	96.23	**810**	3	0.01	54608	99.84
717	446	0.82	39502	72.22	**764**	132	0.24	52766	96.47	**811**	10	0.02	54618	99.86
718	409	0.75	39911	72.97	**765**	102	0.19	52868	96.66	**812**	9	0.02	54627	99.87
719	439	0.80	40350	73.77	**766**	99	0.18	52967	96.84	**813**	6	0.01	54633	99.88
720	416	0.76	40766	74.53	**767**	95	0.17	53062	97.01	**814**	4	0.01	54637	99.89
721	431	0.79	41197	75.32	**768**	91	0.17	53153	97.18	**815**	5	0.01	54642	99.90
722	425	0.78	41622	76.10	**769**	90	0.16	53243	97.34	**816**	5	0.01	54647	99.91
723	409	0.75	42031	76.84	**770**	102	0.19	53345	97.53	**817**	2	0.00	54649	99.91
724	401	0.73	42432	77.58	**771**	85	0.16	53430	97.68	**818**	3	0.01	54652	99.92
725	410	0.75	42842	78.33	**772**	92	0.17	53522	97.85	**819**	3	0.01	54655	99.92
726	392	0.72	43234	79.04	**773**	67	0.12	53589	97.97	**820**	3	0.01	54658	99.93
727	381	0.70	43615	79.74	**774**	62	0.11	53651	98.09	**821**	1	0.00	54659	99.93
728	374	0.68	43989	80.42	**775**	65	0.12	53716	98.21	**822**	3	0.01	54662	99.94
729	359	0.66	44348	81.08	**776**	60	0.11	53776	98.32	**823**	1	0.00	54663	99.94
730	384	0.70	44732	81.78	**777**	66	0.12	53842	98.44	**825**	2	0.00	54665	99.94
731	360	0.66	45092	82.44	**778**	71	0.13	53913	98.57	**826**	1	0.00	54666	99.94
732	341	0.62	45433	83.06	**779**	49	0.09	53962	98.66	**827**	2	0.00	54668	99.95
733	364	0.67	45797	83.73	**780**	47	0.09	54009	98.74	**828**	3	0.01	54671	99.95
734	329	0.60	46126	84.33	**781**	50	0.09	54059	98.83	**829**	3	0.01	54674	99.96
735	329	0.60	46455	84.93	**782**	46	0.08	54105	98.92	**830**	1	0.00	54675	99.96
736	315	0.58	46770	85.51	**783**	34	0.06	54139	98.98	**832**	2	0.00	54677	99.96
737	300	0.55	47070	86.06	**784**	43	0.08	54182	99.06	**833**	2	0.00	54679	99.97
738	298	0.54	47368	86.60	**785**	30	0.05	54212	99.11	**834**	2	0.00	54681	99.97
739	289	0.53	47657	87.13	**786**	29	0.05	54241	99.17	**835**	2	0.00	54683	99.97
740	312	0.57	47969	87.70	**787**	31	0.06	54272	99.22	**836**	1	0.00	54684	99.98
741	293	0.54	48262	88.24	**788**	24	0.04	54296	99.27	**837**	1	0.00	54685	99.98
742	278	0.51	48540	88.74	**789**	30	0.05	54326	99.32	**838**	1	0.00	54686	99.98
743	264	0.48	48804	89.23	**790**	28	0.05	54354	99.37	**839**	1	0.00	54687	99.98
744	275	0.50	49079	89.73	**791**	26	0.05	54380	99.42	**840**	2	0.00	54689	99.99
745	270	0.49	49349	90.22	**792**	29	0.05	54409	99.47	**841**	2	0.00	54691	99.99
746	269	0.49	49618	90.71	**793**	15	0.03	54424	99.50	**843**	1	0.00	54692	99.99
747	250	0.46	49868	91.17	**794**	21	0.04	54445	99.54	**844**	1	0.00	54693	99.99

Table 184. Reading 10 Scale Score Distribution (Concluded)

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

SS	Freq.	%	Cum. Freq.	Cum. %
848	1	0.00	54694	99.99
865	1	0.00	54695	100.00
876	1	0.00	54696	100.00
881	1	0.00	54697	100.00

Table 185. Writing 10 Scale Score Distribution

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

SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %
270	65	0.12	65	0.12	**335**	3	0.01	159	0.29	**385**	16	0.03	629	1.15
271	1	0.00	66	0.12	**336**	3	0.01	162	0.30	**386**	19	0.03	648	1.18
272	2	0.00	68	0.12	**337**	2	0.00	164	0.30	**387**	17	0.03	665	1.22
275	1	0.00	69	0.13	**338**	4	0.01	168	0.31	**388**	20	0.04	685	1.25
277	1	0.00	70	0.13	**339**	8	0.01	176	0.32	**389**	17	0.03	702	1.28
279	1	0.00	71	0.13	**340**	2	0.00	178	0.33	**390**	15	0.03	717	1.31
280	1	0.00	72	0.13	**341**	4	0.01	182	0.33	**391**	17	0.03	734	1.34
283	1	0.00	73	0.13	**342**	4	0.01	186	0.34	**392**	17	0.03	751	1.37
284	2	0.00	75	0.14	**343**	10	0.02	196	0.36	**393**	21	0.04	772	1.41
285	1	0.00	76	0.14	**344**	4	0.01	200	0.37	**394**	34	0.06	806	1.47
286	2	0.00	78	0.14	**345**	2	0.00	202	0.37	**395**	22	0.04	828	1.51
288	1	0.00	79	0.14	**346**	6	0.01	208	0.38	**396**	17	0.03	845	1.55
290	2	0.00	81	0.15	**347**	6	0.01	214	0.39	**397**	12	0.02	857	1.57
291	2	0.00	83	0.15	**348**	9	0.02	223	0.41	**398**	26	0.05	883	1.61
293	3	0.01	86	0.16	**349**	7	0.01	230	0.42	**399**	32	0.06	915	1.67
294	1	0.00	87	0.16	**350**	6	0.01	236	0.43	**400**	24	0.04	939	1.72
295	3	0.01	90	0.16	**351**	7	0.01	243	0.44	**401**	27	0.05	966	1.77
296	2	0.00	92	0.17	**352**	2	0.00	245	0.45	**402**	27	0.05	993	1.82
297	2	0.00	94	0.17	**353**	13	0.02	258	0.47	**403**	24	0.04	1017	1.86
298	2	0.00	96	0.18	**354**	6	0.01	264	0.48	**404**	28	0.05	1045	1.91
302	2	0.00	98	0.18	**355**	1	0.00	265	0.48	**405**	20	0.04	1065	1.95
303	1	0.00	99	0.18	**356**	16	0.03	281	0.51	**406**	31	0.06	1096	2.00
304	3	0.01	102	0.19	**357**	9	0.02	290	0.53	**407**	25	0.05	1121	2.05
305	2	0.00	104	0.19	**358**	17	0.03	307	0.56	**408**	24	0.04	1145	2.09
306	2	0.00	106	0.19	**359**	11	0.02	318	0.58	**409**	34	0.06	1179	2.16
307	1	0.00	107	0.20	**360**	10	0.02	328	0.60	**410**	30	0.05	1209	2.21
308	1	0.00	108	0.20	**361**	4	0.01	332	0.61	**411**	28	0.05	1237	2.26
310	1	0.00	109	0.20	**362**	12	0.02	344	0.63	**412**	30	0.05	1267	2.32
311	2	0.00	111	0.20	**363**	13	0.02	357	0.65	**413**	31	0.06	1298	2.37
312	2	0.00	113	0.21	**364**	9	0.02	366	0.67	**414**	40	0.07	1338	2.45
313	3	0.01	116	0.21	**365**	10	0.02	376	0.69	**415**	25	0.05	1363	2.49
314	1	0.00	117	0.21	**366**	7	0.01	383	0.70	**416**	26	0.05	1389	2.54
315	1	0.00	118	0.22	**367**	14	0.03	397	0.73	**417**	31	0.06	1420	2.60
317	1	0.00	119	0.22	**368**	5	0.01	402	0.74	**418**	33	0.06	1453	2.66
318	4	0.01	123	0.22	**369**	13	0.02	415	0.76	**419**	22	0.04	1475	2.70
319	2	0.00	125	0.23	**370**	10	0.02	425	0.78	**420**	34	0.06	1509	2.76
320	2	0.00	127	0.23	**371**	5	0.01	430	0.79	**421**	49	0.09	1558	2.85
321	1	0.00	128	0.23	**372**	12	0.02	442	0.81	**422**	47	0.09	1605	2.94
322	1	0.00	129	0.24	**373**	9	0.02	451	0.82	**423**	39	0.07	1644	3.01
324	2	0.00	131	0.24	**374**	9	0.02	460	0.84	**424**	50	0.09	1694	3.10
325	2	0.00	133	0.24	**375**	14	0.03	474	0.87	**425**	47	0.09	1741	3.18
326	6	0.01	139	0.25	**376**	21	0.04	495	0.91	**426**	45	0.08	1786	3.27
327	3	0.01	142	0.26	**377**	14	0.03	509	0.93	**427**	45	0.08	1831	3.35
328	1	0.00	143	0.26	**378**	12	0.02	521	0.95	**428**	44	0.08	1875	3.43
329	2	0.00	145	0.27	**379**	15	0.03	536	0.98	**429**	58	0.11	1933	3.53
330	1	0.00	146	0.27	**380**	18	0.03	554	1.01	**430**	57	0.10	1990	3.64
331	2	0.00	148	0.27	**381**	9	0.02	563	1.03	**431**	48	0.09	2038	3.73
332	4	0.01	152	0.28	**382**	15	0.03	578	1.06	**432**	62	0.11	2100	3.84
333	2	0.00	154	0.28	**383**	25	0.05	603	1.10	**433**	52	0.10	2152	3.94
334	2	0.00	156	0.29	**384**	10	0.02	613	1.12	**434**	53	0.10	2205	4.03

Table 185. Writing 10 Scale Score Distribution (Continued)

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

SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %
435	45	0.08	2250	4.11	**485**	117	0.21	6815	12.46	**535**	242	0.44	15223	27.84
436	71	0.13	2321	4.24	**486**	132	0.24	6947	12.70	**536**	243	0.44	15466	28.28
437	71	0.13	2392	4.37	**487**	123	0.22	7070	12.93	**537**	258	0.47	15724	28.75
438	62	0.11	2454	4.49	**488**	127	0.23	7197	13.16	**538**	236	0.43	15960	29.19
439	58	0.11	2512	4.59	**489**	138	0.25	7335	13.41	**539**	212	0.39	16172	29.57
440	65	0.12	2577	4.71	**490**	104	0.19	7439	13.60	**540**	239	0.44	16411	30.01
441	60	0.11	2637	4.82	**491**	136	0.25	7575	13.85	**541**	234	0.43	16645	30.44
442	66	0.12	2703	4.94	**492**	108	0.20	7683	14.05	**542**	227	0.42	16872	30.85
443	67	0.12	2770	5.07	**493**	122	0.22	7805	14.27	**543**	238	0.44	17110	31.29
444	86	0.16	2856	5.22	**494**	119	0.22	7924	14.49	**544**	237	0.43	17347	31.72
445	78	0.14	2934	5.37	**495**	138	0.25	8062	14.74	**545**	244	0.45	17591	32.17
446	77	0.14	3011	5.51	**496**	132	0.24	8194	14.98	**546**	253	0.46	17844	32.63
447	75	0.14	3086	5.64	**497**	144	0.26	8338	15.25	**547**	245	0.45	18089	33.08
448	70	0.13	3156	5.77	**498**	124	0.23	8462	15.47	**548**	234	0.43	18323	33.51
449	71	0.13	3227	5.90	**499**	143	0.26	8605	15.74	**549**	251	0.46	18574	33.97
450	76	0.14	3303	6.04	**500**	144	0.26	8749	16.00	**550**	249	0.46	18823	34.42
451	79	0.14	3382	6.18	**501**	164	0.30	8913	16.30	**551**	255	0.47	19078	34.89
452	77	0.14	3459	6.33	**502**	130	0.24	9043	16.54	**552**	233	0.43	19311	35.31
453	82	0.15	3541	6.48	**503**	165	0.30	9208	16.84	**553**	279	0.51	19590	35.82
454	76	0.14	3617	6.61	**504**	163	0.30	9371	17.14	**554**	263	0.48	19853	36.30
455	86	0.16	3703	6.77	**505**	165	0.30	9536	17.44	**555**	252	0.46	20105	36.77
456	79	0.14	3782	6.92	**506**	153	0.28	9689	17.72	**556**	293	0.54	20398	37.30
457	86	0.16	3868	7.07	**507**	155	0.28	9844	18.00	**557**	267	0.49	20665	37.79
458	84	0.15	3952	7.23	**508**	138	0.25	9982	18.25	**558**	274	0.50	20939	38.29
459	90	0.16	4042	7.39	**509**	167	0.31	10149	18.56	**559**	263	0.48	21202	38.77
460	98	0.18	4140	7.57	**510**	166	0.30	10315	18.86	**560**	276	0.50	21478	39.28
461	107	0.20	4247	7.77	**511**	174	0.32	10489	19.18	**561**	256	0.47	21734	39.74
462	88	0.16	4335	7.93	**512**	156	0.29	10645	19.47	**562**	283	0.52	22017	40.26
463	78	0.14	4413	8.07	**513**	168	0.31	10813	19.77	**563**	258	0.47	22275	40.73
464	100	0.18	4513	8.25	**514**	183	0.33	10996	20.11	**564**	262	0.48	22537	41.21
465	84	0.15	4597	8.41	**515**	177	0.32	11173	20.43	**565**	261	0.48	22798	41.69
466	112	0.20	4709	8.61	**516**	195	0.36	11368	20.79	**566**	281	0.51	23079	42.20
467	92	0.17	4801	8.78	**517**	194	0.35	11562	21.14	**567**	237	0.43	23316	42.64
468	93	0.17	4894	8.95	**518**	180	0.33	11742	21.47	**568**	278	0.51	23594	43.15
469	109	0.20	5003	9.15	**519**	182	0.33	11924	21.81	**569**	302	0.55	23896	43.70
470	110	0.20	5113	9.35	**520**	201	0.37	12125	22.17	**570**	277	0.51	24173	44.20
471	113	0.21	5226	9.56	**521**	184	0.34	12309	22.51	**571**	271	0.50	24444	44.70
472	96	0.18	5322	9.73	**522**	172	0.31	12481	22.82	**572**	303	0.55	24747	45.25
473	105	0.19	5427	9.92	**523**	190	0.35	12671	23.17	**573**	270	0.49	25017	45.75
474	106	0.19	5533	10.12	**524**	192	0.35	12863	23.52	**574**	270	0.49	25287	46.24
475	96	0.18	5629	10.29	**525**	193	0.35	13056	23.88	**575**	298	0.54	25585	46.79
476	112	0.20	5741	10.50	**526**	218	0.40	13274	24.27	**576**	294	0.54	25879	47.32
477	99	0.18	5840	10.68	**527**	209	0.38	13483	24.66	**577**	317	0.58	26196	47.90
478	113	0.21	5953	10.89	**528**	195	0.36	13678	25.01	**578**	288	0.53	26484	48.43
479	126	0.23	6079	11.12	**529**	206	0.38	13884	25.39	**579**	276	0.50	26760	48.94
480	122	0.22	6201	11.34	**530**	202	0.37	14086	25.76	**580**	274	0.50	27034	49.44
481	119	0.22	6320	11.56	**531**	201	0.37	14287	26.13	**581**	280	0.51	27314	49.95
482	123	0.22	6443	11.78	**532**	231	0.42	14518	26.55	**582**	260	0.48	27574	50.42
483	121	0.22	6564	12.00	**533**	238	0.44	14756	26.98	**583**	277	0.51	27851	50.93
484	134	0.25	6698	12.25	**534**	225	0.41	14981	27.40	**584**	289	0.53	28140	51.46

Table 185. Writing 10 Scale Score Distribution (Continued)

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

SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %
585	306	0.56	28446	52.02	**635**	217	0.40	41566	76.01	**685**	109	0.20	49771	91.02
586	260	0.48	28706	52.49	**636**	186	0.34	41752	76.35	**686**	116	0.21	49887	91.23
587	245	0.45	28951	52.94	**637**	201	0.37	41953	76.72	**687**	107	0.20	49994	91.42
588	293	0.54	29244	53.48	**638**	193	0.35	42146	77.07	**688**	111	0.20	50105	91.63
589	285	0.52	29529	54.00	**639**	222	0.41	42368	77.48	**689**	114	0.21	50219	91.83
590	321	0.59	29850	54.59	**640**	227	0.42	42595	77.89	**690**	102	0.19	50321	92.02
591	275	0.50	30125	55.09	**641**	210	0.38	42805	78.28	**691**	89	0.16	50410	92.18
592	277	0.51	30402	55.60	**642**	186	0.34	42991	78.62	**692**	114	0.21	50524	92.39
593	278	0.51	30680	56.10	**643**	206	0.38	43197	78.99	**693**	96	0.18	50620	92.57
594	261	0.48	30941	56.58	**644**	198	0.36	43395	79.36	**694**	103	0.19	50723	92.76
595	248	0.45	31189	57.03	**645**	195	0.36	43590	79.71	**695**	86	0.16	50809	92.91
596	296	0.54	31485	57.58	**646**	196	0.36	43786	80.07	**696**	89	0.16	50898	93.08
597	314	0.57	31799	58.15	**647**	200	0.37	43986	80.44	**697**	83	0.15	50981	93.23
598	285	0.52	32084	58.67	**648**	160	0.29	44146	80.73	**698**	94	0.17	51075	93.40
599	283	0.52	32367	59.19	**649**	207	0.38	44353	81.11	**699**	87	0.16	51162	93.56
600	302	0.55	32669	59.74	**650**	172	0.31	44525	81.42	**700**	78	0.14	51240	93.70
601	247	0.45	32916	60.19	**651**	193	0.35	44718	81.78	**701**	73	0.13	51313	93.84
602	314	0.57	33230	60.77	**652**	208	0.38	44926	82.16	**702**	65	0.12	51378	93.95
603	275	0.50	33505	61.27	**653**	161	0.29	45087	82.45	**703**	105	0.19	51483	94.15
604	289	0.53	33794	61.80	**654**	184	0.34	45271	82.79	**704**	79	0.14	51562	94.29
605	262	0.48	34056	62.28	**655**	171	0.31	45442	83.10	**705**	86	0.16	51648	94.45
606	291	0.53	34347	62.81	**656**	179	0.33	45621	83.43	**706**	72	0.13	51720	94.58
607	297	0.54	34644	63.35	**657**	192	0.35	45813	83.78	**707**	67	0.12	51787	94.70
608	256	0.47	34900	63.82	**658**	158	0.29	45971	84.07	**708**	63	0.12	51850	94.82
609	263	0.48	35163	64.30	**659**	176	0.32	46147	84.39	**709**	85	0.16	51935	94.97
610	288	0.53	35451	64.83	**660**	157	0.29	46304	84.68	**710**	80	0.15	52015	95.12
611	261	0.48	35712	65.31	**661**	148	0.27	46452	84.95	**711**	70	0.13	52085	95.25
612	287	0.52	35999	65.83	**662**	182	0.33	46634	85.28	**712**	77	0.14	52162	95.39
613	249	0.46	36248	66.29	**663**	179	0.33	46813	85.61	**713**	61	0.11	52223	95.50
614	268	0.49	36516	66.78	**664**	184	0.34	46997	85.94	**714**	76	0.14	52299	95.64
615	251	0.46	36767	67.24	**665**	164	0.30	47161	86.24	**715**	60	0.11	52359	95.75
616	258	0.47	37025	67.71	**666**	150	0.27	47311	86.52	**716**	43	0.08	52402	95.83
617	256	0.47	37281	68.18	**667**	158	0.29	47469	86.81	**717**	63	0.12	52465	95.94
618	262	0.48	37543	68.65	**668**	164	0.30	47633	87.11	**718**	58	0.11	52523	96.05
619	259	0.47	37802	69.13	**669**	134	0.25	47767	87.35	**719**	45	0.08	52568	96.13
620	276	0.50	38078	69.63	**670**	132	0.24	47899	87.59	**720**	52	0.10	52620	96.23
621	245	0.45	38323	70.08	**671**	138	0.25	48037	87.84	**721**	36	0.07	52656	96.29
622	247	0.45	38570	70.53	**672**	146	0.27	48183	88.11	**722**	57	0.10	52713	96.40
623	235	0.43	38805	70.96	**673**	126	0.23	48309	88.34	**723**	48	0.09	52761	96.48
624	219	0.40	39024	71.36	**674**	138	0.25	48447	88.59	**724**	47	0.09	52808	96.57
625	247	0.45	39271	71.81	**675**	117	0.21	48564	88.81	**725**	64	0.12	52872	96.69
626	248	0.45	39519	72.27	**676**	128	0.23	48692	89.04	**726**	49	0.09	52921	96.78
627	236	0.43	39755	72.70	**677**	131	0.24	48823	89.28	**727**	52	0.10	52973	96.87
628	246	0.45	40001	73.15	**678**	145	0.27	48968	89.55	**728**	45	0.08	53018	96.95
629	218	0.40	40219	73.55	**679**	115	0.21	49083	89.76	**729**	39	0.07	53057	97.02
630	233	0.43	40452	73.97	**680**	122	0.22	49205	89.98	**730**	35	0.06	53092	97.09
631	216	0.39	40668	74.37	**681**	112	0.20	49317	90.19	**731**	36	0.07	53128	97.15
632	211	0.39	40879	74.75	**682**	112	0.20	49429	90.39	**732**	32	0.06	53160	97.21
633	257	0.47	41136	75.22	**683**	112	0.20	49541	90.60	**733**	31	0.06	53191	97.27
634	213	0.39	41349	75.61	**684**	121	0.22	49662	90.82	**734**	33	0.06	53224	97.33

Table 185. Writing 10 Scale Score Distribution (Continued)

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

SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %
735	27	0.05	53251	97.38	**781**	14	0.03	54229	99.17	**827**	1	0.00	54508	99.68
736	38	0.07	53289	97.45	**782**	16	0.03	54245	99.20	**828**	1	0.00	54509	99.68
737	43	0.08	53332	97.53	**783**	9	0.02	54254	99.21	**830**	3	0.01	54512	99.69
738	32	0.06	53364	97.59	**784**	14	0.03	54268	99.24	**831**	5	0.01	54517	99.69
739	29	0.05	53393	97.64	**785**	6	0.01	54274	99.25	**832**	2	0.00	54519	99.70
740	30	0.05	53423	97.69	**786**	11	0.02	54285	99.27	**833**	9	0.02	54528	99.71
741	34	0.06	53457	97.76	**787**	7	0.01	54292	99.28	**834**	3	0.01	54531	99.72
742	27	0.05	53484	97.81	**788**	9	0.02	54301	99.30	**835**	3	0.01	54534	99.73
743	33	0.06	53517	97.87	**789**	8	0.01	54309	99.31	**836**	1	0.00	54535	99.73
744	25	0.05	53542	97.91	**790**	8	0.01	54317	99.33	**837**	12	0.02	54547	99.75
745	23	0.04	53565	97.95	**791**	9	0.02	54326	99.35	**838**	3	0.01	54550	99.75
746	31	0.06	53596	98.01	**792**	4	0.01	54330	99.35	**839**	1	0.00	54551	99.76
747	31	0.06	53627	98.07	**793**	9	0.02	54339	99.37	**840**	1	0.00	54552	99.76
748	33	0.06	53660	98.13	**794**	5	0.01	54344	99.38	**841**	4	0.01	54556	99.77
749	27	0.05	53687	98.18	**795**	8	0.01	54352	99.39	**842**	1	0.00	54557	99.77
750	26	0.05	53713	98.22	**796**	5	0.01	54357	99.40	**843**	5	0.01	54562	99.78
751	34	0.06	53747	98.29	**797**	6	0.01	54363	99.41	**844**	4	0.01	54566	99.78
752	29	0.05	53776	98.34	**798**	5	0.01	54368	99.42	**845**	1	0.00	54567	99.79
753	24	0.04	53800	98.38	**799**	6	0.01	54374	99.43	**846**	3	0.01	54570	99.79
754	17	0.03	53817	98.41	**800**	5	0.01	54379	99.44	**847**	1	0.00	54571	99.79
755	28	0.05	53845	98.47	**801**	8	0.01	54387	99.46	**848**	2	0.00	54573	99.80
756	17	0.03	53862	98.50	**802**	5	0.01	54392	99.47	**850**	4	0.01	54577	99.80
757	17	0.03	53879	98.53	**803**	11	0.02	54403	99.49	**852**	5	0.01	54582	99.81
758	15	0.03	53894	98.56	**804**	5	0.01	54408	99.50	**854**	1	0.00	54583	99.82
759	23	0.04	53917	98.60	**805**	2	0.00	54410	99.50	**855**	5	0.01	54588	99.82
760	16	0.03	53933	98.63	**806**	2	0.00	54412	99.50	**857**	1	0.00	54589	99.83
761	18	0.03	53951	98.66	**807**	8	0.01	54420	99.52	**858**	3	0.01	54592	99.83
762	19	0.03	53970	98.69	**808**	5	0.01	54425	99.53	**859**	4	0.01	54596	99.84
763	18	0.03	53988	98.73	**809**	6	0.01	54431	99.54	**862**	4	0.01	54600	99.85
764	24	0.04	54012	98.77	**810**	8	0.01	54439	99.55	**868**	5	0.01	54605	99.86
765	12	0.02	54024	98.79	**811**	4	0.01	54443	99.56	**869**	2	0.00	54607	99.86
766	14	0.03	54038	98.82	**812**	6	0.01	54449	99.57	**870**	1	0.00	54608	99.86
767	21	0.04	54059	98.86	**813**	3	0.01	54452	99.58	**871**	1	0.00	54609	99.86
768	13	0.02	54072	98.88	**814**	9	0.02	54461	99.59	**878**	1	0.00	54610	99.86
769	13	0.02	54085	98.90	**815**	1	0.00	54462	99.59	**888**	1	0.00	54611	99.87
770	15	0.03	54100	98.93	**816**	6	0.01	54468	99.61	**889**	1	0.00	54612	99.87
771	9	0.02	54109	98.95	**817**	3	0.01	54471	99.61	**890**	4	0.01	54616	99.88
772	16	0.03	54125	98.98	**818**	9	0.02	54480	99.63	**891**	5	0.01	54621	99.88
773	10	0.02	54135	99.00	**819**	8	0.01	54488	99.64	**894**	1	0.00	54622	99.89
774	10	0.02	54145	99.01	**820**	8	0.01	54496	99.66	**895**	2	0.00	54624	99.89
775	9	0.02	54154	99.03	**821**	2	0.00	54498	99.66	**900**	17	0.03	54641	99.92
776	10	0.02	54164	99.05	**822**	2	0.00	54500	99.66	**905**	4	0.01	54645	99.93
777	11	0.02	54175	99.07	**823**	1	0.00	54501	99.67	**908**	1	0.00	54646	99.93
778	12	0.02	54187	99.09	**824**	2	0.00	54503	99.67	**915**	1	0.00	54647	99.93
779	13	0.02	54200	99.11	**825**	2	0.00	54505	99.67	**922**	1	0.00	54648	99.93
780	15	0.03	54215	99.14	**826**	2	0.00	54507	99.68	**924**	2	0.00	54650	99.94

Table 185. Writing 10 Scale Score Distribution (Concluded)

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

SS	Freq.	%	Cum. Freq.	Cum. %
932	1	0.00	54651	99.94
934	13	0.02	54664	99.96
950	20	0.04	54684	100.00

Table 186. Mathematics 10 Scale Score Distribution

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

SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %
370	740	1.35	740	1.35	**420**	26	0.05	1555	2.83	**470**	77	0.14	3753	6.83
371	9	0.02	749	1.36	**421**	21	0.04	1576	2.87	**471**	69	0.13	3822	6.95
372	12	0.02	761	1.38	**422**	30	0.05	1606	2.92	**472**	85	0.15	3907	7.11
373	9	0.02	770	1.40	**423**	20	0.04	1626	2.96	**473**	78	0.14	3985	7.25
374	17	0.03	787	1.43	**424**	28	0.05	1654	3.01	**474**	77	0.14	4062	7.39
375	7	0.01	794	1.44	**425**	29	0.05	1683	3.06	**475**	72	0.13	4134	7.52
376	14	0.03	808	1.47	**426**	36	0.07	1719	3.13	**476**	80	0.15	4214	7.67
377	10	0.02	818	1.49	**427**	22	0.04	1741	3.17	**477**	78	0.14	4292	7.81
378	13	0.02	831	1.51	**428**	26	0.05	1767	3.21	**478**	85	0.15	4377	7.96
379	13	0.02	844	1.54	**429**	38	0.07	1805	3.28	**479**	70	0.13	4447	8.09
380	9	0.02	853	1.55	**430**	30	0.05	1835	3.34	**480**	100	0.18	4547	8.27
381	8	0.01	861	1.57	**431**	26	0.05	1861	3.39	**481**	87	0.16	4634	8.43
382	12	0.02	873	1.59	**432**	28	0.05	1889	3.44	**482**	64	0.12	4698	8.55
383	11	0.02	884	1.61	**433**	32	0.06	1921	3.49	**483**	92	0.17	4790	8.71
384	13	0.02	897	1.63	**434**	39	0.07	1960	3.57	**484**	94	0.17	4884	8.89
385	9	0.02	906	1.65	**435**	29	0.05	1989	3.62	**485**	101	0.18	4985	9.07
386	14	0.03	920	1.67	**436**	34	0.06	2023	3.68	**486**	111	0.20	5096	9.27
387	20	0.04	940	1.71	**437**	39	0.07	2062	3.75	**487**	83	0.15	5179	9.42
388	10	0.02	950	1.73	**438**	26	0.05	2088	3.80	**488**	96	0.17	5275	9.60
389	12	0.02	962	1.75	**439**	32	0.06	2120	3.86	**489**	110	0.20	5385	9.80
390	11	0.02	973	1.77	**440**	27	0.05	2147	3.91	**490**	93	0.17	5478	9.97
391	16	0.03	989	1.80	**441**	38	0.07	2185	3.97	**491**	114	0.21	5592	10.17
392	10	0.02	999	1.82	**442**	39	0.07	2224	4.05	**492**	114	0.21	5706	10.38
393	15	0.03	1014	1.84	**443**	34	0.06	2258	4.11	**493**	124	0.23	5830	10.61
394	16	0.03	1030	1.87	**444**	37	0.07	2295	4.18	**494**	103	0.19	5933	10.79
395	15	0.03	1045	1.90	**445**	42	0.08	2337	4.25	**495**	108	0.20	6041	10.99
396	21	0.04	1066	1.94	**446**	32	0.06	2369	4.31	**496**	104	0.19	6145	11.18
397	9	0.02	1075	1.96	**447**	43	0.08	2412	4.39	**497**	129	0.23	6274	11.41
398	18	0.03	1093	1.99	**448**	44	0.08	2456	4.47	**498**	115	0.21	6389	11.62
399	13	0.02	1106	2.01	**449**	44	0.08	2500	4.55	**499**	142	0.26	6531	11.88
400	20	0.04	1126	2.05	**450**	47	0.09	2547	4.63	**500**	120	0.22	6651	12.10
401	17	0.03	1143	2.08	**451**	43	0.08	2590	4.71	**501**	118	0.21	6769	12.31
402	17	0.03	1160	2.11	**452**	49	0.09	2639	4.80	**502**	123	0.22	6892	12.54
403	14	0.03	1174	2.14	**453**	56	0.10	2695	4.90	**503**	134	0.24	7026	12.78
404	20	0.04	1194	2.17	**454**	44	0.08	2739	4.98	**504**	122	0.22	7148	13.00
405	24	0.04	1218	2.22	**455**	48	0.09	2787	5.07	**505**	144	0.26	7292	13.27
406	18	0.03	1236	2.25	**456**	53	0.10	2840	5.17	**506**	147	0.27	7439	13.53
407	18	0.03	1254	2.28	**457**	65	0.12	2905	5.28	**507**	139	0.25	7578	13.79
408	19	0.03	1273	2.32	**458**	57	0.10	2962	5.39	**508**	138	0.25	7716	14.04
409	20	0.04	1293	2.35	**459**	51	0.09	3013	5.48	**509**	168	0.31	7884	14.34
410	22	0.04	1315	2.39	**460**	75	0.14	3088	5.62	**510**	157	0.29	8041	14.63
411	19	0.03	1334	2.43	**461**	57	0.10	3145	5.72	**511**	174	0.32	8215	14.94
412	26	0.05	1360	2.47	**462**	56	0.10	3201	5.82	**512**	143	0.26	8358	15.20
413	25	0.05	1385	2.52	**463**	62	0.11	3263	5.94	**513**	153	0.28	8511	15.48
414	26	0.05	1411	2.57	**464**	58	0.11	3321	6.04	**514**	146	0.27	8657	15.75
415	23	0.04	1434	2.61	**465**	74	0.13	3395	6.18	**515**	152	0.28	8809	16.03
416	25	0.05	1459	2.65	**466**	66	0.12	3461	6.30	**516**	147	0.27	8956	16.29
417	28	0.05	1487	2.71	**467**	72	0.13	3533	6.43	**517**	179	0.33	9135	16.62
418	22	0.04	1509	2.75	**468**	69	0.13	3602	6.55	**518**	145	0.26	9280	16.88
419	20	0.04	1529	2.78	**469**	74	0.13	3676	6.69	**519**	163	0.30	9443	17.18

Table 186. Mathematics 10 Scale Score Distribution (Continued)

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

SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %
520	160	0.29	9603	17.47	**570**	268	0.49	20835	37.90	**620**	307	0.56	35937	65.38
521	159	0.29	9762	17.76	**571**	254	0.46	21089	38.37	**621**	287	0.52	36224	65.90
522	187	0.34	9949	18.10	**572**	302	0.55	21391	38.91	**622**	309	0.56	36533	66.46
523	186	0.34	10135	18.44	**573**	265	0.48	21656	39.40	**623**	311	0.57	36844	67.03
524	169	0.31	10304	18.75	**574**	320	0.58	21976	39.98	**624**	309	0.56	37153	67.59
525	171	0.31	10475	19.06	**575**	297	0.54	22273	40.52	**625**	312	0.57	37465	68.16
526	181	0.33	10656	19.39	**576**	294	0.53	22567	41.05	**626**	325	0.59	37790	68.75
527	196	0.36	10852	19.74	**577**	248	0.45	22815	41.51	**627**	295	0.54	38085	69.28
528	203	0.37	11055	20.11	**578**	291	0.53	23106	42.03	**628**	344	0.63	38429	69.91
529	172	0.31	11227	20.42	**579**	295	0.54	23401	42.57	**629**	298	0.54	38727	70.45
530	199	0.36	11426	20.79	**580**	276	0.50	23677	43.07	**630**	287	0.52	39014	70.97
531	184	0.33	11610	21.12	**581**	291	0.53	23968	43.60	**631**	319	0.58	39333	71.55
532	216	0.39	11826	21.51	**582**	299	0.54	24267	44.15	**632**	264	0.48	39597	72.04
533	194	0.35	12020	21.87	**583**	281	0.51	24548	44.66	**633**	275	0.50	39872	72.54
534	200	0.36	12220	22.23	**584**	289	0.53	24837	45.18	**634**	310	0.56	40182	73.10
535	211	0.38	12431	22.61	**585**	285	0.52	25122	45.70	**635**	307	0.56	40489	73.66
536	205	0.37	12636	22.99	**586**	316	0.57	25438	46.28	**636**	287	0.52	40776	74.18
537	195	0.35	12831	23.34	**587**	299	0.54	25737	46.82	**637**	291	0.53	41067	74.71
538	218	0.40	13049	23.74	**588**	273	0.50	26010	47.32	**638**	270	0.49	41337	75.20
539	229	0.42	13278	24.16	**589**	288	0.52	26298	47.84	**639**	291	0.53	41628	75.73
540	216	0.39	13494	24.55	**590**	311	0.57	26609	48.41	**640**	275	0.50	41903	76.23
541	194	0.35	13688	24.90	**591**	301	0.55	26910	48.95	**641**	275	0.50	42178	76.73
542	226	0.41	13914	25.31	**592**	338	0.61	27248	49.57	**642**	276	0.50	42454	77.23
543	237	0.43	14151	25.74	**593**	320	0.58	27568	50.15	**643**	275	0.50	42729	77.73
544	202	0.37	14353	26.11	**594**	309	0.56	27877	50.71	**644**	253	0.46	42982	78.19
545	204	0.37	14557	26.48	**595**	312	0.57	28189	51.28	**645**	256	0.47	43238	78.66
546	245	0.45	14802	26.93	**596**	315	0.57	28504	51.85	**646**	304	0.55	43542	79.21
547	240	0.44	15042	27.36	**597**	289	0.53	28793	52.38	**647**	298	0.54	43840	79.75
548	251	0.46	15293	27.82	**598**	320	0.58	29113	52.96	**648**	257	0.47	44097	80.22
549	245	0.45	15538	28.27	**599**	292	0.53	29405	53.49	**649**	268	0.49	44365	80.71
550	219	0.40	15757	28.67	**600**	298	0.54	29703	54.04	**650**	233	0.42	44598	81.13
551	225	0.41	15982	29.07	**601**	288	0.52	29991	54.56	**651**	245	0.45	44843	81.58
552	246	0.45	16228	29.52	**602**	300	0.55	30291	55.11	**652**	251	0.46	45094	82.04
553	258	0.47	16486	29.99	**603**	319	0.58	30610	55.69	**653**	216	0.39	45310	82.43
554	235	0.43	16721	30.42	**604**	319	0.58	30929	56.27	**654**	262	0.48	45572	82.90
555	243	0.44	16964	30.86	**605**	289	0.53	31218	56.79	**655**	250	0.45	45822	83.36
556	249	0.45	17213	31.31	**606**	308	0.56	31526	57.35	**656**	189	0.34	46011	83.70
557	239	0.43	17452	31.75	**607**	319	0.58	31845	57.93	**657**	227	0.41	46238	84.12
558	257	0.47	17709	32.22	**608**	316	0.57	32161	58.51	**658**	252	0.46	46490	84.57
559	259	0.47	17968	32.69	**609**	288	0.52	32449	59.03	**659**	228	0.41	46718	84.99
560	260	0.47	18228	33.16	**610**	355	0.65	32804	59.68	**660**	210	0.38	46928	85.37
561	273	0.50	18501	33.66	**611**	317	0.58	33121	60.25	**661**	230	0.42	47158	85.79
562	273	0.50	18774	34.15	**612**	335	0.61	33456	60.86	**662**	214	0.39	47372	86.18
563	265	0.48	19039	34.64	**613**	309	0.56	33765	61.43	**663**	205	0.37	47577	86.55
564	271	0.49	19310	35.13	**614**	278	0.51	34043	61.93	**664**	203	0.37	47780	86.92
565	232	0.42	19542	35.55	**615**	304	0.55	34347	62.48	**665**	214	0.39	47994	87.31
566	258	0.47	19800	36.02	**616**	333	0.61	34680	63.09	**666**	194	0.35	48188	87.66
567	246	0.45	20046	36.47	**617**	320	0.58	35000	63.67	**667**	201	0.37	48389	88.03
568	273	0.50	20319	36.96	**618**	288	0.52	35288	64.20	**668**	184	0.33	48573	88.36
569	248	0.45	20567	37.42	**619**	342	0.62	35630	64.82	**669**	185	0.34	48758	88.70

Table 186. Mathematics 10 Scale Score Distribution (Concluded)

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

SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %
670	192	0.35	48950	89.05	**720**	43	0.08	54225	98.65	**770**	2	0.00	54915	99.90
671	174	0.32	49124	89.37	**721**	28	0.05	54253	98.70	**771**	3	0.01	54918	99.91
672	194	0.35	49318	89.72	**722**	36	0.07	54289	98.76	**772**	3	0.01	54921	99.91
673	197	0.36	49515	90.08	**723**	34	0.06	54323	98.82	**773**	4	0.01	54925	99.92
674	181	0.33	49696	90.41	**724**	26	0.05	54349	98.87	**774**	2	0.00	54927	99.92
675	174	0.32	49870	90.72	**725**	31	0.06	54380	98.93	**775**	5	0.01	54932	99.93
676	165	0.30	50035	91.02	**726**	23	0.04	54403	98.97	**778**	1	0.00	54933	99.93
677	164	0.30	50199	91.32	**727**	32	0.06	54435	99.03	**779**	1	0.00	54934	99.94
678	158	0.29	50357	91.61	**728**	25	0.05	54460	99.07	**780**	3	0.01	54937	99.94
679	151	0.27	50508	91.88	**729**	22	0.04	54482	99.11	**781**	2	0.00	54939	99.95
680	181	0.33	50689	92.21	**730**	29	0.05	54511	99.17	**782**	2	0.00	54941	99.95
681	145	0.26	50834	92.48	**731**	26	0.05	54537	99.21	**783**	1	0.00	54942	99.95
682	151	0.27	50985	92.75	**732**	22	0.04	54559	99.25	**784**	1	0.00	54943	99.95
683	130	0.24	51115	92.99	**733**	22	0.04	54581	99.29	**785**	4	0.01	54947	99.96
684	122	0.22	51237	93.21	**734**	14	0.03	54595	99.32	**786**	1	0.00	54948	99.96
685	133	0.24	51370	93.45	**735**	23	0.04	54618	99.36	**787**	1	0.00	54949	99.96
686	127	0.23	51497	93.68	**736**	19	0.03	54637	99.40	**788**	1	0.00	54950	99.97
687	116	0.21	51613	93.89	**737**	23	0.04	54660	99.44	**789**	1	0.00	54951	99.97
688	125	0.23	51738	94.12	**738**	20	0.04	54680	99.47	**790**	1	0.00	54952	99.97
689	141	0.26	51879	94.38	**739**	16	0.03	54696	99.50	**791**	2	0.00	54954	99.97
690	114	0.21	51993	94.59	**740**	20	0.04	54716	99.54	**795**	2	0.00	54956	99.98
691	127	0.23	52120	94.82	**741**	13	0.02	54729	99.56	**797**	1	0.00	54957	99.98
692	111	0.20	52231	95.02	**742**	14	0.03	54743	99.59	**798**	1	0.00	54958	99.98
693	112	0.20	52343	95.22	**743**	6	0.01	54749	99.60	**799**	1	0.00	54959	99.98
694	110	0.20	52453	95.42	**744**	14	0.03	54763	99.63	**800**	1	0.00	54960	99.98
695	111	0.20	52564	95.62	**745**	7	0.01	54770	99.64	**803**	1	0.00	54961	99.99
696	105	0.19	52669	95.82	**746**	3	0.01	54773	99.64	**806**	1	0.00	54962	99.99
697	74	0.13	52743	95.95	**747**	10	0.02	54783	99.66	**807**	1	0.00	54963	99.99
698	100	0.18	52843	96.13	**748**	8	0.01	54791	99.68	**812**	1	0.00	54964	99.99
699	82	0.15	52925	96.28	**749**	7	0.01	54798	99.69	**821**	2	0.00	54966	99.99
700	98	0.18	53023	96.46	**750**	16	0.03	54814	99.72	**824**	1	0.00	54967	100.00
701	93	0.17	53116	96.63	**751**	13	0.02	54827	99.74	**829**	1	0.00	54968	100.00
702	84	0.15	53200	96.78	**752**	4	0.01	54831	99.75	**877**	1	0.00	54969	100.00
703	70	0.13	53270	96.91	**753**	4	0.01	54835	99.76					
704	94	0.17	53364	97.08	**754**	6	0.01	54841	99.77					
705	61	0.11	53425	97.19	**755**	5	0.01	54846	99.78					
706	63	0.11	53488	97.31	**756**	9	0.02	54855	99.79					
707	68	0.12	53556	97.43	**757**	12	0.02	54867	99.81					
708	66	0.12	53622	97.55	**758**	4	0.01	54871	99.82					
709	57	0.10	53679	97.65	**759**	5	0.01	54876	99.83					
710	69	0.13	53748	97.78	**760**	7	0.01	54883	99.84					
711	63	0.11	53811	97.89	**761**	3	0.01	54886	99.85					
712	55	0.10	53866	97.99	**762**	4	0.01	54890	99.86					
713	40	0.07	53906	98.07	**763**	2	0.00	54892	99.86					
714	43	0.08	53949	98.14	**764**	4	0.01	54896	99.87					
715	49	0.09	53998	98.23	**765**	2	0.00	54898	99.87					
716	50	0.09	54048	98.32	**766**	4	0.01	54902	99.88					
717	46	0.08	54094	98.41	**767**	4	0.01	54906	99.89					
718	38	0.07	54132	98.48	**768**	5	0.01	54911	99.89					
719	50	0.09	54182	98.57	**769**	2	0.00	54913	99.90					

Table 187. Science 10 Scale Score Distribution

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

SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %
300	623	1.13	623	1.13	**350**	33	0.06	1353	2.46	**400**	82	0.15	3588	6.52
301	9	0.02	632	1.15	**351**	25	0.05	1378	2.51	**401**	90	0.16	3678	6.69
302	8	0.01	640	1.16	**352**	21	0.04	1399	2.54	**402**	86	0.16	3764	6.84
303	4	0.01	644	1.17	**353**	28	0.05	1427	2.59	**403**	73	0.13	3837	6.98
304	7	0.01	651	1.18	**354**	22	0.04	1449	2.63	**404**	92	0.17	3929	7.14
305	7	0.01	658	1.20	**355**	24	0.04	1473	2.68	**405**	89	0.16	4018	7.31
306	8	0.01	666	1.21	**356**	34	0.06	1507	2.74	**406**	75	0.14	4093	7.44
307	7	0.01	673	1.22	**357**	33	0.06	1540	2.80	**407**	78	0.14	4171	7.58
308	10	0.02	683	1.24	**358**	35	0.06	1575	2.86	**408**	76	0.14	4247	7.72
309	6	0.01	689	1.25	**359**	39	0.07	1614	2.93	**409**	86	0.16	4333	7.88
310	19	0.03	708	1.29	**360**	24	0.04	1638	2.98	**410**	89	0.16	4422	8.04
311	12	0.02	720	1.31	**361**	34	0.06	1672	3.04	**411**	83	0.15	4505	8.19
312	7	0.01	727	1.32	**362**	34	0.06	1706	3.10	**412**	83	0.15	4588	8.34
313	8	0.01	735	1.34	**363**	34	0.06	1740	3.16	**413**	95	0.17	4683	8.51
314	5	0.01	740	1.35	**364**	33	0.06	1773	3.22	**414**	93	0.17	4776	8.68
315	10	0.02	750	1.36	**365**	39	0.07	1812	3.29	**415**	102	0.19	4878	8.87
316	9	0.02	759	1.38	**366**	35	0.06	1847	3.36	**416**	97	0.18	4975	9.04
317	17	0.03	776	1.41	**367**	44	0.08	1891	3.44	**417**	85	0.15	5060	9.20
318	7	0.01	783	1.42	**368**	36	0.07	1927	3.50	**418**	82	0.15	5142	9.35
319	9	0.02	792	1.44	**369**	43	0.08	1970	3.58	**419**	117	0.21	5259	9.56
320	10	0.02	802	1.46	**370**	33	0.06	2003	3.64	**420**	97	0.18	5356	9.74
321	12	0.02	814	1.48	**371**	50	0.09	2053	3.73	**421**	114	0.21	5470	9.94
322	7	0.01	821	1.49	**372**	37	0.07	2090	3.80	**422**	98	0.18	5568	10.12
323	12	0.02	833	1.51	**373**	45	0.08	2135	3.88	**423**	112	0.20	5680	10.33
324	21	0.04	854	1.55	**374**	45	0.08	2180	3.96	**424**	112	0.20	5792	10.53
325	18	0.03	872	1.59	**375**	47	0.09	2227	4.05	**425**	125	0.23	5917	10.76
326	21	0.04	893	1.62	**376**	51	0.09	2278	4.14	**426**	130	0.24	6047	10.99
327	9	0.02	902	1.64	**377**	36	0.07	2314	4.21	**427**	106	0.19	6153	11.19
328	11	0.02	913	1.66	**378**	35	0.06	2349	4.27	**428**	144	0.26	6297	11.45
329	14	0.03	927	1.69	**379**	41	0.07	2390	4.35	**429**	131	0.24	6428	11.69
330	17	0.03	944	1.72	**380**	55	0.10	2445	4.45	**430**	103	0.19	6531	11.87
331	11	0.02	955	1.74	**381**	55	0.10	2500	4.55	**431**	148	0.27	6679	12.14
332	14	0.03	969	1.76	**382**	51	0.09	2551	4.64	**432**	142	0.26	6821	12.40
333	12	0.02	981	1.78	**383**	62	0.11	2613	4.75	**433**	102	0.19	6923	12.59
334	12	0.02	993	1.81	**384**	37	0.07	2650	4.82	**434**	145	0.26	7068	12.85
335	19	0.03	1012	1.84	**385**	44	0.08	2694	4.90	**435**	131	0.24	7199	13.09
336	21	0.04	1033	1.88	**386**	58	0.11	2752	5.00	**436**	145	0.26	7344	13.35
337	20	0.04	1053	1.91	**387**	55	0.10	2807	5.10	**437**	160	0.29	7504	13.64
338	18	0.03	1071	1.95	**388**	71	0.13	2878	5.23	**438**	150	0.27	7654	13.92
339	18	0.03	1089	1.98	**389**	61	0.11	2939	5.34	**439**	161	0.29	7815	14.21
340	23	0.04	1112	2.02	**390**	57	0.10	2996	5.45	**440**	154	0.28	7969	14.49
341	23	0.04	1135	2.06	**391**	48	0.09	3044	5.53	**441**	155	0.28	8124	14.77
342	24	0.04	1159	2.11	**392**	49	0.09	3093	5.62	**442**	148	0.27	8272	15.04
343	17	0.03	1176	2.14	**393**	57	0.10	3150	5.73	**443**	166	0.30	8438	15.34
344	16	0.03	1192	2.17	**394**	61	0.11	3211	5.84	**444**	152	0.28	8590	15.62
345	31	0.06	1223	2.22	**395**	56	0.10	3267	5.94	**445**	164	0.30	8754	15.92
346	24	0.04	1247	2.27	**396**	46	0.08	3313	6.02	**446**	175	0.32	8929	16.23
347	34	0.06	1281	2.33	**397**	60	0.11	3373	6.13	**447**	159	0.29	9088	16.52
348	21	0.04	1302	2.37	**398**	70	0.13	3443	6.26	**448**	205	0.37	9293	16.90
349	18	0.03	1320	2.40	**399**	63	0.11	3506	6.37	**449**	157	0.29	9450	17.18

Table 187. Science 10 Scale Score Distribution (Continued)

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

SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %
450	193	0.35	9643	17.53	**500**	339	0.62	23136	42.06	**550**	351	0.64	43128	78.41
451	201	0.37	9844	17.90	**501**	357	0.65	23493	42.71	**551**	350	0.64	43478	79.05
452	176	0.32	10020	18.22	**502**	388	0.71	23881	43.42	**552**	357	0.65	43835	79.70
453	204	0.37	10224	18.59	**503**	372	0.68	24253	44.09	**553**	359	0.65	44194	80.35
454	184	0.33	10408	18.92	**504**	421	0.77	24674	44.86	**554**	358	0.65	44552	81.00
455	194	0.35	10602	19.28	**505**	371	0.67	25045	45.53	**555**	323	0.59	44875	81.59
456	191	0.35	10793	19.62	**506**	394	0.72	25439	46.25	**556**	333	0.61	45208	82.19
457	226	0.41	11019	20.03	**507**	393	0.71	25832	46.96	**557**	335	0.61	45543	82.80
458	209	0.38	11228	20.41	**508**	374	0.68	26206	47.64	**558**	341	0.62	45884	83.42
459	207	0.38	11435	20.79	**509**	410	0.75	26616	48.39	**559**	294	0.53	46178	83.96
460	204	0.37	11639	21.16	**510**	394	0.72	27010	49.11	**560**	304	0.55	46482	84.51
461	208	0.38	11847	21.54	**511**	459	0.83	27469	49.94	**561**	292	0.53	46774	85.04
462	201	0.37	12048	21.90	**512**	410	0.75	27879	50.69	**562**	276	0.50	47050	85.54
463	219	0.40	12267	22.30	**513**	439	0.80	28318	51.48	**563**	308	0.56	47358	86.10
464	237	0.43	12504	22.73	**514**	391	0.71	28709	52.20	**564**	302	0.55	47660	86.65
465	226	0.41	12730	23.14	**515**	399	0.73	29108	52.92	**565**	252	0.46	47912	87.11
466	252	0.46	12982	23.60	**516**	441	0.80	29549	53.72	**566**	264	0.48	48176	87.59
467	248	0.45	13230	24.05	**517**	403	0.73	29952	54.46	**567**	239	0.43	48415	88.02
468	240	0.44	13470	24.49	**518**	434	0.79	30386	55.24	**568**	262	0.48	48677	88.50
469	211	0.38	13681	24.87	**519**	438	0.80	30824	56.04	**569**	264	0.48	48941	88.98
470	245	0.45	13926	25.32	**520**	367	0.67	31191	56.71	**570**	226	0.41	49167	89.39
471	265	0.48	14191	25.80	**521**	400	0.73	31591	57.44	**571**	202	0.37	49369	89.76
472	239	0.43	14430	26.23	**522**	438	0.80	32029	58.23	**572**	212	0.39	49581	90.14
473	243	0.44	14673	26.68	**523**	411	0.75	32440	58.98	**573**	202	0.37	49783	90.51
474	266	0.48	14939	27.16	**524**	411	0.75	32851	59.73	**574**	232	0.42	50015	90.93
475	273	0.50	15212	27.66	**525**	407	0.74	33258	60.47	**575**	196	0.36	50211	91.29
476	255	0.46	15467	28.12	**526**	423	0.77	33681	61.23	**576**	200	0.36	50411	91.65
477	278	0.51	15745	28.63	**527**	397	0.72	34078	61.96	**577**	202	0.37	50613	92.02
478	274	0.50	16019	29.12	**528**	394	0.72	34472	62.67	**578**	184	0.33	50797	92.35
479	299	0.54	16318	29.67	**529**	373	0.68	34845	63.35	**579**	195	0.35	50992	92.71
480	287	0.52	16605	30.19	**530**	369	0.67	35214	64.02	**580**	191	0.35	51183	93.05
481	285	0.52	16890	30.71	**531**	475	0.86	35689	64.89	**581**	163	0.30	51346	93.35
482	294	0.53	17184	31.24	**532**	443	0.81	36132	65.69	**582**	153	0.28	51499	93.63
483	322	0.59	17506	31.83	**533**	398	0.72	36530	66.41	**583**	165	0.30	51664	93.93
484	320	0.58	17826	32.41	**534**	413	0.75	36943	67.17	**584**	148	0.27	51812	94.20
485	296	0.54	18122	32.95	**535**	401	0.73	37344	67.89	**585**	139	0.25	51951	94.45
486	282	0.51	18404	33.46	**536**	418	0.76	37762	68.65	**586**	150	0.27	52101	94.72
487	339	0.62	18743	34.08	**537**	425	0.77	38187	69.43	**587**	141	0.26	52242	94.98
488	305	0.55	19048	34.63	**538**	370	0.67	38557	70.10	**588**	131	0.24	52373	95.22
489	323	0.59	19371	35.22	**539**	407	0.74	38964	70.84	**589**	123	0.22	52496	95.44
490	311	0.57	19682	35.78	**540**	377	0.69	39341	71.53	**590**	109	0.20	52605	95.64
491	304	0.55	19986	36.34	**541**	393	0.71	39734	72.24	**591**	108	0.20	52713	95.84
492	344	0.63	20330	36.96	**542**	367	0.67	40101	72.91	**592**	122	0.22	52835	96.06
493	338	0.61	20668	37.58	**543**	400	0.73	40501	73.63	**593**	100	0.18	52935	96.24
494	335	0.61	21003	38.19	**544**	367	0.67	40868	74.30	**594**	112	0.20	53047	96.44
495	311	0.57	21314	38.75	**545**	350	0.64	41218	74.94	**595**	83	0.15	53130	96.59
496	409	0.74	21723	39.49	**546**	380	0.69	41598	75.63	**596**	91	0.17	53221	96.76
497	351	0.64	22074	40.13	**547**	390	0.71	41988	76.34	**597**	102	0.19	53323	96.95
498	374	0.68	22448	40.81	**548**	406	0.74	42394	77.08	**598**	105	0.19	53428	97.14
499	349	0.63	22797	41.45	**549**	383	0.70	42777	77.77	**599**	86	0.16	53514	97.29

Table 187. Science 10 Scale Score Distribution (Concluded)

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

SS	Freq.	%	Cum. Freq.	Cum. %	SS	Freq.	%	Cum. Freq.	Cum. %
600	75	0.14	53589	97.43	**650**	2	0.00	54957	99.92
601	73	0.13	53662	97.56	**651**	1	0.00	54958	99.92
602	64	0.12	53726	97.68	**652**	1	0.00	54959	99.92
603	82	0.15	53808	97.83	**653**	3	0.01	54962	99.93
604	71	0.13	53879	97.96	**654**	7	0.01	54969	99.94
605	62	0.11	53941	98.07	**655**	3	0.01	54972	99.94
606	60	0.11	54001	98.18	**656**	2	0.00	54974	99.95
607	60	0.11	54061	98.29	**657**	2	0.00	54976	99.95
608	42	0.08	54103	98.36	**659**	4	0.01	54980	99.96
609	64	0.12	54167	98.48	**660**	2	0.00	54982	99.96
610	51	0.09	54218	98.57	**661**	1	0.00	54983	99.96
611	53	0.10	54271	98.67	**663**	1	0.00	54984	99.97
612	49	0.09	54320	98.76	**664**	2	0.00	54986	99.97
613	40	0.07	54360	98.83	**666**	1	0.00	54987	99.97
614	48	0.09	54408	98.92	**667**	1	0.00	54988	99.97
615	30	0.05	54438	98.97	**668**	3	0.01	54991	99.98
616	34	0.06	54472	99.03	**671**	1	0.00	54992	99.98
617	33	0.06	54505	99.09	**672**	2	0.00	54994	99.98
618	29	0.05	54534	99.15	**673**	2	0.00	54996	99.99
619	27	0.05	54561	99.20	**676**	1	0.00	54997	99.99
620	26	0.05	54587	99.24	**681**	3	0.01	55000	99.99
621	26	0.05	54613	99.29	**689**	1	0.00	55001	100.00
622	29	0.05	54642	99.34	**720**	1	0.00	55002	100.00
623	19	0.03	54661	99.38	**742**	1	0.00	55003	100.00
624	31	0.06	54692	99.43					
625	28	0.05	54720	99.49					
626	22	0.04	54742	99.53					
627	17	0.03	54759	99.56					
628	22	0.04	54781	99.60					
629	19	0.03	54800	99.63					
630	16	0.03	54816	99.66					
631	20	0.04	54836	99.70					
632	13	0.02	54849	99.72					
633	7	0.01	54856	99.73					
634	9	0.02	54865	99.75					
635	12	0.02	54877	99.77					
636	9	0.02	54886	99.79					
637	8	0.01	54894	99.80					
638	8	0.01	54902	99.82					
639	7	0.01	54909	99.83					
640	6	0.01	54915	99.84					
641	6	0.01	54921	99.85					
642	5	0.01	54926	99.86					
643	3	0.01	54929	99.87					
644	3	0.01	54932	99.87					
645	4	0.01	54936	99.88					
646	4	0.01	54940	99.89					
647	6	0.01	54946	99.90					
648	6	0.01	54952	99.91					
649	3	0.01	54955	99.91					

Table 188. Scale Score Correlations by Content Standard and Subcontent Area, Reading Grade 3

Name	CS1	SA1_4	SA2	SA3	Total
Mean	555.5	557.1	555.1	595.5	555.5
STD	82.01	94.06	101.5	141.4	82.01
N	56196	56196	56196	56196	56196
CS1	1.000	0.900	0.894	0.759	1.000
SA1_4	0.900	1.000	0.723	0.615	0.900
SA2	0.894	0.723	1.000	0.610	0.894
SA3	0.759	0.615	0.610	1.000	0.759
Total	1.000	0.900	0.894	0.759	1.000

Table 189. Scale Score Correlations by Content Standard and Subcontent Area, Reading Grade 4

Name	CS1	CS4	CS5	CS6	SA1_4	SA2	SA3	Total
Mean	585.6	579.2	584.9	589.4	584.5	581.7	652.1	584.3
STD	80.72	95.70	93.25	90.14	75.54	99.01	182.8	70.31
N	56276	56276	56276	56276	56276	56276	56276	56276
CS1	1.000	0.751	0.733	0.740	0.880	0.847	0.680	0.932
CS4	0.751	1.000	0.678	0.692	0.844	0.754	0.543	0.852
CS5	0.733	0.678	1.000	0.659	0.733	0.679	0.546	0.830
CS6	0.740	0.692	0.659	1.000	0.876	0.680	0.563	0.847
SA1_4	0.880	0.844	0.733	0.876	1.000	0.758	0.593	0.951
SA2	0.847	0.754	0.679	0.680	0.758	1.000	0.536	0.849
SA3	0.680	0.543	0.546	0.563	0.593	0.536	1.000	0.670
Total	0.932	0.852	0.830	0.847	0.951	0.849	0.670	1.000

Table 190. Scale Score Correlations by Content Standard and Subcontent Area, Reading Grade 5

Name	CS1	CS4	CS5	CS6	SA1_4	SA2	SA3	Total
Mean	609.2	612.6	616.8	613.6	612.1	609.9	599.0	610.7
STD	84.63	98.30	98.20	86.18	77.74	89.72	155.8	69.46
N	56707	56707	56707	56707	56707	56707	56707	56707
CS1	1.000	0.718	0.710	0.750	0.837	0.853	0.701	0.911
CS4	0.718	1.000	0.645	0.685	0.818	0.780	0.551	0.834
CS5	0.710	0.645	1.000	0.673	0.712	0.687	0.541	0.830
CS6	0.750	0.685	0.673	1.000	0.892	0.760	0.550	0.876
SA1_4	0.837	0.818	0.712	0.892	1.000	0.764	0.590	0.935
SA2	0.853	0.780	0.687	0.760	0.764	1.000	0.559	0.875
SA3	0.701	0.551	0.541	0.550	0.590	0.559	1.000	0.681
Total	0.911	0.834	0.830	0.876	0.935	0.875	0.681	1.000

Table 191. Scale Score Correlations by Content Standard and Subcontent Area Reading Grade 6

Name	CS1	CS4	CS5	CS6	SA1_4	SA2	SA3	Total
Mean	622.4	628.5	622.4	621.0	622.8	622.0	651.1	623.7
STD	82.78	98.28	86.54	90.14	83.95	83.50	142.6	70.81
N	56320	56320	56320	56320	56320	56320	56320	56320
CS1	1.000	0.709	0.724	0.771	0.790	0.862	0.757	0.913
CS4	0.709	1.000	0.648	0.675	0.741	0.791	0.581	0.816
CS5	0.724	0.648	1.000	0.695	0.690	0.726	0.581	0.842
CS6	0.771	0.675	0.695	1.000	0.836	0.841	0.600	0.877
SA1_4	0.790	0.741	0.690	0.836	1.000	0.749	0.616	0.867
SA2	0.862	0.791	0.726	0.841	0.749	1.000	0.612	0.923
SA3	0.757	0.581	0.581	0.600	0.616	0.612	1.000	0.722
Total	0.913	0.816	0.842	0.877	0.867	0.923	0.722	1.000

Table 192. Scale Score Correlations by Content Standard and Subcontent Area, Reading Grade 7

Name	CS1	CS4	CS5	CS6	SA1	SA2	SA3	SA4	Total
Mean	634.2	638.3	635.6	638.7	636.5	619.0	657.1	639.3	635.9
STD	83.74	88.02	90.44	88.33	81.01	126.4	135.1	100.4	70.00
N	56765	56765	56765	56765	56765	56765	56765	56765	56765
CS1	1.000	0.751	0.730	0.752	0.826	0.757	0.762	0.738	0.918
CS4	0.751	1.000	0.685	0.712	0.849	0.665	0.623	0.709	0.865
CS5	0.730	0.685	1.000	0.685	0.710	0.626	0.592	0.653	0.842
CS6	0.752	0.712	0.685	1.000	0.846	0.614	0.602	0.809	0.863
SA1	0.826	0.849	0.710	0.846	1.000	0.637	0.628	0.698	0.911
SA2	0.757	0.665	0.626	0.614	0.637	1.000	0.520	0.589	0.751
SA3	0.762	0.623	0.592	0.602	0.628	0.520	1.000	0.570	0.738
SA4	0.738	0.709	0.653	0.809	0.698	0.589	0.570	1.000	0.810
Total	0.918	0.865	0.842	0.863	0.911	0.751	0.738	0.810	1.000

Table 193. Scale Score Correlations by Content Standard and Subcontent Area, Reading Grade 8

Name	CS1	CS4	CS5	CS6	SA1	SA2	SA3	SA4	Total
Mean	648.1	647.6	647.5	643.1	647.8	647.2	666.8	619.3	646.7
STD	70.60	77.39	77.53	83.71	79.66	73.99	123.2	129.5	61.75
N	57605	57605	57605	57605	57605	57605	57605	57605	57605
CS1	1.000	0.763	0.748	0.736	0.761	0.905	0.758	0.609	0.926
CS4	0.763	1.000	0.715	0.723	0.805	0.804	0.598	0.680	0.880
CS5	0.748	0.715	1.000	0.683	0.686	0.732	0.585	0.597	0.863
CS6	0.736	0.723	0.683	1.000	0.868	0.692	0.581	0.626	0.852
SA1	0.761	0.805	0.686	0.868	1.000	0.701	0.585	0.565	0.866
SA2	0.905	0.804	0.732	0.692	0.701	1.000	0.587	0.599	0.891
SA3	0.758	0.598	0.585	0.581	0.585	0.587	1.000	0.467	0.719
SA4	0.609	0.680	0.597	0.626	0.565	0.599	0.467	1.000	0.700
Total	0.926	0.880	0.863	0.852	0.866	0.891	0.719	0.700	1.000

Table 194. Scale Score Correlations by Content Standard and Subcontent Area, Reading Grade 9

Name	CS1	CS4	CS5	CS6	SA1	SA2	SA3	SA4	Total
Mean	660.0	656.0	658.8	660.9	664.5	657.9	682.9	661.6	659.5
STD	65.84	76.43	74.06	68.77	95.58	63.41	126.9	82.32	55.05
N	59530	59530	59530	59530	59530	59530	59530	59530	59530
CS1	1.000	0.726	0.711	0.723	0.638	0.909	0.708	0.674	0.909
CS4	0.726	1.000	0.667	0.692	0.661	0.818	0.558	0.669	0.841
CS5	0.711	0.667	1.000	0.667	0.583	0.718	0.571	0.622	0.827
CS6	0.723	0.692	0.667	1.000	0.781	0.728	0.569	0.855	0.855
SA1	0.638	0.661	0.583	0.781	1.000	0.626	0.518	0.567	0.746
SA2	0.909	0.818	0.718	0.728	0.626	1.000	0.581	0.683	0.920
SA3	0.708	0.558	0.571	0.569	0.518	0.581	1.000	0.518	0.694
SA4	0.674	0.669	0.622	0.855	0.567	0.683	0.518	1.000	0.787
Total	0.909	0.841	0.827	0.855	0.746	0.920	0.694	0.787	1.000

Table 195. Scale Score Correlations by Content Standard and Subcontent Area, Reading Grade 10

Name	CS1	CS4	CS5	CS6	SA1	SA2	SA3	SA4	Total
Mean	682.3	682.9	685.2	682.7	683.6	675.6	706.5	684.9	683.3
STD	70.45	71.62	74.22	73.14	67.33	84.99	122.7	115.7	57.76
N	54697	54697	54697	54697	54697	54697	54697	54697	54697
CS1	1.000	0.767	0.715	0.728	0.822	0.769	0.710	0.664	0.904
CS4	0.767	1.000	0.689	0.719	0.841	0.841	0.570	0.597	0.883
CS5	0.715	0.689	1.000	0.672	0.691	0.659	0.581	0.581	0.836
CS6	0.728	0.719	0.672	1.000	0.841	0.670	0.563	0.738	0.849
SA1	0.822	0.841	0.691	0.841	1.000	0.714	0.573	0.611	0.901
SA2	0.769	0.841	0.659	0.670	0.714	1.000	0.541	0.574	0.829
SA3	0.710	0.570	0.581	0.563	0.573	0.541	1.000	0.482	0.689
SA4	0.664	0.597	0.581	0.738	0.611	0.574	0.482	1.000	0.713
Total	0.904	0.883	0.836	0.849	0.901	0.829	0.689	0.713	1.000

Table 196. Scale Score Correlations by Content Standard and Subcontent Area, Writing Grade 3

Name	CS2	CS3	SA5	SA7	SA8	Total
Mean	469.2	474.7	470.5	482.9	490.9	468.6
STD	56.03	65.58	58.89	86.67	97.67	50.12
N	56258	56258	56258	56258	56258	56258
CS2	1.000	0.695	0.945	0.617	0.545	0.921
CS3	0.695	1.000	0.666	0.840	0.782	0.883
SA5	0.945	0.666	1.000	0.557	0.519	0.877
SA7	0.617	0.840	0.557	1.000	0.510	0.779
SA8	0.545	0.782	0.519	0.510	1.000	0.717
Total	0.921	0.883	0.877	0.779	0.717	1.000

Table 197. Scale Score Correlations by Content Standard and Subcontent Area, Writing Grade 4

Name	CS2	CS3	SA5	SA6	SA7	SA8	Total
Mean	484.1	488.5	487.0	494.1	493.1	505.2	482.8
STD	56.31	65.89	64.55	87.76	83.52	111.2	51.75
N	56279	56279	56279	56279	56279	56279	56279
CS2	1.000	0.698	0.888	0.767	0.641	0.546	0.940
CS3	0.698	1.000	0.640	0.468	0.889	0.743	0.872
SA5	0.888	0.640	1.000	0.521	0.585	0.512	0.844
SA6	0.767	0.468	0.521	1.000	0.410	0.373	0.688
SA7	0.641	0.889	0.585	0.410	1.000	0.513	0.800
SA8	0.546	0.743	0.512	0.373	0.513	1.000	0.680
Total	0.940	0.872	0.844	0.688	0.800	0.680	1.000

Table 198. Scale Score Correlations by Content Standard and Subcontent Area, Writing Grade 5

Name	CS2	CS3	SA5	SA6	SA7	SA8	Total
Mean	508.0	509.8	508.9	530.5	512.1	515.3	506.7
STD	60.54	63.58	65.90	112.9	73.22	93.07	55.15
N	56704	56704	56704	56704	56704	56704	56704
CS2	1.000	0.734	0.923	0.738	0.710	0.626	0.937
CS3	0.734	1.000	0.696	0.474	0.862	0.861	0.913
SA5	0.923	0.696	1.000	0.512	0.651	0.597	0.873
SA6	0.738	0.474	0.512	1.000	0.414	0.403	0.658
SA7	0.710	0.862	0.651	0.414	1.000	0.617	0.837
SA8	0.626	0.861	0.597	0.403	0.617	1.000	0.788
Total	0.937	0.913	0.873	0.658	0.837	0.788	1.000

Table 199. Scale Score Correlations by Content Standard and Subcontent Area, Writing Grade 6

Name	CS2	CS3	SA5	SA6	SA7	SA8	Total
Mean	528.5	529.7	529.7	539.4	531.2	532.6	526.8
STD	69.77	71.85	80.03	104.0	83.37	93.80	62.88
N	56380	56380	56380	56380	56380	56380	56380
CS2	1.000	0.734	0.890	0.701	0.707	0.701	0.916
CS3	0.734	1.000	0.652	0.452	0.908	0.823	0.934
SA5	0.890	0.652	1.000	0.494	0.610	0.594	0.813
SA6	0.701	0.452	0.494	1.000	0.400	0.402	0.602
SA7	0.707	0.908	0.610	0.400	1.000	0.658	0.877
SA8	0.701	0.823	0.594	0.402	0.658	1.000	0.817
Total	0.916	0.934	0.813	0.602	0.877	0.817	1.000

Table 200. Scale Score Correlations by Content Standard and Subcontent Area, Writing Grade 7

Name	CS2	CS3	SA5	SA6	SA7	SA8	Total
Mean	559.5	559.0	560.8	573.2	561.7	563.5	556.5
STD	78.29	80.78	88.85	105.0	93.85	102.8	71.12
N	56769	56769	56769	56769	56769	56769	56769
CS2	1.000	0.744	0.906	0.726	0.692	0.717	0.925
CS3	0.744	1.000	0.671	0.515	0.913	0.851	0.933
SA5	0.906	0.671	1.000	0.544	0.618	0.610	0.836
SA6	0.726	0.515	0.544	1.000	0.450	0.440	0.656
SA7	0.692	0.913	0.618	0.450	1.000	0.684	0.860
SA8	0.717	0.851	0.610	0.440	0.684	1.000	0.843
Total	0.925	0.933	0.836	0.656	0.860	0.843	1.000

Table 201. Scale Score Correlations by Content Standard and Subcontent Area, Writing Grade 8

Name	CS2	CS3	SA5	SA6	SA7	SA8	Total
Mean	560.2	560.0	563.3	577.3	560.5	571.3	557.6
STD	81.08	84.98	94.04	119.5	100.6	116.9	74.06
N	57633	57633	57633	57633	57633	57633	57633
CS2	1.000	0.758	0.887	0.706	0.700	0.684	0.939
CS3	0.758	1.000	0.669	0.501	0.916	0.820	0.925
SA5	0.887	0.669	1.000	0.518	0.619	0.574	0.831
SA6	0.706	0.501	0.518	1.000	0.440	0.405	0.644
SA7	0.700	0.916	0.619	0.440	1.000	0.644	0.852
SA8	0.684	0.820	0.574	0.405	0.644	1.000	0.797
Total	0.939	0.925	0.831	0.644	0.852	0.797	1.000

Table 202.Scale Score Correlations by Content Standard and Subcontent Area, Writing Grade 9

Name	CS2	CS3	SA5	SA6	SA7	SA8	Total
Mean	566.0	565.6	569.2	579.8	565.8	568.1	563.5
STD	85.33	87.24	97.35	124.1	108.6	106.2	77.70
N	59523	59523	59523	59523	59523	59523	59523
CS2	1.000	0.768	0.898	0.794	0.690	0.713	0.936
CS3	0.768	1.000	0.693	0.571	0.895	0.897	0.934
SA5	0.898	0.693	1.000	0.573	0.622	0.642	0.844
SA6	0.794	0.571	0.573	1.000	0.470	0.493	0.719
SA7	0.690	0.895	0.622	0.470	1.000	0.704	0.840
SA8	0.713	0.897	0.642	0.493	0.704	1.000	0.852
Total	0.936	0.934	0.844	0.719	0.840	0.852	1.000

Table 203. Scale Score Correlations by Content Standard and Subcontent Area, Writing Grade 10

Name	CS2	CS3	SA5	SA6	SA7	SA8	Total
Mean	582.6	581.5	585.6	594.3	581.7	582.4	579.9
STD	90.15	92.44	104.9	123.2	104.3	134.1	82.08
N	54684	54684	54684	54684	54684	54684	54684
CS2	1.000	0.755	0.889	0.837	0.703	0.612	0.930
CS3	0.755	1.000	0.675	0.602	0.940	0.826	0.933
SA5	0.889	0.675	1.000	0.595	0.634	0.556	0.829
SA6	0.837	0.602	0.595	1.000	0.526	0.470	0.760
SA7	0.703	0.940	0.634	0.526	1.000	0.665	0.873
SA8	0.612	0.826	0.556	0.470	0.665	1.000	0.768
Total	0.930	0.933	0.829	0.760	0.873	0.768	1.000

Table 204. Scale Score Correlations by Content Standard and Subcontent Area, Mathematics Grade 3

Name	CS1	CS2_3	CS4_5	CS6	Total
Mean	468.5	470.8	471.9	463.3	456.6
STD	120.9	115.8	113.6	110.6	85.75
N	57914	57914	57914	57914	57914
CS1	1.000	0.642	0.612	0.632	0.826
CS2_3	0.642	1.000	0.643	0.634	0.850
CS4_5	0.612	0.643	1.000	0.614	0.837
CS6	0.632	0.634	0.614	1.000	0.844
Total	0.826	0.850	0.837	0.844	1.000

Table 205. Scale Score Correlations by Content Standard and Subcontent Area, Mathematics Grade 4

Name	CS1	CS2	CS3	CS4_5	CS6	SA1	SA2	SA3	Total
Mean	498.8	505.4	501.9	495.7	524.1	497.8	507.8	515.5	491.5
STD	99.67	111.8	111.0	92.76	135.6	98.36	116.3	133.7	78.38
N	56644	56644	56644	56644	56644	56644	56644	56644	56644
CS1	1.000	0.695	0.667	0.732	0.630	0.942	0.678	0.624	0.877
CS2	0.695	1.000	0.626	0.690	0.615	0.704	0.971	0.576	0.835
CS3	0.667	0.626	1.000	0.682	0.582	0.675	0.614	0.569	0.814
CS4_5	0.732	0.690	0.682	1.000	0.635	0.742	0.676	0.813	0.897
CS6	0.630	0.615	0.582	0.635	1.000	0.708	0.606	0.521	0.772
SA1	0.942	0.704	0.675	0.742	0.708	1.000	0.688	0.626	0.888
SA2	0.678	0.971	0.614	0.676	0.606	0.688	1.000	0.561	0.817
SA3	0.624	0.576	0.569	0.813	0.521	0.626	0.561	1.000	0.744
Total	0.877	0.835	0.814	0.897	0.772	0.888	0.817	0.744	1.000

Table 206. Scale Score Correlations by Content Standard and Subcontent Area, Mathematics Grade 5

Name	CS1	CS2	CS3	CS4_5	CS6	SA1	SA2	SA3	Total
Mean	525.2	524.3	525.9	523.0	537.3	524.2	530.0	533.9	519.4
STD	100.4	102.3	97.43	100.3	117.9	97.71	115.2	112.6	78.85
N	56736	56736	56736	56736	56736	56736	56736	56736	56736
CS1	1.000	0.735	0.727	0.719	0.690	0.921	0.694	0.688	0.885
CS2	0.735	1.000	0.724	0.710	0.694	0.749	0.932	0.709	0.882
CS3	0.727	0.724	1.000	0.722	0.673	0.734	0.687	0.904	0.874
CS4_5	0.719	0.710	0.722	1.000	0.658	0.724	0.671	0.681	0.865
CS6	0.690	0.694	0.673	0.658	1.000	0.721	0.658	0.637	0.823
SA1	0.921	0.749	0.734	0.724	0.721	1.000	0.694	0.692	0.884
SA2	0.694	0.932	0.687	0.671	0.658	0.694	1.000	0.655	0.832
SA3	0.688	0.709	0.904	0.681	0.637	0.692	0.655	1.000	0.825
Total	0.885	0.882	0.874	0.865	0.823	0.884	0.832	0.825	1.000

Table 207. Scale Score Correlations by Content Standard and Subcontent Area, Mathematics Grade 6

Name	CS1	CS2	CS3	CS4_5	CS6	SA1	SA2	SA3	Total
Mean	536.6	544.6	540.3	539.9	548.4	538.2	547.2	539.7	536.9
STD	97.09	97.60	96.43	95.69	117.5	91.81	101.9	109.3	77.00
N	56452	56452	56452	56452	56452	56452	56452	56452	56452
CS1	1.000	0.707	0.730	0.743	0.692	0.933	0.684	0.712	0.888
CS2	0.707	1.000	0.717	0.711	0.656	0.717	0.958	0.680	0.847
CS3	0.730	0.717	1.000	0.738	0.674	0.742	0.694	0.708	0.876
CS4_5	0.743	0.711	0.738	1.000	0.690	0.758	0.684	0.945	0.895
CS6	0.692	0.656	0.674	0.690	1.000	0.784	0.633	0.661	0.818
SA1	0.933	0.717	0.742	0.758	0.784	1.000	0.694	0.728	0.901
SA2	0.684	0.958	0.694	0.684	0.633	0.694	1.000	0.655	0.817
SA3	0.712	0.680	0.708	0.945	0.661	0.728	0.655	1.000	0.857
Total	0.888	0.847	0.876	0.895	0.818	0.901	0.817	0.857	1.000

Table 208. Scale Score Correlations by Content Standard and Subcontent Area, Mathematics Grade 7

Name	CS1_6	CS2	CS3	CS4_5	SA1	SA2	Total
Mean	557.9	562.4	551.7	552.5	563.1	541.9	556.9
STD	82.79	92.47	89.44	88.35	122.3	112.7	70.86
N	56847	56847	56847	56847	56847	56847	56847
CS1_6	1.000	0.738	0.749	0.764	0.858	0.667	0.916
CS2	0.738	1.000	0.706	0.710	0.651	0.618	0.861
CS3	0.749	0.706	1.000	0.729	0.663	0.637	0.865
CS4_5	0.764	0.710	0.729	1.000	0.670	0.849	0.886
SA1	0.858	0.651	0.663	0.670	1.000	0.591	0.804
SA2	0.667	0.618	0.637	0.849	0.591	1.000	0.772
Total	0.916	0.861	0.865	0.886	0.804	0.772	1.000

Table 209. Scale Score Correlations by Content Standard and Subcontent Area, Mathematics Grade 8

Name	CS1_6	CS2	CS3	CS4_5	SA1	SA2	SA3	Total
Mean	557.9	564.3	563.5	563.0	563.1	557.8	554.7	565.6
STD	87.46	78.05	82.63	79.15	81.40	89.01	93.90	66.13
N	57620	57620	57620	57620	57620	57620	57620	57620
CS1_6	1.000	0.721	0.729	0.740	0.676	0.831	0.658	0.858
CS2	0.721	1.000	0.744	0.756	0.931	0.723	0.667	0.892
CS3	0.729	0.744	1.000	0.754	0.702	0.736	0.668	0.890
CS4_5	0.740	0.756	0.754	1.000	0.715	0.780	0.859	0.904
SA1	0.676	0.931	0.702	0.715	1.000	0.678	0.636	0.839
SA2	0.831	0.723	0.736	0.780	0.678	1.000	0.657	0.852
SA3	0.658	0.667	0.668	0.859	0.636	0.657	1.000	0.795
Total	0.858	0.892	0.890	0.904	0.839	0.852	0.795	1.000

Table 210. Scale Score Correlations by Content Standard and Subcontent Area, Mathematics Grade 9

Name	CS1_6	CS2	CS3	CS4_5	SA1	SA2	Total
Mean	558.0	567.2	566.4	564.7	566.4	563.3	569.8
STD	101.3	82.35	84.22	90.11	84.82	92.53	73.88
N	59825	59825	59825	59825	59825	59825	59825
CS1_6	1.000	0.679	0.672	0.647	0.669	0.705	0.776
CS2	0.679	1.000	0.795	0.754	0.950	0.738	0.930
CS3	0.672	0.795	1.000	0.747	0.827	0.794	0.910
CS4_5	0.647	0.754	0.747	1.000	0.748	0.807	0.878
SA1	0.669	0.950	0.827	0.748	1.000	0.729	0.921
SA2	0.705	0.738	0.794	0.807	0.729	1.000	0.853
Total	0.776	0.930	0.910	0.878	0.921	0.853	1.000

Table 211. Scale Score Correlations by Content Standard and Subcontent Area, Mathematics Grade 10

Name	CS1_6	CS2	CS3	CS4_5	SA1	SA2	Total
Mean	580.9	582.3	584.8	578.6	586.6	573.1	586.1
STD	92.41	84.55	82.30	88.25	86.06	118.2	73.09
N	54969	54969	54969	54969	54969	54969	54969
CS1_6	1.000	0.719	0.698	0.667	0.698	0.514	0.831
CS2	0.719	1.000	0.777	0.743	0.896	0.550	0.926
CS3	0.698	0.777	1.000	0.722	0.827	0.705	0.898
CS4_5	0.667	0.743	0.722	1.000	0.726	0.512	0.857
SA1	0.698	0.896	0.827	0.726	1.000	0.542	0.899
SA2	0.514	0.550	0.705	0.512	0.542	1.000	0.632
Total	0.831	0.926	0.898	0.857	0.899	0.632	1.000

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

Name	CS1_6	CS2_5	CS3_5	CS4_5	SA1	SA2	Total
Mean	554.8	556.8	563.2	557.3	562.2	554.4	553.3
STD	64.34	75.07	81.59	75.04	78.23	75.49	57.73
N	56737	56737	56737	56737	56737	56737	56737
CS1_6	1.000	0.715	0.648	0.711	0.900	0.906	0.939
CS2_5	0.715	1.000	0.589	0.665	0.646	0.659	0.831
CS3_5	0.648	0.589	1.000	0.622	0.589	0.589	0.771
CS4_5	0.711	0.665	0.622	1.000	0.643	0.652	0.848
SA1	0.900	0.646	0.589	0.643	1.000	0.691	0.850
SA2	0.906	0.659	0.589	0.652	0.691	1.000	0.857
Total	0.939	0.831	0.771	0.848	0.850	0.857	1.000

Table 213. Scale Score Correlations by Content Standard and Subcontent Area, Science Grade 8

Name	CS1_6	CS2_5	CS3_5	CS4_5	SA1	SA2	SA3	SA4	SA5	Total
Mean	503.4	491.5	501.8	502.7	502.9	508.8	493.6	466.2	502.7	502.8
STD	65.15	85.34	73.44	71.78	77.41	77.66	98.62	117.3	76.82	61.47
N	57631	57631	57631	57631	57631	57631	57631	57631	57631	57631
CS1_6	1.000	0.698	0.758	0.784	0.904	0.899	0.638	0.539	0.753	0.963
CS2_5	0.698	1.000	0.629	0.646	0.636	0.616	0.895	0.669	0.619	0.777
CS3_5	0.758	0.629	1.000	0.709	0.686	0.672	0.576	0.486	0.678	0.846
CS4_5	0.784	0.646	0.709	1.000	0.708	0.695	0.596	0.497	0.950	0.876
SA1	0.904	0.636	0.686	0.708	1.000	0.707	0.586	0.488	0.682	0.868
SA2	0.899	0.616	0.672	0.695	0.707	1.000	0.561	0.479	0.667	0.859
SA3	0.638	0.895	0.576	0.596	0.586	0.561	1.000	0.448	0.571	0.712
SA4	0.539	0.669	0.486	0.497	0.488	0.479	0.448	1.000	0.479	0.599
SA5	0.753	0.619	0.678	0.950	0.682	0.667	0.571	0.479	1.000	0.838
Total	0.963	0.777	0.846	0.876	0.868	0.859	0.712	0.599	0.838	1.000

Table 214. Scale Score Correlations by Content Standard and Subcontent Area, Science Grade 10

Name	CS1_6	CS2_5	CS3_5	CS4_5	SA1	SA2	SA3	SA4	SA5	Total
Mean	503.9	500.1	500.1	503.6	507.3	504.6	493.5	503.2	507.3	502.9
STD	66.77	76.15	73.15	73.94	72.39	79.23	93.72	103.0	87.89	61.46
N	55003	55003	55003	55003	55003	55003	55003	55003	55003	55003
CS1_6	1.000	0.766	0.760	0.745	0.934	0.908	0.631	0.647	0.682	0.940
CS2_5	0.766	1.000	0.714	0.722	0.718	0.695	0.808	0.821	0.663	0.870
CS3_5	0.760	0.714	1.000	0.725	0.711	0.689	0.589	0.613	0.666	0.862
CS4_5	0.745	0.722	0.725	1.000	0.693	0.677	0.603	0.606	0.913	0.869
SA1	0.934	0.718	0.711	0.693	1.000	0.738	0.594	0.614	0.633	0.875
SA2	0.908	0.695	0.689	0.677	0.738	1.000	0.573	0.587	0.622	0.853
SA3	0.631	0.808	0.589	0.603	0.594	0.573	1.000	0.561	0.557	0.720
SA4	0.647	0.821	0.613	0.606	0.614	0.587	0.561	1.000	0.557	0.738
SA5	0.682	0.663	0.666	0.913	0.633	0.622	0.557	0.557	1.000	0.796
Total	0.940	0.870	0.862	0.869	0.875	0.853	0.720	0.738	0.796	1.000

Table 215. Scale Score Correlations by Content Standard and Subcontent Area, Spanish Reading Grade 3

Name	CS1	SA1_4	SA2	SA3	Total
Mean	518.9	518.4	518.3	518.1	518.9
STD	45.86	55.84	61.88	70.35	45.86
N	1572	1572	1572	1572	1572
CS1	1.000	0.914	0.817	0.771	1.000
SA1_4	0.914	1.000	0.649	0.631	0.914
SA2	0.817	0.649	1.000	0.556	0.817
SA3	0.771	0.631	0.556	1.000	0.771
Total	1.000	0.914	0.817	0.771	1.000

Table 216. Scale Score Correlations by Content Standard and Subcontent Area, Spanish Reading Grade 4

Name	CS1	CS4	CS5	CS6	SA1_4	SA2	SA3	Total
Mean	523.5	512.7	523.2	516.2	519.7	521.2	536.6	524.0
STD	52.04	65.26	72.05	50.17	42.31	58.74	85.62	39.73
N	264	264	264	264	264	264	264	264
CS1	1.000	0.604	0.632	0.633	0.772	0.835	0.707	0.885
CS4	0.604	1.000	0.558	0.540	0.769	0.653	0.541	0.763
CS5	0.632	0.558	1.000	0.545	0.656	0.618	0.510	0.796
CS6	0.633	0.540	0.545	1.000	0.779	0.601	0.496	0.756
SA1_4	0.772	0.769	0.656	0.779	1.000	0.666	0.589	0.894
SA2	0.835	0.653	0.618	0.601	0.666	1.000	0.614	0.847
SA3	0.707	0.541	0.510	0.496	0.589	0.614	1.000	0.733
Total	0.885	0.763	0.796	0.756	0.894	0.847	0.733	1.000

Table 217. Scale Score Correlations by Content Standard and Subcontent Area, Spanish Writing Grade 3

Name	CS2	CS3	SA5	SA7	SA8	Total
Mean	507.0	509.1	519.8	514.8	515.7	505.1
STD	76.13	76.58	96.57	90.49	115.3	67.77
N	1578	1578	1578	1578	1578	1578
CS2	1.000	0.743	0.851	0.648	0.595	0.923
CS3	0.743	1.000	0.604	0.902	0.809	0.930
SA5	0.851	0.604	1.000	0.487	0.470	0.769
SA7	0.648	0.902	0.487	1.000	0.583	0.831
SA8	0.595	0.809	0.470	0.583	1.000	0.755
Total	0.923	0.930	0.769	0.831	0.755	1.000

Table 218. WR Scale Score Correlations by Content Standard and Subcontent Area, Spanish Writing Grade 4

Name	CS2	CS3	SA5	SA6	SA7	SA8	Total
Mean	508.0	513.7	507.1	513.2	514.3	496.0	511.6
STD	46.33	41.29	53.35	79.95	56.60	83.32	38.93
N	264	264	264	264	264	264	264
CS2	1.000	0.670	0.868	0.735	0.528	0.473	0.875
CS3	0.670	1.000	0.585	0.506	0.886	0.606	0.934
SA5	0.868	0.585	1.000	0.467	0.497	0.468	0.770
SA6	0.735	0.506	0.467	1.000	0.331	0.330	0.638
SA7	0.528	0.886	0.497	0.331	1.000	0.404	0.792
SA8	0.473	0.606	0.468	0.330	0.404	1.000	0.607
Total	0.875	0.934	0.770	0.638	0.792	0.607	1.000

Table 219. Cronbach Alpha Reliability Coefficients for Content Standards

		Content Standard						
		1	2	3	4	5	6	
Content Area	Grade	Alpha	Alpha	Alpha	Alpha	Alpha	Alpha	Total Alpha
Reading	3	0.88						0.88
Reading	4	0.85			0.71	0.77	0.73	0.93
Reading	5	0.82			0.78	0.75	0.76	0.93
Reading	6	0.80			0.81	0.66	0.76	0.93
Reading	7	0.80			0.78	0.73	0.76	0.93
Reading	8	0.80			0.75	0.72	0.73	0.93
Reading	9	0.83			0.71	0.73	0.73	0.93
Reading	10	0.81			0.79	0.75	0.71	0.93
Spanish Reading	3	0.87						0.87
Spanish Reading	4	0.84			0.72	0.64	0.54	0.92
Writing	3		0.80	0.87				0.91
Writing	4		0.84	0.87				0.92
Writing	5		0.83	0.85				0.91
Writing	6		0.82	0.85				0.91
Writing	7		0.85	0.84				0.91
Writing	8		0.85	0.84				0.91
Writing	9		0.86	0.85				0.92
Writing	10		0.85	0.87				0.92
Spanish Writing	3		0.81	0.85				0.90
Spanish Writing	4		0.73	0.81				0.86
Mathematics	3	0.62	0.73		0.74		0.63	0.90
Mathematics	4	0.75	0.74	0.71	0.78		0.77	0.94
Mathematics	5	0.78	0.77	0.76	0.76		0.79	0.94
Mathematics	6	0.8	0.68	0.73	0.81		0.73	0.94
Mathematics	7	0.82	0.74	0.71	0.80			0.93
Mathematics	8	0.79	0.77	0.77	0.77			0.93
Mathematics	9	0.76	0.79	0.76	0.72			0.93
Mathematics	10	0.71	0.85	0.73	0.71			0.93
Science	5	0.86	0.63	0.67	0.71			0.92
Science	8	0.87	0.69	0.63	0.71			0.92
Science	10	0.87	0.79	0.74	0.75			0.94

Table 220. Cronbach Alpha Reliability Coefficients for Subcontent Areas

		Subcontent Area							
		1	2	3	4	5	6	7	8
Content Area	Grade	Alpha	Alpha	Alpha	Alpha	Alpha	Alpha	Alpha	Alpha
Reading	3	0.73	0.70	0.76					
Reading	4	0.85	0.77	0.71					
Reading	5	0.85	0.81	0.62					
Reading	6	0.80	0.84	0.72					
Reading	7	0.83	0.64	0.69	0.69				
Reading	8	0.82	0.76	0.65	0.54				
Reading	9	0.68	0.83	0.63	0.66				
Reading	10	0.82	0.78	0.65	0.55				
Spanish Reading	3	0.79	0.64	0.62					
Spanish Reading	4	0.81	0.76	0.60					
Writing	3					0.82		0.74	0.79
Writing	4					0.74	0.73	0.82	0.69
Writing	5					0.75	0.70	0.76	0.78
Writing	6					0.68	0.71	0.82	0.71
Writing	7					0.72	0.70	0.76	0.80
Writing	8					0.72	0.72	0.74	0.77
Writing	9					0.75	0.80	0.73	0.78
Writing	10					0.73	0.81	0.82	0.66
Spanish Writing	3					0.83		0.79	0.69
Spanish Writing	4					0.59	0.62	0.75	0.68
Mathematics	3								
Mathematics	4	0.76	0.72	0.60					
Mathematics	5	0.74	0.71	0.73					
Mathematics	6	0.80	0.66	0.76					
Mathematics	7	0.68	0.63						
Mathematics	8	0.61	0.76	0.52					
Mathematics	9	0.76	0.73						
Mathematics	10	0.75	0.42						
Science	5	0.79	0.71						
Science	8	0.74	0.76	0.55	0.51	0.63			
Science	10	0.78	0.76	0.60	0.68	0.69			

Table 221. Subgroup Reliability for the CSAP Mathematics Tests

Grade	Subgroup	N	Mean	STD	Loss	Hos	Min.	Max.	Alpha	SEM
3	No Disability	52109	464.31	82.11	150	700	150	700	0.891	27.11
	Disability	5792	387.24	86.55	150	700	150	700	0.905	26.71
	No Accommodation	46653	472.30	80.08	150	700	150	700	0.884	27.31
	Accommodation	11261	391.54	77.41	150	700	150	700	0.888	25.94
	Am. Indian/AK Nat.	672	428.11	85.90	150	700	150	700	0.905	26.48
	Asian/Pac. Isl.	2074	486.55	86.23	150	700	150	700	0.894	28.12
	Black	3538	414.28	87.23	150	700	150	700	0.910	26.16
	Hispanic	17284	416.35	79.81	150	700	150	700	0.894	26.04
	White	34341	479.96	78.73	150	700	150	700	0.878	27.47
	Free Lunch Elig.	18563	413.87	80.29	150	700	150	700	0.896	25.92
	Reduced Lunch Elig.	4282	444.31	78.23	150	700	150	700	0.886	26.40
	Not FRL Elig.	35034	480.73	80.10	150	700	150	700	0.883	27.43
	Female	28388	456.30	85.74	150	700	150	700	0.902	26.88
	Male	29516	456.87	85.76	150	700	150	700	0.903	26.68
	Lang. Prof. NA	47111	468.21	82.44	150	700	150	700	0.893	26.97
	Lang. Prof. NEP	3083	350.01	73.92	150	700	150	661	0.868	26.84
	Lang. Prof. LEP	5704	414.35	67.35	150	700	150	700	0.857	25.46
	Lang. Prof. FEP	2011	467.85	74.32	150	700	178	700	0.864	27.41
	Not Mig. or Immig.	55782	458.78	85.02	150	700	150	700	0.901	26.80
	Mig. or Immig.	2119	399.16	84.68	150	700	150	700	0.899	26.93
4	No Disability	50851	499.79	73.26	180	780	180	780	0.932	19.11
	Disability	5745	418.27	84.05	180	780	180	739	0.944	19.95
	No Accommodation	46138	506.50	70.76	180	780	180	780	0.927	19.17
	Accommodation	10506	425.58	76.17	180	780	180	741	0.935	19.49
	Am. Indian/AK Nat.	638	464.23	75.29	180	780	202	780	0.937	18.90
	Asian/Pac. Isl.	2061	524.09	73.39	180	780	180	780	0.930	19.37
	Black	3241	451.03	80.49	180	780	180	728	0.944	19.07
	Hispanic	16327	454.49	74.63	180	780	180	780	0.937	18.78
	White	34373	511.44	71.82	180	780	180	780	0.929	19.08
	Free Lunch Elig.	17294	451.20	75.14	180	780	180	780	0.937	18.82
	Reduced Lunch Elig.	4221	478.65	70.62	180	780	180	780	0.931	18.59
	Not FRL Elig.	35045	512.96	72.46	180	780	180	780	0.931	19.08
	Female	27811	489.54	76.97	180	780	180	780	0.939	18.99
	Male	28826	493.40	79.67	180	780	180	780	0.944	18.92
	Lang. Prof. NA	46456	501.04	75.33	180	780	180	780	0.937	18.96
	Lang. Prof. NEP	1821	381.19	77.34	180	780	180	672	0.926	20.97
	Lang. Prof. LEP	5448	443.91	63.85	180	780	180	734	0.917	18.43
	Lang. Prof. FEP	2909	497.32	65.21	180	780	182	780	0.915	19.02
	Not Mig. or Immig.	55176	492.94	77.72	180	780	180	780	0.940	18.97
	Mig. or Immig.	1419	435.98	84.11	180	780	180	762	0.944	19.89

Table 221. Subgroup Reliability for the CSAP Mathematics Tests (Continued)

Grade	Subgroup	N	Mean	STD	Loss	Hos	Min.	Max.	Alpha	SEM
5	No Disability	50864	528.36	73.51	220	800	220	800	0.938	18.25
	Disability	5838	440.92	80.39	220	800	220	779	0.939	19.79
	No Accommodation	46507	533.71	71.60	220	800	220	800	0.935	18.25
	Accommodation	10229	454.12	77.34	220	800	220	800	0.938	19.28
	Am. Indian/AK Nat.	697	495.63	77.86	220	800	220	778	0.944	18.36
	Asian/Pac. Isl.	1972	552.72	77.72	220	800	220	800	0.942	18.78
	Black	3424	476.95	80.84	220	800	220	800	0.946	18.83
	Hispanic	15847	482.74	74.77	220	800	220	800	0.939	18.43
	White	34790	538.80	72.42	220	800	220	800	0.937	18.15
	Free Lunch Elig.	16870	478.44	75.04	220	800	220	800	0.939	18.49
	Reduced Lunch Elig.	4243	502.71	72.58	220	800	220	800	0.939	17.86
	Not FRL Elig.	35570	540.77	72.98	220	800	220	800	0.937	18.26
	Female	27712	519.05	76.05	220	800	220	800	0.943	18.15
	Male	29016	519.66	81.44	220	800	220	800	0.949	18.45
	Lang. Prof. NA	47037	528.47	76.02	220	800	220	800	0.943	18.20
	Lang. Prof. NEP	1697	404.03	75.97	220	800	220	620	0.918	21.70
	Lang. Prof. LEP	4597	467.04	61.47	220	800	220	742	0.917	17.75
	Lang. Prof. FEP	3397	521.64	65.58	220	800	272	800	0.926	17.80
	Not Mig. or Immig.	55331	520.81	78.27	220	800	220	800	0.945	18.29
	Mig. or Immig.	1368	460.86	80.25	220	800	220	800	0.940	19.59
6	No Disability	50754	545.70	71.30	240	830	240	830	0.934	18.28
	Disability	5689	458.11	81.00	240	830	240	799	0.929	21.58
	No Accommodation	48455	548.48	70.30	240	830	240	830	0.933	18.22
	Accommodation	7997	466.52	78.37	240	830	240	813	0.927	21.17
	Am. Indian/AK Nat.	636	510.95	73.82	240	830	240	700	0.935	18.77
	Asian/Pac. Isl.	1991	569.41	76.53	240	830	240	830	0.941	18.64
	Black	3360	497.02	77.45	240	830	240	830	0.933	19.98
	Hispanic	15417	498.52	72.03	240	830	240	830	0.928	19.36
	White	35043	556.18	70.83	240	830	240	830	0.934	18.23
	Free Lunch Elig.	16091	493.97	72.27	240	830	240	830	0.926	19.63
	Reduced Lunch Elig.	4165	520.29	70.18	240	830	240	830	0.930	18.60
	Not FRL Elig.	36161	557.90	71.17	240	830	240	830	0.934	18.23
	Female	27471	536.15	74.49	240	830	240	830	0.939	18.37
	Male	28974	537.55	79.30	240	830	240	830	0.943	18.90
	Lang. Prof. NA	47487	545.56	74.10	240	830	240	830	0.938	18.43
	Lang. Prof. NEP	1274	414.50	78.82	240	830	240	666	0.899	25.10
	Lang. Prof. LEP	3850	478.19	59.41	240	830	240	706	0.898	19.01
	Lang. Prof. FEP	3835	528.79	65.07	240	830	250	815	0.922	18.18
	Not Mig. or Immig.	55157	538.39	76.25	240	830	240	830	0.941	18.59
	Mig. or Immig.	1285	471.62	80.46	240	830	240	706	0.928	21.56

Table 221. Subgroup Reliability for the CSAP Mathematics Tests (Continued)

Grade	Subgroup	N	Mean	STD	Loss	Hos	Min.	Max.	Alpha	SEM
7	No Disability	51409	565.13	64.87	280	860	280	860	0.928	17.38
	Disability	5430	478.58	77.13	280	860	280	707	0.896	24.83
	No Accommodation	50441	565.97	64.83	280	860	280	860	0.928	17.38
	Accommodation	6406	485.12	75.30	280	860	280	770	0.897	24.19
	Am. Indian/AK Nat.	711	535.52	68.56	280	860	280	751	0.922	19.11
	Asian/Pac. Isl.	1845	588.23	67.27	280	860	280	860	0.935	17.17
	Black	3484	516.85	73.09	280	860	280	763	0.914	21.38
	Hispanic	15376	521.95	64.89	280	860	280	860	0.903	20.21
	White	35431	574.74	65.64	280	860	280	860	0.930	17.35
	Free Lunch Elig.	16002	516.69	66.81	280	860	280	742	0.902	20.92
	Reduced Lunch Elig.	4022	541.19	62.74	280	860	280	741	0.914	18.44
	Not FRL Elig.	36791	576.06	65.47	280	860	280	860	0.930	17.31
	Female	27738	557.19	67.71	280	860	280	860	0.929	18.03
	Male	29107	556.55	73.75	280	860	280	860	0.936	18.59
	Lang. Prof. NA	48185	564.10	69.13	280	860	280	860	0.932	17.98
	Lang. Prof. NEP	1121	452.19	77.20	280	860	280	685	0.843	30.55
	Lang. Prof. LEP	3520	505.25	53.71	280	860	280	751	0.853	20.58
	Lang. Prof. FEP	4019	544.48	58.03	280	860	280	753	0.907	17.74
	Not Mig. or Immig.	55615	558.06	70.25	280	860	280	860	0.933	18.24
	Mig. or Immig.	1221	502.30	77.02	280	860	280	751	0.909	23.17
8	No Disability	52587	573.01	60.47	310	890	310	890	0.925	16.60
	Disability	5025	488.16	72.76	310	890	310	714	0.878	25.44
	No Accommodation	51592	573.10	60.82	310	890	310	890	0.925	16.67
	Accommodation	6028	501.53	74.54	310	890	310	741	0.900	23.60
	Am. Indian/AK Nat.	703	544.88	63.67	310	890	310	701	0.906	19.53
	Asian/Pac. Isl.	1737	592.33	63.20	310	890	310	890	0.936	16.03
	Black	3552	526.00	67.49	310	890	310	746	0.895	21.82
	Hispanic	15186	531.11	63.46	310	890	310	789	0.894	20.68
	White	36441	582.98	59.41	310	890	310	890	0.925	16.27
	Free Lunch Elig.	15366	526.56	63.82	310	890	310	743	0.888	21.33
	Reduced Lunch Elig.	4033	550.14	59.82	310	890	310	721	0.901	18.78
	Not FRL Elig.	38181	582.99	60.28	310	890	310	890	0.926	16.35
	Female	28118	565.39	62.55	310	890	310	791	0.922	17.51
	Male	29502	565.82	69.36	310	890	310	890	0.933	17.98
	Lang. Prof. NA	49424	572.34	63.93	310	890	310	890	0.927	17.23
	Lang. Prof. NEP	966	467.32	69.10	310	890	310	662	0.824	29.02
	Lang. Prof. LEP	3124	510.56	55.53	310	890	310	728	0.842	22.08
	Lang. Prof. FEP	4105	549.64	57.49	310	890	310	723	0.901	18.12
	Not Mig. or Immig.	56375	566.70	65.68	310	890	310	890	0.928	17.68
	Mig. or Immig.	1235	516.25	67.31	310	890	310	728	0.898	21.55

Table 221. Subgroup Reliability for the CSAP Mathematics Tests (Concluded)

Grade	Subgroup	N	Mean	STD	Loss	Hos	Min.	Max.	Alpha	SEM
9	No Disability	54820	577.47	68.38	340	920	340	859	0.919	19.49
	Disability	4984	485.11	78.99	340	920	340	746	0.860	29.53
	No Accommodation	55481	576.02	69.48	340	920	340	859	0.919	19.76
	Accommodation	4344	490.00	81.56	340	920	340	752	0.880	28.26
	Am. Indian/AK Nat.	727	547.44	71.12	340	920	340	688	0.892	23.33
	Asian/Pac. Isl.	1857	596.00	71.61	340	920	340	839	0.932	18.68
	Black	3699	523.43	76.50	340	920	340	726	0.877	26.81
	Hispanic	15309	529.35	70.90	340	920	340	789	0.876	24.99
	White	38231	589.59	65.72	340	920	340	859	0.918	18.80
	Free Lunch Elig.	13681	524.08	72.19	340	920	340	784	0.871	25.89
	Reduced Lunch Elig.	3623	553.38	67.04	340	920	340	753	0.891	22.09
	Not FRL Elig.	42471	585.91	68.29	340	920	340	859	0.921	19.24
	Female	29280	570.03	69.43	340	920	340	820	0.914	20.40
	Male	30537	569.53	77.89	340	920	340	859	0.927	21.03
	Lang. Prof. NA	51957	577.04	71.06	340	920	340	859	0.921	20.03
	Lang. Prof. NEP	1171	448.74	73.32	340	920	340	717	0.753	36.43
	Lang. Prof. LEP	2822	510.10	62.85	340	920	340	706	0.824	26.35
	Lang. Prof. FEP	3868	552.26	63.47	340	920	340	811	0.885	21.51
	Not Mig. or Immig.	58577	571.35	72.85	340	920	340	859	0.921	20.52
	Mig. or Immig.	1220	494.91	82.96	340	920	340	717	0.877	29.14
10	No Disability	50651	593.17	68.31	370	950	370	877	0.924	18.83
	Disability	4289	502.68	76.08	370	950	370	768	0.868	27.63
	No Accommodation	51634	591.29	69.55	370	950	370	877	0.924	19.11
	Accommodation	3335	505.57	79.13	370	950	370	780	0.888	26.46
	Am. Indian/AK Nat.	603	559.04	72.13	370	950	370	740	0.908	21.88
	Asian/Pac. Isl.	1779	612.20	71.66	370	950	370	800	0.936	18.12
	Black	3269	539.54	73.49	370	950	370	788	0.891	24.29
	Hispanic	12709	544.89	69.51	370	950	370	751	0.884	23.66
	White	36607	603.72	66.24	370	950	370	877	0.924	18.32
	Free Lunch Elig.	10908	539.29	70.36	370	950	370	775	0.879	24.50
	Reduced Lunch Elig.	3012	566.79	68.66	370	950	370	775	0.900	21.71
	Not FRL Elig.	41003	600.00	68.47	370	950	370	877	0.926	18.66
	Female	26976	584.34	69.27	370	950	370	812	0.919	19.68
	Male	27984	587.78	76.56	370	950	370	877	0.932	20.03
	Lang. Prof. NA	48670	592.48	70.66	370	950	370	877	0.925	19.30
	Lang. Prof. NEP	954	469.84	69.26	370	950	370	708	0.808	30.36
	Lang. Prof. LEP	2279	525.69	63.53	370	950	370	735	0.846	24.94
	Lang. Prof. FEP	3059	565.64	63.59	370	950	370	767	0.899	20.17
	Not Mig. or Immig.	53904	587.39	72.35	370	950	370	877	0.926	19.69
	Mig. or Immig.	1033	519.07	80.12	370	950	370	722	0.892	26.29

Table 222. Subgroup Reliability for the CSAP Reading Tests

Grade	Subgroup	N	Mean	STD	Loss	Hos	Min.	Max.	Alpha	SEM
3	No Disability	50552	565.01	72.17	150	795	150	795	0.877	25.35
	Disability	5634	470.05	110.50	150	795	150	763	0.899	35.04
	No Accommodation	44837	571.61	69.51	150	795	150	795	0.868	25.29
	Accommodation	11359	491.83	95.54	150	795	150	795	0.886	32.23
	Am. Indian/AK Nat.	663	524.69	89.02	150	795	150	773	0.898	28.37
	Asian/Pac. Isl.	2068	568.75	73.32	150	795	150	795	0.884	24.93
	Black	3516	525.68	85.50	150	795	150	795	0.889	28.49
	Hispanic	15677	517.81	86.04	150	795	150	795	0.885	29.24
	White	34270	575.56	72.41	150	795	150	795	0.877	25.41
	Free Lunch Elig.	17222	514.61	87.89	150	795	150	795	0.886	29.72
	Reduced Lunch Elig.	4181	544.23	73.35	150	795	150	795	0.876	25.86
	Not FRL Elig.	34742	577.11	71.29	150	795	150	795	0.874	25.29
	Female	27533	561.37	78.50	150	795	150	795	0.889	26.11
	Male	28658	549.83	84.87	150	795	150	795	0.898	27.05
	Lang. Prof. NA	47011	566.53	75.50	150	795	150	795	0.884	25.73
	Lang. Prof. NEP	2055	406.73	107.90	150	795	150	641	0.810	47.06
	Lang. Prof. LEP	5125	512.34	59.30	150	795	150	732	0.814	25.58
	Lang. Prof. FEP	2004	559.20	60.36	150	795	150	785	0.836	24.46
	Not Mig. or Immig.	54506	557.57	80.44	150	795	150	795	0.893	26.37
	Mig. or Immig.	1679	487.95	101.20	150	795	150	795	0.890	33.52
4	No Disability	50548	592.95	61.13	180	940	180	841	0.929	16.25
	Disability	5682	507.43	95.33	180	940	180	736	0.938	23.68
	No Accommodation	44688	599.24	57.72	180	940	180	841	0.922	16.07
	Accommodation	11588	526.66	83.52	180	940	180	785	0.934	21.44
	Am. Indian/AK Nat.	633	563.53	72.07	180	940	180	749	0.937	18.15
	Asian/Pac. Isl.	2058	600.06	64.43	180	940	180	782	0.932	16.84
	Black	3226	555.04	76.64	180	940	180	732	0.937	19.21
	Hispanic	16011	548.02	75.08	180	940	180	841	0.934	19.31
	White	34343	603.39	59.11	180	940	180	823	0.925	16.22
	Free Lunch Elig.	17008	545.67	75.55	180	940	180	756	0.933	19.50
	Reduced Lunch Elig.	4200	574.08	64.15	180	940	180	744	0.929	17.13
	Not FRL Elig.	34983	604.33	59.42	180	940	180	841	0.925	16.30
	Female	27659	591.75	66.07	180	940	180	841	0.937	16.62
	Male	28612	577.09	73.45	180	940	180	823	0.941	17.86
	Lang. Prof. NA	46407	595.15	63.35	180	940	180	841	0.931	16.64
	Lang. Prof. NEP	1568	439.57	96.61	180	940	180	683	0.881	33.36
	Lang. Prof. LEP	5406	532.46	56.83	180	940	180	732	0.895	18.45
	Lang. Prof. FEP	2892	585.58	49.12	180	940	180	770	0.900	15.50
	Not Mig. or Immig.	54977	585.90	68.93	180	940	180	841	0.938	17.14
	Mig. or Immig.	1250	514.64	91.36	180	940	180	749	0.937	22.92

Table 222. Subgroup Reliability for the CSAP Reading Tests (Continued)

Grade	Subgroup	N	Mean	STD	Loss	Hos	Min.	Max.	Alpha	SEM
5	No Disability	50871	619.41	61.66	220	955	220	869	0.928	16.55
	Disability	5820	534.28	85.24	220	955	220	777	0.931	22.46
	No Accommodation	45564	624.70	58.82	220	955	220	869	0.923	16.34
	Accommodation	11143	553.25	79.42	220	955	220	833	0.930	20.94
	Am. Indian/AK Nat.	697	594.04	67.96	220	955	220	771	0.928	18.22
	Asian/Pac. Isl.	1966	624.26	66.88	220	955	220	832	0.934	17.14
	Black	3433	581.35	70.04	220	955	220	788	0.932	18.32
	Hispanic	15843	574.39	71.52	220	955	220	833	0.928	19.16
	White	34766	629.66	60.40	220	955	220	869	0.926	16.43
	Free Lunch Elig.	16884	572.63	71.42	220	955	220	809	0.928	19.22
	Reduced Lunch Elig.	4244	596.53	63.73	220	955	220	792	0.926	17.38
	Not FRL Elig.	35549	630.42	60.70	220	955	220	869	0.926	16.49
	Female	27715	617.70	64.72	220	955	220	869	0.934	16.62
	Male	28989	603.94	73.08	220	955	220	864	0.940	17.91
	Lang. Prof. NA	47018	621.03	63.65	220	955	220	869	0.931	16.69
	Lang. Prof. NEP	1650	468.22	84.22	220	955	220	684	0.840	33.68
	Lang. Prof. LEP	4630	557.96	51.31	220	955	220	724	0.875	18.15
	Lang. Prof. FEP	3398	608.12	47.88	220	955	366	864	0.892	15.71
	Not Mig. or Immig.	55337	612.57	67.86	220	955	220	869	0.936	17.16
	Mig. or Immig.	1354	532.72	87.04	220	955	220	752	0.930	23.10
6	No Disability	50664	632.41	61.88	260	970	260	839	0.925	16.96
	Disability	5648	545.71	94.26	260	970	260	767	0.924	25.98
	No Accommodation	47365	635.11	60.38	260	970	260	839	0.923	16.79
	Accommodation	8955	563.44	89.05	260	970	260	817	0.928	23.96
	Am. Indian/AK Nat.	640	603.86	73.13	260	970	260	837	0.930	19.37
	Asian/Pac. Isl.	1983	637.00	64.52	260	970	260	794	0.927	17.49
	Black	3353	591.88	75.74	260	970	260	767	0.921	21.34
	Hispanic	15352	584.75	75.74	260	970	260	788	0.921	21.34
	White	34991	643.46	59.16	260	970	260	839	0.921	16.61
	Free Lunch Elig.	16017	580.91	77.21	260	970	260	770	0.919	22.04
	Reduced Lunch Elig.	4161	609.76	64.24	260	970	260	790	0.916	18.61
	Not FRL Elig.	36109	644.33	58.62	260	970	260	839	0.921	16.49
	Female	27422	630.93	66.22	260	970	260	837	0.931	17.43
	Male	28897	616.86	74.26	260	970	260	839	0.935	18.91
	Lang. Prof. NA	47400	634.08	63.93	260	970	260	839	0.927	17.29
	Lang. Prof. NEP	1235	462.97	100.50	260	970	260	729	0.833	41.01
	Lang. Prof. LEP	3850	559.90	57.53	260	970	260	736	0.859	21.59
	Lang. Prof. FEP	3829	611.39	51.59	260	970	260	788	0.890	17.08
	Not Mig. or Immig.	55045	625.80	68.65	260	970	260	839	0.932	17.91
	Mig. or Immig.	1266	532.90	98.56	260	970	260	737	0.915	28.70

Table 222. Subgroup Reliability for the CSAP Reading Tests (Continued)

Grade	Subgroup	N	Mean	STD	Loss	Hoss	Min.	Max.	Alpha	SEM
7	No Disability	51348	644.63	61.78	300	980	300	897	0.927	16.71
	Disability	5407	553.02	87.18	300	980	300	764	0.919	24.86
	No Accommodation	50344	645.59	61.12	300	980	300	897	0.926	16.68
	Accommodation	6421	559.89	86.66	300	980	300	821	0.924	23.92
	Am. Indian/AK Nat.	704	617.22	68.90	300	980	300	807	0.924	18.98
	Asian/Pac. Isl.	1841	650.15	67.07	300	980	300	885	0.934	17.28
	Black	3470	606.62	74.28	300	980	300	799	0.928	19.97
	Hispanic	15341	597.18	72.88	300	980	300	794	0.924	20.08
	White	35409	655.17	59.69	300	980	300	897	0.924	16.45
	Free Lunch Elig.	15965	594.06	74.30	300	980	300	800	0.923	20.63
	Reduced Lunch Elig.	4001	621.37	65.94	300	980	300	823	0.924	18.14
	Not FRL Elig.	36768	655.65	59.31	300	980	300	897	0.924	16.40
	Female	27729	643.49	65.98	300	980	300	897	0.934	16.99
	Male	29035	628.65	72.90	300	980	300	885	0.937	18.25
	Lang. Prof. NA	48132	645.70	63.74	300	980	300	897	0.929	16.93
	Lang. Prof. NEP	1096	471.03	89.42	300	980	300	687	0.819	38.03
	Lang. Prof. LEP	3514	569.97	56.76	300	980	300	722	0.861	21.18
	Lang. Prof. FEP	4019	621.14	54.56	300	980	300	822	0.902	17.04
	Not Mig. or Immig.	55543	637.96	67.95	300	980	300	897	0.934	17.43
	Mig. or Immig.	1211	541.45	93.49	300	980	300	758	0.924	25.77
8	No Disability	52563	653.72	56.15	330	990	330	990	0.923	15.62
	Disability	5035	573.07	69.16	330	990	330	779	0.904	21.41
	No Accommodation	51886	653.94	56.05	330	990	330	990	0.922	15.65
	Accommodation	5719	580.68	71.24	330	990	330	805	0.914	20.88
	Am. Indian/AK Nat.	703	628.54	61.12	330	990	330	775	0.925	16.68
	Asian/Pac. Isl.	1732	657.30	62.68	330	990	330	813	0.927	16.97
	Black	3562	617.36	61.94	330	990	330	782	0.913	18.29
	Hispanic	15145	611.97	61.66	330	990	330	836	0.915	17.96
	White	36461	663.79	54.07	330	990	330	990	0.918	15.48
	Free Lunch Elig.	15327	608.73	61.70	330	990	330	831	0.912	18.33
	Reduced Lunch Elig.	4030	632.89	54.37	330	990	330	789	0.910	16.27
	Not FRL Elig.	38209	663.36	55.03	330	990	330	990	0.920	15.55
	Female	28117	654.26	58.29	330	990	330	990	0.928	15.59
	Male	29488	639.43	64.06	330	990	330	851	0.932	16.72
	Lang. Prof. NA	49444	654.83	57.49	330	990	330	990	0.924	15.83
	Lang. Prof. NEP	942	512.86	67.41	330	990	330	698	0.737	34.58
	Lang. Prof. LEP	3114	581.22	48.42	330	990	330	755	0.836	19.62
	Lang. Prof. FEP	4103	628.77	49.12	330	990	330	804	0.892	16.11
	Not Mig. or Immig.	56375	648.36	60.35	330	990	330	990	0.929	16.10
	Mig. or Immig.	1219	569.12	74.27	330	990	330	756	0.904	23.04

Table 222. Subgroup Reliability for the CSAP Reading Tests (Concluded)

Grade	Subgroup	N	Mean	STD	Loss	Hoss	Min.	Max.	Alpha	SEM
9	No Disability	54585	665.32	50.04	350	995	350	843	0.925	13.71
	Disability	4924	595.15	65.97	350	995	350	776	0.912	19.53
	No Accommodation	55536	664.30	50.85	350	995	350	843	0.926	13.85
	Accommodation	3994	592.85	66.63	350	995	350	835	0.914	19.57
	Am. Indian/AK Nat.	717	644.68	57.67	350	995	350	761	0.927	15.62
	Asian/Pac. Isl.	1851	667.87	55.21	350	995	350	843	0.933	14.29
	Black	3654	633.89	58.97	350	995	350	772	0.924	16.25
	Hispanic	15178	628.50	55.70	350	995	350	778	0.918	15.94
	White	38126	674.18	47.79	350	995	350	835	0.919	13.59
	Free Lunch Elig.	13540	624.90	57.49	350	995	350	814	0.917	16.57
	Reduced Lunch Elig.	3604	647.96	49.90	350	995	350	827	0.915	14.53
	Not FRL Elig.	42336	671.57	49.49	350	995	350	843	0.924	13.63
	Female	29168	666.83	50.50	350	995	350	843	0.928	13.52
	Male	30355	652.48	58.23	350	995	350	835	0.935	14.82
	Lang. Prof. NA	51758	666.27	50.93	350	995	350	843	0.926	13.90
	Lang. Prof. NEP	1138	546.14	64.95	350	995	350	692	0.802	28.92
	Lang. Prof. LEP	2793	603.04	46.13	350	995	350	752	0.860	17.24
	Lang. Prof. FEP	3834	643.09	46.95	350	995	350	797	0.900	14.84
	Not Mig. or Immig.	58300	661.11	53.56	350	995	350	843	0.930	14.14
	Mig. or Immig.	1203	582.86	69.51	350	995	350	756	0.907	21.19
10	No Disability	50413	689.15	52.54	370	999	370	881	0.931	13.78
	Disability	4255	614.17	70.72	370	999	370	838	0.915	20.65
	No Accommodation	51625	687.40	54.23	370	999	370	881	0.933	14.03
	Accommodation	3072	614.48	70.49	370	999	370	818	0.921	19.81
	Am. Indian/AK Nat.	606	665.35	55.31	370	999	370	803	0.928	14.84
	Asian/Pac. Isl.	1769	690.28	56.50	370	999	370	837	0.938	14.10
	Black	3233	657.21	64.05	370	999	370	797	0.932	16.71
	Hispanic	12577	651.01	61.38	370	999	370	822	0.927	16.64
	White	36511	696.70	50.26	370	999	370	881	0.928	13.48
	Free Lunch Elig.	10764	647.20	61.73	370	999	370	830	0.924	17.02
	Reduced Lunch Elig.	2997	668.63	56.69	370	999	370	813	0.927	15.33
	Not FRL Elig.	40891	693.92	52.42	370	999	370	881	0.932	13.70
	Female	26874	693.50	50.99	370	999	370	881	0.932	13.31
	Male	27817	673.46	62.06	370	999	370	840	0.940	15.22
	Lang. Prof. NA	48463	689.46	53.91	370	999	370	881	0.933	13.97
	Lang. Prof. NEP	931	561.50	66.17	370	999	370	747	0.766	32.01
	Lang. Prof. LEP	2270	624.18	51.17	370	999	370	763	0.859	19.19
	Lang. Prof. FEP	3026	666.62	48.77	370	999	370	808	0.906	14.97
	Not Mig. or Immig.	53650	684.76	56.49	370	999	370	881	0.936	14.28
	Mig. or Immig.	1013	607.38	71.77	370	999	370	774	0.920	20.33

Table 223. Subgroup Reliability for the CSAP Writing Tests

Grade	Subgroup	N	Mean	STD	Loss	Hos	Min.	Max.	Alpha	SEM
3	No Disability	50599	473.73	47.06	150	680	150	680	0.908	14.30
	Disability	5643	422.22	52.79	150	680	150	592	0.914	15.51
	No Accommodation	45520	477.94	45.64	150	680	150	680	0.901	14.33
	Accommodation	10738	428.78	48.70	150	680	150	680	0.905	14.98
	Am. Indian/AK Nat.	667	448.26	52.46	150	680	150	680	0.920	14.85
	Asian/Pac. Isl.	2073	478.58	48.01	150	680	150	680	0.912	14.28
	Black	3536	448.54	53.12	150	680	150	680	0.926	14.45
	Hispanic	15694	445.65	48.80	150	680	150	680	0.914	14.27
	White	34283	480.90	45.82	150	680	150	680	0.900	14.47
	Free Lunch Elig.	17220	443.11	48.91	150	680	150	680	0.914	14.34
	Reduced Lunch Elig.	4171	461.04	44.56	150	680	150	680	0.905	13.72
	Not FRL Elig.	34830	482.05	46.11	150	680	150	680	0.901	14.49
	Female	27567	476.50	49.09	150	680	150	680	0.915	14.27
	Male	28683	460.93	49.91	150	680	150	680	0.919	14.21
	Lang. Prof. NA	47043	474.88	47.52	150	680	150	680	0.910	14.28
	Lang. Prof. NEP	2072	388.92	57.74	150	680	150	600	0.880	20.04
	Lang. Prof. LEP	5142	441.91	35.48	150	680	150	583	0.866	12.97
	Lang. Prof. FEP	1994	470.86	38.87	150	680	150	600	0.875	13.76
	Not Mig. or Immig.	54572	469.73	49.45	150	680	150	680	0.917	14.29
	Mig. or Immig.	1670	430.37	56.38	150	680	150	600	0.926	15.36
4	No Disability	50549	488.10	49.66	190	730	190	730	0.915	14.52
	Disability	5684	435.91	46.03	190	730	190	636	0.912	13.69
	No Accommodation	44311	492.88	48.25	190	730	190	730	0.908	14.62
	Accommodation	11968	445.60	47.04	190	730	190	730	0.912	13.99
	Am. Indian/AK Nat.	633	465.21	49.63	190	730	280	659	0.920	14.00
	Asian/Pac. Isl.	2056	498.26	53.42	190	730	266	730	0.918	15.29
	Black	3230	461.26	49.50	190	730	190	657	0.922	13.87
	Hispanic	16017	456.91	47.71	190	730	190	729	0.918	13.70
	White	34338	496.34	48.17	190	730	190	730	0.905	14.84
	Free Lunch Elig.	17018	454.62	46.61	190	730	190	698	0.916	13.51
	Reduced Lunch Elig.	4197	473.54	45.42	190	730	289	730	0.908	13.76
	Not FRL Elig.	34979	497.67	48.78	190	730	190	730	0.907	14.92
	Female	27670	490.79	52.39	190	730	190	730	0.920	14.82
	Male	28604	475.11	49.92	190	730	190	730	0.924	13.74
	Lang. Prof. NA	46406	490.26	49.37	190	730	190	730	0.913	14.55
	Lang. Prof. NEP	1571	395.80	43.82	190	730	190	532	0.863	16.22
	Lang. Prof. LEP	5407	444.27	36.34	190	730	213	730	0.876	12.82
	Lang. Prof. FEP	2892	482.82	41.28	190	730	252	730	0.877	14.50
	Not Mig. or Immig.	54980	483.89	51.13	190	730	190	730	0.921	14.34
	Mig. or Immig.	1250	436.42	57.05	190	730	190	730	0.930	15.06

Table 223. Subgroup Reliability for the CSAP Writing Tests (Continued)

Grade	Subgroup	N	Mean	STD	Loss	Hos	Min.	Max.	Alpha	SEM
5	No Disability	50854	512.98	52.49	220	780	220	780	0.901	16.49
	Disability	5834	452.34	47.37	220	780	220	685	0.888	15.88
	No Accommodation	45225	517.14	50.87	220	780	220	780	0.894	16.54
	Accommodation	11479	465.74	52.20	220	780	220	765	0.901	16.44
	Am. Indian/AK Nat.	695	488.48	50.67	220	780	220	647	0.903	15.76
	Asian/Pac. Isl.	1970	523.40	56.32	220	780	220	730	0.909	16.97
	Black	3430	483.82	51.83	220	780	220	701	0.907	15.78
	Hispanic	15826	480.33	51.12	220	780	220	780	0.902	15.97
	White	34781	520.44	51.91	220	780	220	780	0.898	16.60
	Free Lunch Elig.	16869	477.36	49.53	220	780	220	701	0.900	15.67
	Reduced Lunch Elig.	4241	494.89	49.43	220	780	292	746	0.898	15.77
	Not FRL Elig.	35564	522.09	52.27	220	780	220	780	0.898	16.73
	Female	27716	517.69	54.87	220	780	220	780	0.909	16.56
	Male	28985	496.27	53.36	220	780	220	765	0.911	15.90
	Lang. Prof. NA	47025	513.96	52.97	220	780	220	780	0.904	16.41
	Lang. Prof. NEP	1652	413.55	46.84	220	780	220	596	0.825	19.60
	Lang. Prof. LEP	4619	467.13	37.60	220	780	220	632	0.843	14.90
	Lang. Prof. FEP	3397	505.85	43.19	220	780	344	742	0.860	16.15
	Not Mig. or Immig.	55334	508.07	54.34	220	780	220	780	0.910	16.33
	Mig. or Immig.	1354	452.18	60.27	220	780	220	659	0.914	17.67
6	No Disability	50701	534.08	59.29	230	840	230	840	0.898	18.97
	Disability	5671	461.48	56.05	230	840	230	751	0.874	19.89
	No Accommodation	47766	536.95	57.32	230	840	230	840	0.892	18.87
	Accommodation	8614	470.35	62.48	230	840	230	840	0.891	20.62
	Am. Indian/AK Nat.	636	507.44	61.02	230	840	230	729	0.904	18.89
	Asian/Pac. Isl.	1981	544.75	64.27	230	840	261	809	0.904	19.90
	Black	3366	501.73	59.99	230	840	230	823	0.899	19.07
	Hispanic	15373	495.11	59.49	230	840	230	809	0.895	19.29
	White	35023	542.41	58.27	230	840	230	840	0.895	18.87
	Free Lunch Elig.	16037	490.99	58.32	230	840	230	823	0.892	19.20
	Reduced Lunch Elig.	4159	513.73	55.21	230	840	258	823	0.884	18.77
	Not FRL Elig.	36151	544.17	58.43	230	840	230	840	0.895	18.96
	Female	27444	539.35	61.42	230	840	230	840	0.904	19.06
	Male	28935	514.85	61.92	230	840	230	840	0.908	18.78
	Lang. Prof. NA	47459	535.05	59.61	230	840	230	840	0.900	18.82
	Lang. Prof. NEP	1233	404.94	62.21	230	840	230	740	0.824	26.06
	Lang. Prof. LEP	3853	471.98	42.06	230	840	259	682	0.810	18.34
	Lang. Prof. FEP	3829	518.50	49.38	230	840	312	823	0.860	18.46
	Not Mig. or Immig.	55103	528.45	61.62	230	840	230	840	0.906	18.88
	Mig. or Immig.	1268	453.77	73.31	230	840	230	674	0.898	23.45

Table 223. Subgroup Reliability for the CSAP Writing Tests (Continued)

Grade	Subgroup	N	Mean	STD	Loss	Hos	Min.	Max.	Alpha	SEM
7	No Disability	51340	564.55	67.48	240	890	240	890	0.905	20.76
	Disability	5419	480.29	58.53	240	890	240	709	0.876	20.58
	No Accommodation	50106	565.80	66.62	240	890	240	890	0.903	20.76
	Accommodation	6663	486.55	64.62	240	890	240	876	0.891	21.31
	Am. Indian/AK Nat.	707	536.21	66.18	240	890	240	803	0.905	20.41
	Asian/Pac. Isl.	1841	580.05	75.02	240	890	240	890	0.914	21.99
	Black	3473	528.53	64.10	240	890	240	890	0.903	20.01
	Hispanic	15341	520.88	64.69	240	890	240	890	0.901	20.32
	White	35407	573.86	67.45	240	890	240	890	0.905	20.75
	Free Lunch Elig.	15967	516.56	63.50	240	890	240	864	0.898	20.24
	Reduced Lunch Elig.	3998	540.70	62.84	240	890	240	890	0.899	19.99
	Not FRL Elig.	36771	575.57	67.38	240	890	240	890	0.904	20.85
	Female	27716	572.04	70.00	240	890	240	890	0.910	20.95
	Male	29052	541.68	68.99	240	890	240	890	0.915	20.10
	Lang. Prof. NA	48137	565.01	68.54	240	890	240	890	0.909	20.63
	Lang. Prof. NEP	1091	421.01	64.50	240	890	240	684	0.829	26.66
	Lang. Prof. LEP	3517	495.83	45.52	240	890	272	702	0.828	18.90
	Lang. Prof. FEP	4019	544.41	54.81	240	890	240	890	0.867	19.96
	Not Mig. or Immig.	55549	558.30	69.83	240	890	240	890	0.913	20.61
	Mig. or Immig.	1208	473.97	80.53	240	890	240	793	0.915	23.43
8	No Disability	52580	565.47	70.36	250	910	250	910	0.903	21.91
	Disability	5045	475.51	60.52	250	910	250	741	0.873	21.55
	No Accommodation	51544	566.51	69.38	250	910	250	910	0.901	21.85
	Accommodation	6089	482.05	69.23	250	910	250	910	0.892	22.80
	Am. Indian/AK Nat.	700	535.99	66.81	250	910	320	776	0.904	20.68
	Asian/Pac. Isl.	1735	575.75	76.55	250	910	250	910	0.905	23.56
	Black	3569	525.18	67.68	250	910	250	910	0.903	21.03
	Hispanic	15153	518.73	66.72	250	910	250	910	0.898	21.32
	White	36474	576.45	69.97	250	910	250	910	0.902	21.93
	Free Lunch Elig.	15343	514.14	65.19	250	910	250	910	0.894	21.18
	Reduced Lunch Elig.	4030	539.60	63.21	250	910	250	832	0.890	20.92
	Not FRL Elig.	38220	576.97	70.48	250	910	250	910	0.903	21.99
	Female	28133	573.39	72.44	250	910	250	910	0.907	22.13
	Male	29500	542.52	72.43	250	910	250	910	0.915	21.15
	Lang. Prof. NA	49465	566.46	71.27	250	910	250	910	0.907	21.70
	Lang. Prof. NEP	944	407.43	66.93	250	910	250	599	0.788	30.80
	Lang. Prof. LEP	3118	487.70	45.35	250	910	253	686	0.806	19.98
	Lang. Prof. FEP	4104	538.30	54.74	250	910	250	910	0.862	20.32
	Not Mig. or Immig.	56401	559.53	72.63	250	910	250	910	0.911	21.64
	Mig. or Immig.	1220	468.32	83.49	250	910	250	741	0.905	25.73

Table 223. Subgroup Reliability for the CSAP Writing Tests (Concluded)

Grade	Subgroup	N	Mean	STD	Loss	Hos	Min.	Max.	Alpha	SEM
9	No Disability	54582	571.21	74.25	260	930	260	930	0.914	21.77
	Disability	4920	477.60	61.79	260	930	260	930	0.872	22.08
	No Accommodation	55312	570.18	74.35	260	930	260	930	0.914	21.75
	Accommodation	4211	475.32	66.10	260	930	260	869	0.878	23.09
	Am. Indian/AK Nat.	716	541.09	69.41	260	930	305	787	0.907	21.13
	Asian/Pac. Isl.	1850	580.16	80.40	260	930	288	930	0.921	22.57
	Black	3651	529.18	72.34	260	930	260	842	0.910	21.69
	Hispanic	15173	520.51	68.57	260	930	260	930	0.900	21.72
	White	38129	583.46	73.34	260	930	260	930	0.911	21.85
	Free Lunch Elig.	13536	515.64	67.83	260	930	260	869	0.897	21.73
	Reduced Lunch Elig.	3602	543.71	64.94	260	930	260	806	0.899	20.60
	Not FRL Elig.	42335	580.46	74.82	260	930	260	930	0.915	21.82
	Female	29175	580.10	75.76	260	930	260	930	0.916	21.91
	Male	30341	547.48	76.17	260	930	260	930	0.921	21.37
	Lang. Prof. NA	51752	572.42	74.83	260	930	260	930	0.916	21.71
	Lang. Prof. NEP	1132	419.92	61.73	260	930	260	610	0.771	29.54
	Lang. Prof. LEP	2797	489.12	48.02	260	930	260	710	0.811	20.87
	Lang. Prof. FEP	3835	539.25	59.46	260	930	260	930	0.877	20.87
	Not Mig. or Immig.	58298	565.54	76.34	260	930	260	930	0.919	21.70
	Mig. or Immig.	1198	463.71	77.67	260	930	260	725	0.889	25.87
10	No Disability	50401	587.69	78.44	270	950	270	950	0.915	22.82
	Disability	4254	487.86	67.02	270	950	270	900	0.886	22.62
	No Accommodation	51507	585.60	79.16	270	950	270	950	0.917	22.79
	Accommodation	3177	487.51	72.74	270	950	270	908	0.895	23.59
	Am. Indian/AK Nat.	607	550.69	73.83	270	950	362	858	0.913	21.77
	Asian/Pac. Isl.	1770	597.63	87.46	270	950	270	950	0.924	24.16
	Black	3227	542.80	77.87	270	950	270	800	0.915	22.69
	Hispanic	12566	534.64	74.81	270	950	270	868	0.909	22.62
	White	36513	598.38	77.26	270	950	270	950	0.913	22.75
	Free Lunch Elig.	10761	528.93	73.70	270	950	270	837	0.905	22.67
	Reduced Lunch Elig.	2997	556.55	73.03	270	950	270	810	0.911	21.78
	Not FRL Elig.	40880	595.08	78.92	270	950	270	950	0.917	22.79
	Female	26854	597.52	80.00	270	950	270	950	0.918	22.98
	Male	27824	562.89	80.46	270	950	270	950	0.923	22.34
	Lang. Prof. NA	48457	588.01	79.13	270	950	270	950	0.918	22.67
	Lang. Prof. NEP	932	422.53	63.72	270	950	270	651	0.771	30.48
	Lang. Prof. LEP	2263	503.28	55.41	270	950	270	950	0.844	21.92
	Lang. Prof. FEP	3025	555.77	65.37	270	950	294	871	0.885	22.13
	Not Mig. or Immig.	53638	581.83	80.79	270	950	270	950	0.921	22.72
	Mig. or Immig.	1013	479.10	86.78	270	950	270	754	0.912	25.70

Table 224. Subgroup Reliability for the CSAP Science Tests

Grade	Subgroup	N	Mean	STD	Loss	Hoss	Min.	Max.	Alpha	SEM
5	No Disability	50892	558.73	54.62	300	790	300	790	0.920	15.46
	Disability	5830	505.44	61.88	300	790	300	751	0.930	16.43
	No Accommodation	47789	562.78	52.31	300	790	300	790	0.913	15.42
	Accommodation	8948	502.39	58.70	300	790	300	700	0.921	16.46
	Am. Indian/AK Nat.	697	538.86	55.46	300	790	300	714	0.923	15.37
	Asian/Pac. Isl.	1970	564.62	57.63	300	790	300	790	0.925	15.78
	Black	3431	521.74	56.96	300	790	300	785	0.922	15.88
	Hispanic	15843	518.17	56.48	300	790	300	785	0.921	15.90
	White	34793	571.98	48.91	300	790	300	790	0.901	15.38
	Free Lunch Elig.	16877	517.74	56.45	300	790	300	785	0.921	15.88
	Reduced Lunch Elig.	4240	540.91	51.10	300	790	300	781	0.911	15.21
	Not FRL Elig.	35587	571.57	50.37	300	790	300	790	0.907	15.39
	Female	27724	550.85	55.99	300	790	300	790	0.925	15.34
	Male	29009	555.55	59.26	300	790	300	790	0.930	15.63
	Lang. Prof. NA	47044	563.25	52.24	300	790	300	790	0.914	15.35
	Lang. Prof. NEP	1676	437.97	56.37	300	790	300	625	0.870	20.31
	Lang. Prof. LEP	4617	500.48	42.76	300	790	300	647	0.871	15.34
	Lang. Prof. FEP	3392	543.28	44.58	300	790	322	790	0.887	15.00
	Not Mig. or Immig.	55357	554.97	56.39	300	790	300	790	0.925	15.45
	Mig. or Immig.	1364	483.73	67.80	300	790	300	667	0.931	17.84
8	No Disability	52573	509.17	57.15	300	790	300	760	0.921	16.11
	Disability	5048	436.50	65.54	300	790	300	652	0.905	20.19
	No Accommodation	52396	509.60	56.83	300	790	300	760	0.920	16.08
	Accommodation	5235	434.70	64.63	300	790	300	668	0.899	20.49
	Am. Indian/AK Nat.	702	483.64	58.25	300	790	300	646	0.911	17.38
	Asian/Pac. Isl.	1736	516.03	58.86	300	790	300	674	0.926	16.01
	Black	3563	464.46	60.67	300	790	300	642	0.901	19.05
	Hispanic	15147	466.03	59.76	300	790	300	660	0.901	18.76
	White	36481	521.55	53.16	300	790	300	760	0.914	15.55
	Free Lunch Elig.	15320	463.11	59.95	300	790	300	651	0.900	19.00
	Reduced Lunch Elig.	4031	488.73	55.37	300	790	300	659	0.905	17.05
	Not FRL Elig.	38234	520.21	54.52	300	790	300	760	0.917	15.71
	Female	28121	501.59	58.09	300	790	300	760	0.920	16.48
	Male	29505	503.96	64.51	300	790	300	697	0.932	16.84
	Lang. Prof. NA	49469	510.80	57.76	300	790	300	760	0.922	16.17
	Lang. Prof. NEP	956	380.04	57.47	300	790	300	548	0.804	25.46
	Lang. Prof. LEP	3116	440.23	49.05	300	790	300	609	0.830	20.23
	Lang. Prof. FEP	4089	482.33	50.94	300	790	300	652	0.890	16.90
	Not Mig. or Immig.	56389	504.30	60.46	300	790	300	760	0.925	16.54
	Mig. or Immig.	1230	434.32	67.88	300	790	300	623	0.902	21.30

Table 224. Subgroup Reliability for the CSAP Science Tests (Concluded)

Grade	Subgroup	N	Mean	STD	Loss	Hoss	Min.	Max.	Alpha	SEM
10	No Disability	50656	508.47	57.42	300	790	300	742	0.935	14.62
	Disability	4319	437.73	69.37	300	790	300	655	0.926	18.91
	No Accommodation	51850	507.39	58.02	300	790	300	742	0.936	14.70
	Accommodation	3153	429.32	69.21	300	790	300	642	0.922	19.31
	Am. Indian/AK Nat.	605	481.46	61.71	300	790	300	610	0.932	16.04
	Asian/Pac. Isl.	1776	511.07	59.93	300	790	300	673	0.939	14.81
	Black	3276	466.53	63.90	300	790	300	672	0.926	17.40
	Hispanic	12720	462.87	62.82	300	790	300	659	0.924	17.37
	White	36623	520.03	52.16	300	790	300	742	0.928	14.02
	Free Lunch Elig.	10895	459.82	63.33	300	790	300	659	0.922	17.70
	Reduced Lunch Elig.	3017	487.21	57.90	300	790	300	639	0.926	15.78
	Not FRL Elig.	41044	515.54	55.45	300	790	300	742	0.933	14.35
	Female	26997	499.82	57.78	300	790	300	671	0.934	14.86
	Male	28001	505.90	64.67	300	790	300	742	0.944	15.30
	Lang. Prof. NA	48691	510.05	57.17	300	790	300	742	0.935	14.61
	Lang. Prof. NEP	962	369.78	53.69	300	790	300	571	0.786	24.84
	Lang. Prof. LEP	2282	436.15	52.18	300	790	300	603	0.866	19.07
	Lang. Prof. FEP	3058	481.03	52.47	300	790	300	634	0.912	15.61
	Not Mig. or Immig.	53936	504.51	60.11	300	790	300	742	0.938	14.96
	Mig. or Immig.	1034	419.63	73.06	300	790	300	604	0.923	20.30

Table 225. Subgroup Reliability for the CSAP Spanish Reading Tests

Grade	Subgroup	N	Mean	STD	Loss	Hoss	Min.	Max.	Alpha	SEM
3	No Disability	1469	521.76	44.06	300	740	300	669	0.872	15.75
	Disability	103	478.69	52.00	300	740	300	607	0.846	20.39
	No Accommodation	1221	524.80	43.26	300	740	300	669	0.873	15.41
	Accommodation	351	498.56	48.77	300	740	300	613	0.864	18.01
	Am. Indian/AK Nat.	1*	.	.	.	.	.	.	.	.
	Black	1*	.	.	.	.	.	.	.	.
	Hispanic	1557	518.79	45.88	300	740	300	669	0.877	16.06
	White	13*	.	.	.	.	.	.	.	.
	Free Lunch Elig.	1338	516.94	46.24	300	740	300	669	0.877	16.20
	Reduced Lunch Elig.	100	534.89	38.85	300	740	449	654	0.854	14.82
	Not FRL Elig.	134	526.99	43.87	300	740	387	627	0.877	15.36
	Female	789	525.31	44.69	300	740	300	654	0.872	15.98
	Male	783	512.53	46.16	300	740	300	669	0.878	16.15
	Lang. Prof. NA	7*	.	.	.	.	.	.	.	.
	Lang. Prof. NEP	985	505.58	45.15	300	740	300	627	0.863	16.70
	Lang. Prof. LEP	549	539.66	37.27	300	740	300	654	0.836	15.11
	Lang. Prof. FEP	31	568.74	33.72	300	740	500	669	.	.
	Not Mig. or Immig.	1133	518.49	45.58	300	740	300	669	0.872	16.29
	Mig. or Immig.	439	520.10	46.60	300	740	300	631	0.889	15.52
4	No Disability	261	524.50	39.50	300	790	397	644	0.915	11.53
	Disability	3*	.	.	.	.	.	.	.	.
	No Accommodation	192	522.44	39.87	300	790	397	644	0.914	11.67
	Accommodation	72	528.00	39.33	300	790	435	618	0.918	11.26
	Hispanic	262	523.98	39.87	300	790	397	644	0.916	11.56
	White	2*	.	.	.	.	.	.	.	.
	Free Lunch Elig.	213	525.15	40.08	300	790	397	644	0.918	11.48
	Reduced Lunch Elig.	11*	.	.	.	.	.	.	.	.
	Not FRL Elig.	39	520.15	36.27	300	790	426	605	0.897	11.65
	Female	119	527.30	39.69	300	790	442	623	0.915	11.54
	Male	145	521.21	39.68	300	790	397	644	0.915	11.54
	Lang. Prof. NA	1*	.	.	.	.	.	.	.	.
	Lang. Prof. NEP	220	520.28	38.21	300	790	397	618	0.907	11.68
	Lang. Prof. LEP	41	543.95	43.20	300	790	446	644	0.935	11.00
	Lang. Prof. FEP	2*	.	.	.	.	.	.	.	.
	Not Mig. or Immig.	111	521.77	40.80	300	790	426	623	0.920	11.56
	Mig. or Immig.	153	525.54	38.99	300	790	397	644	0.912	11.55

*Statistics are not provided for groups consisting of fewer than 16 students.

Table 226. Subgroup Reliability for the CSAP Spanish Writing Tests

Grade	Subgroup	N	Mean	STD	Loss	Hoss	Min.	Max.	Alpha	SEM
3	No Disability	1473	509.67	65.62	250	750	250	750	0.902	20.54
	Disability	105	441.30	65.42	250	750	259	600	0.899	20.81
	No Accommodation	1216	513.27	66.52	250	750	250	750	0.904	20.62
	Accommodation	362	477.74	64.75	250	750	250	660	0.905	20.01
	Am. Indian/AK Nat.	1*	.	.	.	.	.	.	.	.
	Black	1*	.	.	.	.	.	.	.	.
	Hispanic	1563	504.75	67.83	250	750	250	750	0.909	20.48
	White	13*	.	.	.	.	.	.	.	.
	Free Lunch Elig.	1340	503.17	67.55	250	750	250	750	0.909	20.37
	Reduced Lunch Elig.	101	525.30	63.15	250	750	387	701	0.893	20.62
	Not FRL Elig.	137	509.34	70.93	250	750	369	750	0.910	21.26
	Female	794	518.08	68.45	250	750	250	750	0.907	20.89
	Male	784	491.99	64.51	250	750	250	750	0.905	19.91
	Lang. Prof. NA	7*	.	.	.	.	.	.	.	.
	Lang. Prof. NEP	988	487.22	66.25	250	750	250	750	0.905	20.44
	Lang. Prof. LEP	550	533.10	59.44	250	750	304	750	0.872	21.25
	Lang. Prof. FEP	33	564.73	44.78	250	750	471	649	.	.
	Not Mig. or Immig.	1143	503.67	65.92	250	750	250	750	0.907	20.16
	Mig. or Immig.	435	508.92	72.34	250	750	250	750	0.914	21.16
4	No Disability	261	512.11	38.79	300	790	361	620	0.867	14.13
	Disability	3*	.	.	.	.	.	.	.	.
	No Accommodation	193	512.26	38.08	300	790	389	620	0.864	14.03
	Accommodation	71	509.66	41.38	300	790	361	606	0.883	14.15
	Hispanic	262	511.47	39.06	300	790	361	620	0.870	14.08
	White	2*	.	.	.	.	.	.	.	.
	Free Lunch Elig.	213	513.39	39.79	300	790	361	620	0.878	13.92
	Reduced Lunch Elig.	11*	.	.	.	.	.	.	.	.
	Not FRL Elig.	39	506.49	30.44	300	790	389	568	0.754	15.09
	Female	120	517.29	37.34	300	790	427	606	0.865	13.71
	Male	144	506.79	39.71	300	790	361	620	0.868	14.41
	Lang. Prof. NA	1*	.	.	.	.	.	.	.	.
	Lang. Prof. NEP	220	507.01	37.23	300	790	361	606	0.856	14.13
	Lang. Prof. LEP	41	536.39	39.96	300	790	443	620	.	.
	Lang. Prof. FEP	2*	.	.	.	.	.	.	.	.
	Not Mig. or Immig.	111	509.10	37.24	300	790	389	589	0.862	13.81
	Mig. or Immig.	153	513.35	40.14	300	790	361	620	0.874	14.24

*Statistics are not provided for groups consisting of fewer than 16 students.

Table 227. Scale Scores by Accommodation and Disability Classification

Content Area	Grade	Disability	Accommodation					
			No Accommodation			Accommodation		
			N	Mean	SD	N	Mean	SD
Reading	3	No Disability	43025	574.11	66.69	7527	512.97	79.83
		Disability	1803	512.02	100.94	3831	450.30	109.28
	4	No Disability	43006	601.23	55.41	7542	545.76	70.13
		Disability	1645	547.47	86.08	4037	491.11	94.09
	5	No Disability	43936	626.77	56.88	6935	572.77	69.81
		Disability	1612	568.78	79.38	4208	521.07	83.71
	6	No Disability	45671	637.49	57.59	4993	585.94	78.22
		Disability	1686	570.70	90.89	3962	535.08	93.67
	7	No Disability	48098	649.06	57.66	3250	579.06	80.67
		Disability	2238	571.12	82.37	3169	540.24	88.22
	8	No Disability	49745	656.82	53.76	2818	598.98	68.00
		Disability	2134	586.89	65.82	2901	562.90	69.81
	9	No Disability	53066	667.15	48.33	1519	601.32	64.61
		Disability	2449	602.74	63.68	2475	587.64	67.33
	10	No Disability	49443	690.35	51.43	970	628.01	69.49
		Disability	2154	619.98	70.85	2101	608.23	70.11
Writing	3	No Disability	43844	479.18	44.92	6755	438.31	45.25
		Disability	1661	445.25	52.02	3982	412.62	50.08
	4	No Disability	42819	494.09	47.77	7730	454.90	46.69
		Disability	1454	457.13	48.64	4230	428.62	42.74
	5	No Disability	43768	518.59	50.21	7086	478.31	52.95
		Disability	1441	473.31	51.10	4393	445.47	43.95
	6	No Disability	46181	538.76	56.45	4520	486.25	66.07
		Disability	1577	484.01	57.47	4094	452.81	53.00
	7	No Disability	48106	568.71	65.32	3234	502.68	68.81
		Disability	1992	495.70	59.04	3427	471.34	56.34
	8	No Disability	49657	569.37	68.02	2923	499.29	76.17
		Disability	1879	491.33	61.80	3166	466.13	57.74
	9	No Disability	52965	573.89	72.52	1617	483.52	76.78
		Disability	2326	485.84	64.88	2594	470.21	57.90
	10	No Disability	49384	589.40	77.33	1017	504.54	86.46
		Disability	2095	496.50	69.17	2159	479.48	63.77

Table 227. Scale Scores by Accommodation and Disability Classification (Concluded)

Content Area	Grade	Disability	Accommodation					
			No Accommodation			Accommodation		
			N	Mean	SD	N	Mean	SD
Mathematics	3	No Disability	44846	474.06	79.18	7263	404.10	73.83
		Disability	1794	428.49	89.31	3998	368.73	78.55
	4	No Disability	44483	508.07	69.83	6368	441.91	70.45
		Disability	1613	463.95	82.10	4132	400.44	77.84
	5	No Disability	44841	535.69	70.36	6023	473.79	73.44
		Disability	1633	479.54	83.25	4205	425.92	74.01
	6	No Disability	46673	550.80	68.75	4081	487.38	73.99
		Disability	1774	487.48	82.10	3915	444.80	76.90
	7	No Disability	48384	568.64	63.03	3025	509.00	68.06
		Disability	2050	503.05	74.23	3380	463.74	75.06
	8	No Disability	49646	575.70	58.91	2941	527.55	67.95
		Disability	1939	506.38	70.15	3086	476.71	72.05
	9	No Disability	53142	579.70	66.66	1678	507.00	83.29
		Disability	2318	491.79	78.93	2666	479.30	78.60
	10	No Disability	49541	594.56	67.32	1110	530.72	81.90
		Disability	2065	513.09	76.27	2224	493.01	74.63
Science	5	No Disability	46033	564.10	51.41	4859	507.89	57.96
		Disability	1742	527.93	62.88	4088	495.86	58.91
	8	No Disability	50277	511.98	55.21	2296	447.56	63.93
		Disability	2110	453.02	64.92	2938	424.64	63.39
	10	No Disability	49678	510.02	55.97	978	429.79	73.09
		Disability	2144	446.47	70.25	2175	429.11	67.40
Spanish Reading	3	No Disability	1183	525.94	42.50	286	504.48	46.21
		Disability	38	489.29	51.83	65	472.49	51.48
	4	No Disability	191	522.59	39.92	70	529.71	38.11
		Disability	1*	.	.	2*	.	.
Spanish Writing	3	No Disability	1176	515.43	65.04	297	486.87	63.03
		Disability	40	449.83	78.55	65	436.05	55.87
	4	No Disability	192	512.41	38.13	69	511.28	40.85
		Disability	1*	.	.	2*	.	.

*Statistics are not provided for groups consisting of fewer than 16 students.

Table 228. Overall Estimates of Standard Error of Measurement

Content Area	Grade	Standard Error of Measurement
Reading	3	28.92
Reading	4	18.13
Reading	5	17.92
Reading	6	19.09
Reading	7	18.73
Reading	8	16.72
Reading	9	14.79
Reading	10	15.21
Spanish Reading	3	16.47
Spanish Reading	4	11.51
Writing	3	14.73
Writing	4	14.78
Writing	5	16.56
Writing	6	19.34
Writing	7	21.18
Writing	8	22.06
Writing	9	22.37
Writing	10	23.37
Spanish Writing	3	20.94
Spanish Writing	4	14.34
Mathematics	3	27.30
Mathematics	4	19.83
Mathematics	5	18.90
Mathematics	6	18.88
Mathematics	7	18.41
Mathematics	8	17.15
Mathematics	9	19.81
Mathematics	10	19.45
Science	5	16.06
Science	8	16.98
Science	10	15.31

Table 229. 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	200														
175	178	180	180												
200	158	200	160	220	164										
225	140	225	137	225	159										
250	122	250	116	250	136	260	172								
275	105	275	97	275	115	275	157								
300	89	300	80	300	97	300	132	300	147						
325	73	325	66	325	80	325	111	325	126	330	121				
350	58	350	53	350	66	350	92	350	107	350	104	350	138	370	166
375	45	375	42	375	53	375	76	375	89	375	85	375	114	375	161
400	35	400	34	400	43	400	62	400	72	400	69	400	93	400	136
425	27	425	27	425	34	425	49	425	57	425	56	425	76	425	111
450	23	450	22	450	28	450	39	450	44	450	45	450	61	450	89
475	20	475	19	475	23	475	31	475	33	475	35	475	48	475	69
500	19	500	16	500	19	500	25	500	26	500	27	500	37	500	53
525	20	525	14	525	16	525	20	525	20	525	21	525	27	525	39
550	21	550	13	550	15	550	16	550	17	550	17	550	20	550	28
575	22	575	13	575	14	575	14	575	15	575	14	575	14	575	20
600	24	600	14	600	13	600	13	600	13	600	13	600	12	600	15
625	26	625	15	625	14	625	13	625	13	625	13	625	11	625	12
650	29	650	17	650	15	650	13	650	14	650	13	650	11	650	11
675	35	675	19	675	16	675	15	675	14	675	13	675	11	675	10
700	42	700	21	700	19	700	16	700	15	700	14	700	12	700	11
725	51	725	23	725	23	725	17	725	17	725	15	725	12	725	11
750	62	750	27	750	27	750	20	750	20	750	18	750	14	750	13
775	74	775	34	775	32	775	24	775	25	775	22	775	18	775	16
795	84	800	41	800	38	800	30	800	31	800	27	800	25	800	20
		825	48	825	46	825	37	825	38	825	32	825	32	825	25
		850	56	850	56	850	45	850	46	850	39	850	41	850	30
		875	65	875	69	875	54	875	55	875	48	875	52	875	37
		900	75	900	82	900	65	900	65	900	59	900	64	900	44
		925	85	925	98	925	79	925	76	925	72	925	79	925	54
		940	92	950	115	950	94	950	88	950	88	950	97	950	64
				955	119	970	108	975	102	975	107	975	119	975	77
								980	105	990	120	995	138	999	90

Table 230. 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	163														
175	138	190	81												
200	113	200	74	220	65										
225	88	225	58	225	62	230	51	240	52						
250	63	250	44	250	49	250	43	250	48	250	47	260	46	270	42
275	43	275	33	275	38	275	36	275	42	275	41	275	42	275	40
300	29	300	26	300	29	300	31	300	37	300	37	300	36	300	35
325	20	325	21	325	24	325	27	325	33	325	33	325	33	325	33
350	15	350	18	350	21	350	24	350	30	350	30	350	31	350	31
375	12	375	15	375	18	375	22	375	27	375	26	375	28	375	29
400	11	400	12	400	16	400	20	400	23	400	24	400	25	400	26
425	11	425	11	425	14	425	18	425	20	425	21	425	23	425	23
450	12	450	11	450	13	450	16	450	18	450	19	450	20	450	20
475	14	475	12	475	13	475	15	475	16	475	17	475	17	475	18
500	17	500	15	500	14	500	15	500	15	500	17	500	16	500	17
525	21	525	18	525	16	525	16	525	16	525	17	525	16	525	17
550	23	550	22	550	18	550	17	550	17	550	18	550	17	550	18
575	26	575	25	575	21	575	19	575	20	575	19	575	19	575	20
600	31	600	29	600	24	600	22	600	22	600	22	600	20	600	21
625	41	625	35	625	28	625	24	625	24	625	24	625	23	625	23
650	59	650	42	650	33	650	27	650	26	650	27	650	25	650	24
675	84	675	50	675	39	675	31	675	29	675	30	675	27	675	26
680	89	700	60	700	47	700	35	700	33	700	34	700	30	700	27
		725	72	725	56	725	42	725	36	725	38	725	33	725	29
		730	74	750	69	750	49	750	40	750	43	750	37	750	33
				775	84	775	58	775	45	775	50	775	42	775	37
				780	87	800	69	800	51	800	58	800	49	800	44
						825	83	825	59	825	67	825	58	825	52
						840	92	850	68	850	79	850	69	850	61
								875	80	875	92	875	81	875	72
								890	88	900	108	900	96	900	84
										910	115	925	113	925	98
												930	117	950	113

Table 231. 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	58		
					275	46		
300	139	300	101		300	36	300	62
325	107	325	80		325	29	325	47
350	80	350	62		350	23	350	36
375	58	375	48		375	19	375	28
400	40	400	35		400	17	400	22
425	27	425	25		425	16	425	19
450	17	450	18		450	17	450	17
475	13	475	13		475	17	475	15
500	12	500	10		500	19	500	13
525	12	525	9		525	20	525	11
550	13	550	9		550	22	550	11
575	16	575	10		575	24	575	12
600	19	600	12		600	25	600	15
625	24	625	15		625	30	625	20
650	32	650	22		650	38	650	26
675	43	675	30		675	48	675	32
700	57	700	38		700	61	700	41
725	73	725	48		725	77	725	51
740	84	750	58		750	96	750	63
		775	69				775	78
		790	76				790	88

Table 232. 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	62														
175	53	180	50												
200	46	200	43	220	56										
225	40	225	37	225	54	240	57								
250	34	250	31	250	46	250	53								
275	29	275	27	275	38	275	45	280	77						
300	26	300	24	300	32	300	39	300	68	310	99				
325	23	325	21	325	28	325	34	325	59	325	87	340	78		
350	22	350	19	350	24	350	30	350	51	350	69	350	72	370	62
375	21	375	18	375	21	375	26	375	43	375	55	375	60	375	60
400	21	400	17	400	19	400	23	400	37	400	43	400	50	400	51
425	22	425	16	425	16	425	21	425	31	425	34	425	41	425	44
450	22	450	15	450	15	450	19	450	26	450	28	450	35	450	38
475	24	475	15	475	14	475	17	475	21	475	22	475	30	475	33
500	26	500	16	500	14	500	15	500	18	500	18	500	25	500	28
525	30	525	17	525	15	525	14	525	15	525	15	525	21	525	24
550	34	550	19	550	16	550	14	550	14	550	13	550	18	550	20
575	40	575	23	575	18	575	15	575	13	575	12	575	15	575	16
600	47	600	28	600	21	600	16	600	12	600	12	600	13	600	14
625	57	625	34	625	24	625	18	625	13	625	11	625	11	625	12
650	70	650	41	650	29	650	22	650	14	650	11	650	11	650	11
675	86	675	49	675	35	675	27	675	17	675	12	675	12	675	11
700	106	700	58	700	42	700	33	700	22	700	14	700	13	700	12
		725	69	725	50	725	41	725	28	725	20	725	16	725	14
		750	80	750	60	750	50	750	36	750	28	750	20	750	16
		775	93	775	73	775	60	775	45	775	39	775	26	775	21
		780	96	800	88	800	72	800	55	800	53	800	34	800	28
						825	86	825	67	825	69	825	44	825	37
						830	89	850	81	850	88	850	56	850	49
								860	87	875	111	875	69	875	63
										890	126	900	85	900	79
												920	99	925	98
														950	121

Table 233. Science Scale Scores and Associated Standard Errors

SC 5		SC 8		SC 10	
SS	SE	SS	SE	SS	SE
300	49	300	47	300	52
325	40	325	37	325	41
350	32	350	29	350	32
375	26	375	24	375	25
400	22	400	20	400	20
425	19	425	17	425	17
450	17	450	15	450	14
475	15	475	14	475	13
500	13	500	13	500	12
525	12	525	13	525	11
550	13	550	12	550	11
575	14	575	12	575	12
600	16	600	13	600	13
625	19	625	15	625	15
650	23	650	18	650	19
675	28	675	22	675	24
700	34	700	28	700	32
725	41	725	35	725	40
750	50	750	44	750	50
775	61	775	54	775	62
790	69	790	61	790	70

Table 234. Cut Scores for the 2007 CSAP Tests

Language	Content Area	Grade	Unsatisfactory	Partially Proficient	Proficient	Advanced
English	Reading	3	150-465	466-525	526-655	656-795
English	Reading	4	180-516	517-571	572-670	671-940
English	Reading	5	220-537	538-587	588-690	691-955
English	Reading	6	260-542	543-599	600-695	696-970
English	Reading	7	300-566	567-619	620-715	716-980
English	Reading	8	330-577	578-631	632-723	724-990
English	Reading	9	350-584	585-641	642-738	739-995
English	Reading	10	370-606	607-662	663-746	747-999
Spanish	Reading	3	300-481	482-512	513-575	576-740
Spanish	Reading	4	300-505	506-536	537-591	592-790
English	Writing	3	150-392	393-464	465-532	533-680
English	Writing	4	190-413	414-484	485-553	554-730
English	Writing	5	220-417	418-497	498-575	576-780
English	Writing	6	230-422	423-512	513-599	600-840
English	Writing	7	240-429	430-538	539-628	629-890
English	Writing	8	250-433	434-555	556-650	651-910
English	Writing	9	260-435	436-562	563-671	672-930
English	Writing	10	270-458	459-577	578-689	690-950
Spanish	Writing	3	250-447	448-498	499-574	575-750
Spanish	Writing	4	300-495	496-531	532-595	596-790
English	Mathematics	3	150-334	335-418	419-509	510-700
English	Mathematics	4	180-382	383-454	455-537	538-780
English	Mathematics	5	220-421	422-493	494-561	562-800
English	Mathematics	6	240-453	454-519	520-588	589-830
English	Mathematics	7	280-486	487-558	559-613	614-860
English	Mathematics	8	310-520	521-576	577-627	628-890
English	Mathematics	9	340-547	548-601	602-651	652-920
English	Mathematics	10	370-561	562-626	627-691	692-950
English	Science	5	300-506	507-568	569-613	614-790
English	Science	8	300-455	456-505	506-581	582-790
English	Science	10	300-471	472-512	513-590	591-790

Table 235. Alignment Summary, Reading & Writing

Grade	Score Reporting Category (SRC)	Number of items in the SRC	Number of PI	Number of PI Assessed	% of PI Assessed
3	1	40	7	6	86%
	2	21	4	2	50%
	3	32	6	5	83%
4	1	29	8	6	75%
	2	21	5	4	80%
	3	32	5	5	100%
	4	12	5	5	100%
	5	17	6	5	83%
	6	12	4	3	75%
5	1	23	7	5	71%
	2	21	7	7	100%
	3	32	5	5	100%
	4	20	5	5	100%
	5	15	7	5	71%
	6	12	4	2	50%
6	1	22	7	5	71%
	2	21	7	6	86%
	3	32	5	5	100%
	4	19	5	5	100%
	5	15	7	6	86%
	6	14	4	3	75%
7	1	21	9	4	44%
	2	21	8	7	88%
	3	32	6	5	83%
	4	18	5	3	60%
	5	17	7	6	86%
	6	14	4	3	75%
8	1	24	7	6	86%
	2	21	7	6	86%
	3	32	6	5	83%
	4	15	5	4	80%
	5	15	6	4	67%
	6	16	4	4	100%
9	1	21	7	6	86%
	2	21	8	6	75%
	3	32	6	5	83%
	4	15	5	3	60%
	5	19	6	6	100%
	6	15	5	3	60%
10	1	21	7	6	86%
	2	21	9	6	67%
	3	32	5	5	100%
	4	14	6	4	67%
	5	19	6	5	83%
	6	16	4	3	75%

Table 236. 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	7	54%
	2/3	11	10	7	70%
	4/5	14	15	11	73%
	6	7	9	6	67%
4	1	12	11	7	64%
	2	11	6	5	83%
	3	11	6	6	100%
	4/5	21	15	12	80%
	6	14	10	4	40%
5	1	16	13	11	85%
	2	12	7	6	86%
	3	11	15	7	47%
	4/5	15	24	13	54%
	6	15	12	7	58%
6	1	12	8	7	88%
	2	10	6	3	50%
	3	11	9	7	78%
	4/5	16	17	10	59%
	6	11	8	5	63%
7	1/6	19	18	11	61%
	2	12	5	4	80%
	3	12	9	8	89%
	4/5	17	14	11	79%
8	1/6	15	10	7	70%
	2	15	6	5	83%
	3	12	9	6	67%
	4/5	18	11	9	82%
9	1/6	14	9	7	78%
	2	17	12	11	92%
	3	15	14	13	93%
	4/5	14	9	9	100%
10	1/6	14	11	8	73%
	2	17	14	12	86%
	3	15	22	14	64%
	4/5	14	17	12	71%

Table 237. Alignment Summary, Science

Grade	Score Reporting Category (SRC)	Number of items in the SRC	Number of PI	Number of PI Assessed	% of PI Assessed
5	1/6	32	9	4	44%
	2/5	15	13	7	54%
	3/5	14	17	9	53%
	4/5	14	20	9	45%
8	1/6	33	16	8	50%
	2/5	16	15	9	60%
	3/5	17	22	12	55%
	4/5	17	19	9	47%
10	1/6	32	17	8	47%
	2/5	17	14	8	57%
	3/5	16	27	8	30%
	4/5	18	23	11	48%

Table 238. Alignment Summary, Spanish Reading & Writing

Grade	Score Reporting Category (SRC)	Number of items in the SRC	Number of PI	Number of PI Assessed	% of PI Assessed
3	1	40	7	5	71%
	2	21	4	1	25%
	3	32	5	5	100%
4	1	31	8	6	75%
	2	19	5	4	80%
	3	34	5	4	80%
	4	14	5	5	100%
	5	13	6	3	50%
	6	12	4	4	100%

Table 239. Items Flagged for DIF by Ethnicity Focal Group

Content Area	Grade	Item #	Item Type	Ethnicity Focal Group[1]								
				Asian			Black			Hispanic		
				Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd
Mathematics	4	69	CR	+	2060	0.111	.	.	.	+	16324	0.101
	8	2	CR	.	.	.	+	3552	0.102	.	.	.
		27	MC	.	.	.	.	.	.	*	15186	-0.109
		29	MC	.	.	.	.	.	.	*	15186	-0.101
		60	CR	.	.	.	+	3552	0.117	.	.	.
	9	6	CR	+	1857	0.104	.	.	.	.	.	.
	10	1	MC	*	1779	-0.110	.	.	.	.	.	.
		27	CR	*	1779	-0.183	.	.	.	.	.	.
Reading	3	12	CR	+	2068	0.130	.	.	.	.	.	.
		15	CR	.	.	.	.	.	.	+	15677	0.106
	4	45	CR	.	.	.	*	3226	-0.132	.	.	.
		63	CR	+	2058	0.112	.	.	.	.	.	.
	5	22	CR	+	1966	0.118	.	.	.	.	.	.
		24	CR	+	1966	0.123	.	.	.	.	.	.
		53	CR	+	1966	0.109	.	.	.	.	.	.
		54	CR	+	1966	0.175	.	.	.	.	.	.
	6	26	CR	.	.	.	.	.	.	+	15352	0.108
		36	CR	+	1983	0.124	+	3353	0.160	.	.	.
		64	CR	+	1983	0.226	.	.	.	.	.	.
	7	2	CR	+	1841	0.124	.	.	.	.	.	.
		11	CR	+	1841	0.116	.	.	.	.	.	.
		38	CR	+	1841	0.201	.	.	.	.	.	.
		48	CR	*	1841	-0.106	.	.	.	.	.	.
	8	10	CR	.	.	.	.	.	.	+	15145	0.105
		24	CR	+	1732	0.135	.	.	.	.	.	.
		26	CR	.	.	.	+	3562	0.121	.	.	.
		62	CR	+	1732	0.110	.	.	.	.	.	.
		65	CR	+	1732	0.117	.	.	.	+	15145	0.104
	9	2	CR	.	.	.	+	3654	0.136	.	.	.
		10	CR	.	.	.	.	.	.	+	15178	0.100
		41	CR	+	1851	0.124	.	.	.	.	.	.
		44	CR	+	1851	0.127	.	.	.	.	.	.
		55	CR	+	1851	0.106	+	3654	0.108	.	.	.
		59	CR	+	1851	0.133	.	.	.	.	.	.
		61	CR	+	1851	0.121	.	.	.	.	.	.
	10	7	CR	+	1769	0.119	.	.	.	.	.	.
		11	CR	+	1769	0.113	+	3233	0.132	+	12577	0.115
		27	CR	+	1769	0.129	.	.	.	.	.	.
		29	CR	+	1769	0.144	.	.	.	.	.	.
		35	CR	*	1769	-0.110	.	.	.	.	.	.
		46	CR	+	1769	0.110	.	.	.	.	.	.

1. Flag + = favoring and * = disfavoring

Table 239. Items Flagged for DIF by Ethnicity Focal Group (Concluded)

Content Area	Grade	Item #	Item Type	Ethnicity Focal Group[1]								
				Asian			Black			Hispanic		
				Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd
Science	8	22	CR	+	1736	0.167	.	.	.	.	.	.
		41	CR	+	1736	0.120	.	.	.	.	.	.
		78	CR	+	1736	0.111	.	.	.	.	.	.
	10	22	CR	+	1776	0.193	.	.	.	+	12720	0.150
		71	CR	*	1776	-0.116	.	.	.	.	.	.
Writing	3	10	MC	*	2070	-0.102	.	.	.	.	.	.
	7	5	CR	*	1837	-0.156	.	.	.	.	.	.
	8	6	CR	+	1733	0.101	.	.	.	.	.	.
		44	MC	*	1733	-0.118	.	.	.	.	.	.
	9	5	CR	*	1849	-0.132	.	.	.	.	.	.
		52	CR	+	1849	0.101	.	.	.	+	15172	0.105
		53	CR	+	1849	0.110	.	.	.	+	15172	0.101
	10	29	MC	*	1768	-0.123	.	.	.	.	.	.
		30	MC	*	1768	-0.104	.	.	.	.	.	.
		33	CR	.	.	.	.	.	.	+	12566	0.137
		53	CR	+	1768	0.127	.	.	.	.	.	.

1. Flag + = favoring and * = disfavoring

Table 240. Items Flagged for DIF by Gender Focal Group,

Content Area	Grade	Item #	Item Type	Gender Focal Group[1]					
				Female			Male		
				Flag	N	Obs-Prd	Flag	N	Obs-Prd
Mathematics	7	60	CR	+	27734	0.132	*	29095	-0.128
	9	40	CR	+	29279	0.162	*	30537	-0.137
Reading	3	15	CR	+	27525	0.106	*	28656	-0.104
	8	65	CR	+	28116	0.104	.	.	.
	10	7	CR	+	26874	0.118	*	27817	-0.116
		11	CR	+	26874	0.123	*	27817	-0.125
		29	CR	+	26874	0.117	*	27817	-0.121
Science	8	22	CR	+	28121	0.103	.	.	.
	10	22	CR	+	26997	0.110	.	.	.
Writing	4	25	CR	.	.	.	*	28601	-0.101
	6	31	CR	+	27435	0.137	*	28933	-0.131
	7	21	CR	+	27700	0.129	*	29051	-0.137
	8	28	CR	+	28121	0.114	*	29495	-0.115
		53	CR	+	28121	0.116	*	29495	-0.117
	9	52	CR	+	29152	0.148	*	30339	-0.140
		53	CR	+	29152	0.105	*	30339	-0.115
	10	33	CR	+	26842	0.164	*	27818	-0.166

1. Flag + = favoring and * = disfavoring

Table 241. Items Flagged for DIF by Accommodations Focal Group

				Accommodations Focal Group[1]											
				Extended Timing			Oral Test			Scribe			Teacher Read Directions		
Content Area	Grade	Item #	Item Type	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd
Math-ematics	3	10	CR	.	.	.	+	5818	0.119	.	.	.	.	.	.
		20	CR	.	.	.	.	.	.	+	639	0.223	.	.	.
		26	MC	.	.	.	.	.	.	+	639	0.103	.	.	.
		31	CR	.	.	.	.	.	.	+	639	0.130	.	.	.
		32	MC	.	.	.	*	5818	-0.112	*	639	-0.116	.	.	.
		38	CR	.	.	.	+	5818	0.187	+	639	0.185	.	.	.
	4	23	CR	.	.	.	.	.	.	+	641	0.106	.	.	.
		27	CR	.	.	.	+	4924	0.157	+	641	0.124	.	.	.
		30	CR	.	.	.	.	.	.	+	641	0.116	.	.	.
		37	MC	.	.	.	.	.	.	*	641	-0.120	.	.	.
		46	CR	.	.	.	+	4924	0.141	+	641	0.152	.	.	.
		56	CR	.	.	.	.	.	.	+	641	0.283	.	.	.
	5	3	CR	.	.	.	+	4372	0.116	.	.	.	.	.	.
		9	CR	.	.	.	.	.	.	+	523	0.125	.	.	.
		12	CR	.	.	.	+	4372	0.211	+	523	0.175	.	.	.
		32	MC	.	.	.	.	.	.	+	523	0.111	.	.	.
		44	CR	.	.	.	.	.	.	*	523	-0.113	.	.	.
		46	CR	.	.	.	+	4372	0.132	+	523	0.254	.	.	.
		54	CR	.	.	.	*	4372	-0.130	+	523	0.231	.	.	.
		57	CR	.	.	.	.	.	.	*	523	-0.100	.	.	.
	6	8	CR	.	.	.	+	2999	0.105	.	.	.	.	.	.
		20	CR	.	.	.	+	2999	0.121	+	403	0.166	.	.	.
		30	CR	.	.	.	.	.	.	*	403	-0.130	.	.	.
		33	CR	.	.	.	.	.	.	*	403	-0.121	.	.	.
		35	MC	.	.	.	.	.	.	*	403	-0.104	.	.	.
		37	CR	.	.	.	.	.	.	+	403	0.158	.	.	.
		44	CR	.	.	.	*	2999	-0.128	.	.	.	.	.	.
		48	CR	.	.	.	+	2999	0.172	+	403	0.111	+	1105	0.143
		51	CR	.	.	.	.	.	.	*	403	-0.108	.	.	.
		60	CR	.	.	.	.	.	.	*	403	-0.175	*	1105	-0.107
	7	43	CR	.	.	.	*	2279	-0.109	.	.	.	.	.	.
		53	CR	.	.	.	+	2279	0.129	.	.	.	+	1047	0.115
		60	CR	.	.	.	.	.	.	*	287	-0.251	*	1047	-0.142
	8	2	CR	.	.	.	.	.	.	*	214	-0.154	.	.	.
		10	CR	.	.	.	.	.	.	+	214	0.163	.	.	.
		20	CR	.	.	.	.	.	.	+	214	0.174	.	.	.
		27	MC	*	2694	-0.101	*	2197	-0.121	.	.	.	*	837	-0.107
		29	MC	.	.	.	*	2197	-0.126	.	.	.	*	837	-0.143
		40	CR	.	.	.	+	2197	0.101	+	214	0.254	.	.	.
		51	MC	.	.	.	+	2197	0.113	.	.	.	+	837	0.118
		53	CR	.	.	.	.	.	.	.	.	.	*	837	-0.122
		60	CR	.	.	.	.	.	.	*	214	-0.160	.	.	.
	9	2	MC	.	.	.	+	945	0.118	.	.	.	.	.	.
		4	MC	.	.	.	.	.	.	+	116	0.131	.	.	.
		40	CR	*	2514	-0.115	.	.	.	*	116	-0.249	*	711	-0.108
		47	MC	.	.	.	*	945	-0.102	.	.	.	.	.	.
		54	CR	*	2514	-0.102	*	945	-0.113	.	.	.	.	.	.
	10	12	CR	.	.	.	.	.	.	.	.	.	+	511	0.101
		14	MC	.	.	.	+	692	0.146	.	.	.	+	511	0.148
		15	CR	.	.	.	.	.	.	.	.	.	*	511	-0.115
		26	MC	.	.	.	.	.	.	.	.	.	+	511	0.110
		37	MC	.	.	.	.	.	.	+	86	0.147	.	.	.

1. Flag + = favoring and * = disfavoring

Table 241. Items Flagged for DIF by Accommodations Focal Group (Continued)

				Accommodations Focal Group[1]											
				Extended Timing			Oral Test			Scribe			Teacher Read Directions		
Content Area	Grade	Item #	Item Type	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd
Reading	4	27	CR	.	.	.	.	.	.	+	983	0.105	.	.	.
		37	CR	.	.	.	.	.	.	+	983	0.125	.	.	.
		45	CR	.	.	.	.	.	.	+	983	0.150	.	.	.
		63	CR	.	.	.	.	.	.	+	983	0.188	.	.	.
	5	5	CR	.	.	.	.	.	.	*	866	-0.101	.	.	.
		14	CR	.	.	.	.	.	.	+	866	0.122	.	.	.
	6	26	CR	.	.	.	.	.	.	*	554	-0.116	.	.	.
		34	CR	.	.	.	.	.	.	*	554	-0.110	.	.	.
		36	CR	.	.	.	.	.	.	.	.	.	*	2414	-0.100
		50	MC	.	.	.	.	.	.	+	554	0.102	.	.	.
		52	CR	.	.	.	.	.	.	+	554	0.232	.	.	.
	7	5	MC	.	.	.	.	.	.	+	401	0.111	.	.	.
		16	CR	.	.	.	.	.	.	+	401	0.191	.	.	.
		29	CR	.	.	.	.	.	.	*	401	-0.101	*	2091	-0.128
		37	CR	.	.	.	.	.	.	+	401	0.105	.	.	.
		38	CR	.	.	.	.	.	.	*	401	-0.121	.	.	.
	8	2	MC	.	.	.	.	.	.	*	302	-0.120	.	.	.
		10	CR	.	.	.	.	.	.	*	302	-0.289	.	.	.
		24	CR	.	.	.	.	.	.	+	302	0.131	.	.	.
		26	CR	.	.	.	.	.	.	.	.	.	*	1865	-0.123
		35	CR	.	.	.	.	.	.	+	302	0.133	+	1865	0.125
		65	CR	+	3433	0.153	.	.	.	.	.	.	+	1865	0.234
	9	2	CR	*	2655	-0.127	.	.	.	.	.	.	.	.	.
		10	CR	.	.	.	.	.	.	*	145	-0.244	.	.	.
		20	MC	.	.	.	.	.	.	*	145	-0.104	.	.	.
		22	CR	.	.	.	.	.	.	*	145	-0.183	.	.	.
		32	MC	.	.	.	.	.	.	*	145	-0.118	.	.	.
		56	MC	.	.	.	.	.	.	*	145	-0.202	.	.	.
		66	MC	.	.	.	.	.	.	+	145	0.157	.	.	.
		67	MC	.	.	.	.	.	.	.	.	.	+	1129	0.107
	10	47	CR	.	.	.	.	.	.	+	108	0.271	.	.	.
		58	MC	.	.	.	.	.	.	+	108	0.122	.	.	.
		69	MC	.	.	.	.	.	.	+	108	0.127	.	.	.
Science	5	7	MC	.	.	.	.	.	.	*	620	-0.104	.	.	.
		8	MC	.	.	.	.	.	.	*	620	-0.120	.	.	.
		25	CR	.	.	.	.	.	.	+	620	0.178	.	.	.
		45	CR	.	.	.	.	.	.	+	620	0.134	.	.	.
		53	CR	.	.	.	.	.	.	+	620	0.116	.	.	.
		55	CR	.	.	.	.	.	.	+	620	0.108	.	.	.
		58	CR	.	.	.	.	.	.	+	620	0.115	.	.	.
		65	MC	.	.	.	+	4230	0.113	.	.	.	.	.	.
		68	CR	.	.	.	.	.	.	+	620	0.105	.	.	.
		73	MC	.	.	.	.	.	.	*	620	-0.137	.	.	.

1. Flag + = favoring and * = disfavoring

Table 241. Items Flagged for DIF by Accommodations Focal Group (Continued)

				Accommodations Focal Group[1]											
				Extended Timing			Oral Test			Scribe			Teacher Read Directions		
Content Area	Grade	Item #	Item Type	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd
Science	8	2	CR	.	.	.	.	.	.	+	253	0.104	.	.	.
		15	MC	.	.	.	.	.	.	*	253	-0.139	.	.	.
		22	CR	.	.	.	*	2228	-0.104	*	253	-0.635	.	.	.
		39	CR	.	.	.	*	2228	-0.144	*	253	-0.159	*	809	-0.111
		41	CR	.	.	.	+	2228	0.115	.	.	.	.	.	.
		66	CR	.	.	.	*	2228	-0.109	.	.	.	.	.	.
	10	10	MC	.	.	.	.	.	.	+	90	0.146	.	.	.
		22	CR	*	1772	-0.169	*	730	-0.173	*	90	-0.462	.	.	.
		23	CR	*	1772	-0.126	*	730	-0.104	.	.	.	*	505	-0.114
		35	CR	*	1772	-0.115	*	730	-0.139	.	.	.	.	.	.
		40	CR	.	.	.	*	730	-0.136	.	.	.	.	.	.
		53	CR	.	.	.	.	.	.	*	90	-0.146	.	.	.
		68	MC	.	.	.	.	.	.	+	90	0.127	.	.	.
		83	CR	.	.	.	*	730	-0.101	.	.	.	.	.	.
Writing	3	3	CR	.	.	.	.	.	.	*	980	-0.107	.	.	.
		5	CR	.	.	.	*	4294	-0.110	*	980	-0.219	.	.	.
		6	CR	.	.	.	.	.	.	*	980	-0.119	.	.	.
		9	MC	.	.	.	+	4294	0.122	+	980	0.137	.	.	.
		10	MC	.	.	.	.	.	.	*	980	-0.121	.	.	.
		22	CR	.	.	.	.	.	.	+	980	0.166	.	.	.
		39	CR	.	.	.	.	.	.	+	980	0.157	.	.	.
		40	MC	.	.	.	.	.	.	*	980	-0.100	.	.	.
		42	MC	.	.	.	.	.	.	*	980	-0.142	.	.	.
		52	CR	.	.	.	.	.	.	+	980	0.127	.	.	.
		53	CR	.	.	.	.	.	.	+	980	0.194	.	.	.
	4	4	CR	.	.	.	.	.	.	+	869	0.113	.	.	.
		8	CR	.	.	.	.	.	.	+	869	0.122	.	.	.
		9	CR	.	.	.	.	.	.	+	869	0.123	.	.	.
		10	CR	.	.	.	.	.	.	+	869	0.105	.	.	.
		11	CR	.	.	.	.	.	.	+	869	0.331	.	.	.
		17	MC	.	.	.	+	4304	0.133	+	869	0.111	.	.	.
		21	MC	.	.	.	.	.	.	*	869	-0.126	.	.	.
		25	CR	.	.	.	.	.	.	+	869	0.138	.	.	.
		39	MC	.	.	.	+	4304	0.148	.	.	.	.	.	.
		41	MC	.	.	.	+	4304	0.102	.	.	.	.	.	.
		51	MC	.	.	.	+	4304	0.133	.	.	.	.	.	.
		53	CR	.	.	.	.	.	.	+	869	0.136	.	.	.
	5	8	CR	.	.	.	.	.	.	+	798	0.157	.	.	.
		9	CR	.	.	.	.	.	.	+	798	0.120	.	.	.
		10	CR	.	.	.	.	.	.	+	798	0.111	.	.	.
		30	CR	.	.	.	.	.	.	+	798	0.177	.	.	.
		52	CR	.	.	.	+	3927	0.138	+	798	0.330	+	1267	0.105
	6	5	CR	.	.	.	.	.	.	*	521	-0.106	.	.	.
		8	CR	.	.	.	.	.	.	*	521	-0.126	.	.	.
		52	CR	.	.	.	.	.	.	.	.	.	+	1085	0.104
	7	2	CR	.	.	.	*	2026	-0.113	*	399	-0.130	.	.	.
		8	CR	.	.	.	+	2026	0.113	.	.	.	.	.	.
		10	CR	.	.	.	.	.	.	+	399	0.134	.	.	.
		29	MC	.	.	.	+	2026	0.114	.	.	.	.	.	.
		53	CR	.	.	.	+	2026	0.106	.	.	.	.	.	.

1. Flag + = favoring and * = disfavoring

Table 241. Items Flagged for DIF by Accommodations Focal Group (Concluded)

				Accommodations Focal Group[1]											
				Extended Timing			Oral Test			Scribe			Teacher Read Directions		
Content Area	Grade	Item #	Item Type	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd
Writing	8	2	CR	.	.	.	.	.	.	*	312	-0.152	.	.	.
		7	CR	.	.	.	.	.	.	*	312	-0.109	.	.	.
		10	CR	.	.	.	.	.	.	+	312	0.160	.	.	.
		11	CR	+	2689	0.103	+	1976	0.145	.	.	.	.	.	.
		13	MC	.	.	.	.	.	.	*	312	-0.114	.	.	.
		17	MC	.	.	.	.	.	.	*	312	-0.111	.	.	.
		28	CR	+	2689	0.106	.	.	.	.	.	.	.	.	.
		30	MC	.	.	.	.	.	.	*	312	-0.115	.	.	.
		48	MC	.	.	.	.	.	.	*	312	-0.109	.	.	.
		53	CR	+	2689	0.132	+	1976	0.142	+	312	0.155	.	.	.
	9	10	CR	.	.	.	.	.	.	+	166	0.103	.	.	.
		18	MC	.	.	.	.	.	.	*	166	-0.109	.	.	.
		46	MC	.	.	.	.	.	.	+	166	0.110	.	.	.
		49	MC	.	.	.	.	.	.	+	166	0.106	.	.	.
		52	CR	.	.	.	+	951	0.161	.	.	.	.	.	.
	10	4	CR	.	.	.	.	.	.	*	119	-0.119	.	.	.
		5	CR	.	.	.	*	697	-0.106	.	.	.	.	.	.
		6	CR	.	.	.	*	697	-0.131	.	.	.	*	430	-0.130
		7	CR	.	.	.	*	697	-0.102	.	.	.	.	.	.
		10	CR	.	.	.	.	.	.	+	119	0.159	.	.	.
		11	CR	.	.	.	+	697	0.264	.	.	.	+	430	0.164
		17	MC	.	.	.	.	.	.	*	119	-0.124	.	.	.
		44	MC	.	.	.	.	.	.	*	119	-0.116	.	.	.
		53	CR	.	.	.	+	697	0.118	.	.	.	.	.	.
Spanish Writing	3	41	MC	.	.	.	*	51	-0.165	.	.	.	.	.	.
		52	CR	.	.	.	.	.	.	.	.	.	*	65	-0.135

1. Flag + = favoring and * = disfavoring

Table 242. Items Flagged for DIF by Primary Disability State Focal Group

				Primary Disability State Focal Group[1]											
				Emotional			Specific Learning Disability			Physical			Speech/Language		
Content Area	Grade	Item #	Item Type	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd
Math-ematics	3	14	CR	.	.	.	*	2492	-0.110	.	.	.	.	.	.
		32	MC	.	.	.	*	2492	-0.117	.	.	.	.	.	.
		34	CR	*	391	-0.121	.	.	.	.	.	.	.	.	.
		38	CR	.	.	.	+	2492	0.180	+	595	0.113	.	.	.
	4	27	CR	.	.	.	+	2872	0.126	.	.	.	.	.	.
		37	MC	.	.	.	*	2872	-0.117	.	.	.	.	.	.
		38	CR	*	424	-0.123	.	.	.	.	.	.	.	.	.
		39	CR	*	424	-0.104	.	.	.	.	.	.	.	.	.
		46	CR	.	.	.	+	2872	0.135	.	.	.	+	1490	0.112
	5	12	CR	.	.	.	+	3001	0.157	+	759	0.110	.	.	.
		44	CR	.	.	.	*	3001	-0.128	.	.	.	.	.	.
		46	CR	.	.	.	+	3001	0.141	+	759	0.129	.	.	.
		54	CR	*	520	-0.114	.	.	.	.	.	.	.	.	.
		69	CR	*	520	-0.239	.	.	.	*	759	-0.106	.	.	.
	6	12	CR	*	599	-0.122	.	.	.	.	.	.	.	.	.
		30	CR	*	599	-0.130	.	.	.	*	773	-0.108	.	.	.
		33	CR	*	599	-0.115	*	3023	-0.143	*	773	-0.211	.	.	.
		37	CR	+	599	0.127	.	.	.	.	.	.	.	.	.
		45	MC	*	599	-0.108	.	.	.	.	.	.	.	.	.
		48	CR	.	.	.	+	3023	0.157	+	773	0.103	+	971	0.148
		60	CR	*	599	-0.267	*	3023	-0.112	*	773	-0.254	.	.	.
	7	43	CR	*	720	-0.108	.	.	.	.	.	.	.	.	.
		53	CR	.	.	.	+	2856	0.106	+	795	0.123	.	.	.
		57	CR	*	720	-0.166	.	.	.	.	.	.	.	.	.
		60	CR	*	720	-0.261	*	2856	-0.115	*	795	-0.217	.	.	.
	8	7	CR	*	729	-0.117	.	.	.	.	.	.	.	.	.
		10	CR	+	729	0.112	.	.	.	.	.	.	.	.	.
		27	MC	.	.	.	*	2614	-0.103	.	.	.	*	581	-0.103
		28	CR	*	729	-0.111	.	.	.	.	.	.	.	.	.
		29	MC	*	729	-0.118	*	2614	-0.132	*	719	-0.117	*	581	-0.123
		51	MC	.	.	.	.	.	.	.	.	.	+	581	0.117
	9	2	MC	.	.	.	.	.	.	.	.	.	+	459	0.109
		35	CR	+	809	0.138	.	.	.	.	.	.	.	.	.
		40	CR	*	809	-0.179	*	2617	-0.125	*	783	-0.175	.	.	.
		54	CR	*	809	-0.113	*	2617	-0.107	.	.	.	*	459	-0.112
		60	CR	*	809	-0.176	.	.	.	.	.	.	.	.	.
	10	17	MC	+	642	0.109	.	.	.	.	.	.	.	.	.
		26	MC	.	.	.	.	.	.	.	.	.	+	355	0.106
		35	CR	+	642	0.152	.	.	.	+	680	0.105	.	.	.
		40	CR	*	642	-0.152	.	.	.	.	.	.	.	.	.
		52	CR	*	642	-0.131	.	.	.	.	.	.	.	.	.
Reading	3	12	CR	*	379	-0.414	*	2405	-0.159	*	587	-0.200	.	.	.
		15	CR	*	379	-0.161	.	.	.	.	.	.	.	.	.
		18	CR	*	379	-0.107	.	.	.	.	.	.	.	.	.
		21	CR	*	379	-0.144	.	.	.	.	.	.	.	.	.
		27	CR	*	379	-0.160	.	.	.	.	.	.	.	.	.
		33	MC	+	379	0.110	.	.	.	.	.	.	.	.	.

1. Flag + = favoring and * = disfavoring

Table 242. Items Flagged for DIF by Primary Disability State Focal Group (Continued)

				Primary Disability State Focal Group[1]											
				Emotional			Specific Learning Disability			Physical			Speech/Language		
Content Area	Grade	Item #	Item Type	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd
Reading	4	8	CR	.	.	.	.	.	.	*	628	-0.106	.	.	.
		14	CR	*	420	-0.135	.	.	.	.	.	.	.	.	.
		15	CR	.	.	.	.	.	.	*	628	-0.100	.	.	.
		26	CR	*	420	-0.119	.	.	.	.	.	.	.	.	.
		37	CR	*	420	-0.139	.	.	.	.	.	.	.	.	.
		42	CR	*	420	-0.107	.	.	.	.	.	.	.	.	.
		57	CR	*	420	-0.144	.	.	.	.	.	.	.	.	.
		63	CR	*	420	-0.100	.	.	.	.	.	.	.	.	.
	5	5	CR	*	520	-0.159	.	.	.	*	747	-0.105	.	.	.
		24	CR	*	520	-0.287	.	.	.	*	747	-0.152	.	.	.
		33	CR	*	520	-0.152	.	.	.	.	.	.	.	.	.
		51	MC	.	.	.	.	.	.	+	747	0.106	.	.	.
		54	CR	.	.	.	.	.	.	*	747	-0.102	.	.	.
		60	CR	*	520	-0.117	.	.	.	.	.	.	.	.	.
	6	16	CR	*	596	-0.273	.	.	.	*	773	-0.122	.	.	.
		26	CR	*	596	-0.277	.	.	.	*	773	-0.333	.	.	.
		34	CR	*	596	-0.102	.	.	.	.	.	.	.	.	.
		36	CR	*	596	-0.199	.	.	.	*	773	-0.120	.	.	.
		37	CR	*	596	-0.108	.	.	.	.	.	.	.	.	.
		64	CR	*	596	-0.204	.	.	.	*	773	-0.160	.	.	.
	7	1	CR	*	723	-0.134	.	.	.	.	.	.	.	.	.
		2	CR	*	723	-0.174	.	.	.	*	795	-0.111	.	.	.
		5	MC	+	723	0.110	.	.	.	.	.	.	.	.	.
		11	CR	*	723	-0.162	.	.	.	*	795	-0.116	.	.	.
		19	CR	*	723	-0.122	.	.	.	.	.	.	.	.	.
		29	CR	*	723	-0.200	.	.	.	*	795	-0.170	.	.	.
		38	CR	*	723	-0.198	*	2834	-0.101	*	795	-0.217	.	.	.
	8	10	CR	*	712	-0.124	*	2626	-0.107	*	724	-0.137	.	.	.
		11	CR	*	712	-0.109	.	.	.	.	.	.	.	.	.
		24	CR	*	712	-0.217	.	.	.	*	724	-0.108	.	.	.
		26	CR	*	712	-0.191	*	2626	-0.104	*	724	-0.158	.	.	.
		62	CR	*	712	-0.168	.	.	.	*	724	-0.104	.	.	.
		65	CR	*	712	-0.279	+	2626	0.144	.	.	.	+	580	0.202
	9	2	CR	.	.	.	*	2581	-0.116	.	.	.	.	.	.
		10	CR	*	804	-0.116	.	.	.	.	.	.	.	.	.
		22	CR	*	804	-0.171	.	.	.	*	767	-0.177	.	.	.
		39	CR	*	804	-0.102	.	.	.	.	.	.	.	.	.
		41	CR	*	804	-0.171	.	.	.	.	.	.	.	.	.
		42	MC	.	.	.	.	.	.	+	767	0.105	.	.	.
		44	CR	*	804	-0.151	.	.	.	*	767	-0.106	.	.	.
		60	CR	*	804	-0.174	.	.	.	*	767	-0.126	.	.	.
		61	CR	*	804	-0.106	.	.	.	*	767	-0.103	.	.	.
	10	7	CR	*	629	-0.143	.	.	.	.	.	.	.	.	.
		11	CR	*	629	-0.229	*	2266	-0.103	.	.	.	.	.	.
		12	CR	*	629	-0.111	.	.	.	.	.	.	.	.	.
		26	MC	.	.	.	.	.	.	.	.	.	*	349	-0.120
		27	CR	*	629	-0.118	.	.	.	.	.	.	.	.	.
		29	CR	*	629	-0.178	.	.	.	*	685	-0.179	.	.	.
		46	CR	*	629	-0.111	.	.	.	.	.	.	.	.	.
		47	CR	*	629	-0.183	.	.	.	*	685	-0.109	+	349	0.155
		54	CR	*	629	-0.120	.	.	.	.	.	.	.	.	.
		66	MC	+	629	0.113	.	.	.	.	.	.	.	.	.
		69	MC	+	629	0.114	.	.	.	+	685	0.103	.	.	.

1. Flag + = favoring and * = disfavoring

Table 242. Items Flagged for DIF by Primary Disability State Focal Group (Continued)

				Primary Disability State Focal Group[1]											
				Emotional			Specific Learning Disability			Physical			Speech/Language		
Content Area	Grade	Item #	Item Type	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd
Science	8	7	CR	+	725	0.102	.	.	.	+	727	0.105	.	.	.
		22	CR	*	725	-0.451	*	2632	-0.280	*	727	-0.365	.	.	.
		39	CR	*	725	-0.171	*	2632	-0.132	*	727	-0.142	.	.	.
		41	CR	.	.	.	.	.	.	.	.	.	+	584	0.158
	10	10	MC	+	647	0.143	.	.	.	+	690	0.124	+	355	0.104
		22	CR	*	647	-0.561	*	2294	-0.220	*	690	-0.447	.	.	.
		23	CR	*	647	-0.219	*	2294	-0.115	*	690	-0.147	.	.	.
		29	CR	+	647	0.148	+	2294	0.116	+	690	0.106	.	.	.
		35	CR	*	647	-0.207	.	.	.	*	690	-0.139	.	.	.
		50	CR	.	.	.	.	.	.	+	690	0.126	.	.	.
		53	CR	*	647	-0.140	.	.	.	.	.	.	.	.	.
		68	MC	+	647	0.113	+	2294	0.120	+	690	0.108	.	.	.
Writing	3	5	CR	.	.	.	*	2400	-0.173	.	.	.	.	.	.
		9	MC	.	.	.	+	2400	0.107	.	.	.	.	.	.
		11	MC	+	389	0.115	.	.	.	.	.	.	.	.	.
		38	CR	.	.	.	.	.	.	*	585	-0.102	.	.	.
		52	CR	*	389	-0.124	.	.	.	.	.	.	.	.	.
	4	3	CR	*	418	-0.137	.	.	.	.	.	.	.	.	.
		7	CR	.	.	.	*	2833	-0.109	.	.	.	.	.	.
		8	CR	*	418	-0.167	.	.	.	.	.	.	.	.	.
		9	CR	*	418	-0.189	.	.	.	.	.	.	.	.	.
		11	CR	*	418	-0.176	.	.	.	.	.	.	.	.	.
		13	MC	+	418	0.104	.	.	.	.	.	.	.	.	.
		17	MC	+	418	0.139	+	2833	0.119	+	630	0.114	.	.	.
		25	CR	*	418	-0.343	.	.	.	*	630	-0.166	.	.	.
		48	MC	.	.	.	.	.	.	+	630	0.101	.	.	.
		53	CR	*	418	-0.289	.	.	.	*	630	-0.126	.	.	.
	5	9	CR	*	521	-0.149	.	.	.	.	.	.	.	.	.
		13	MC	.	.	.	.	.	.	.	.	.	*	1264	-0.103
		30	CR	*	521	-0.172	.	.	.	.	.	.	.	.	.
		42	MC	+	521	0.102	.	.	.	.	.	.	.	.	.
		52	CR	.	.	.	+	3004	0.135	.	.	.	+	1264	0.113
		53	CR	*	521	-0.168	.	.	.	*	748	-0.104	.	.	.
	6	8	CR	*	599	-0.168	.	.	.	*	775	-0.133	.	.	.
		9	CR	*	599	-0.167	.	.	.	*	775	-0.137	.	.	.
		18	MC	+	599	0.127	.	.	.	.	.	.	.	.	.
		31	CR	*	599	-0.286	.	.	.	*	775	-0.150	.	.	.
		52	CR	*	599	-0.202	.	.	.	*	775	-0.105	.	.	.
		53	CR	*	599	-0.298	.	.	.	*	775	-0.152	.	.	.
	7	2	CR	.	.	.	.	.	.	.	.	.	*	731	-0.123
		4	CR	.	.	.	*	2840	-0.112	.	.	.	.	.	.
		8	CR	*	727	-0.171	.	.	.	*	794	-0.151	.	.	.
		9	CR	*	727	-0.190	.	.	.	*	794	-0.119	.	.	.
		11	CR	*	727	-0.170	.	.	.	*	794	-0.149	.	.	.
		21	CR	*	727	-0.219	.	.	.	*	794	-0.166	.	.	.
		53	CR	*	727	-0.155	.	.	.	.	.	.	.	.	.
	8	2	CR	.	.	.	*	2628	-0.115	.	.	.	.	.	.
		8	CR	*	716	-0.162	.	.	.	.	.	.	.	.	.
		9	CR	*	716	-0.140	.	.	.	.	.	.	.	.	.
		11	CR	*	716	-0.173	.	.	.	*	726	-0.111	+	580	0.141
		28	CR	*	716	-0.223	.	.	.	*	726	-0.133	.	.	.
		53	CR	*	716	-0.222	+	2628	0.116	.	.	.	+	580	0.132

1. Flag + = favoring and * = disfavoring

Table 242. Items Flagged for DIF by Primary Disability State Focal Group (Concluded)

				Primary Disability State Focal Group[1]											
				Emotional			Specific Learning Disability			Physical			Speech/Language		
Content Area	Grade	Item #	Item Type	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd
Writing	9	8	CR	*	799	-0.110	.	.	.	.	.	.	.	.	.
		9	CR	*	799	-0.151	.	.	.	*	768	-0.104	.	.	.
		16	MC	.	.	.	.	.	.	+	768	0.103	.	.	.
		24	CR	*	799	-0.146	.	.	.	.	.	.	+	460	0.155
		49	MC	.	.	.	.	.	.	.	.	.	*	460	-0.146
		52	CR	*	799	-0.151	.	.	.	*	768	-0.132	+	460	0.208
		53	CR	*	799	-0.165	.	.	.	*	768	-0.119	+	460	0.161
	10	4	CR	.	.	.	*	2268	-0.169	.	.	.	*	350	-0.109
		6	CR	.	.	.	*	2268	-0.122	.	.	.	*	350	-0.102
		8	CR	*	624	-0.137	.	.	.	*	686	-0.117	.	.	.
		9	CR	*	624	-0.116	.	.	.	*	686	-0.124	.	.	.
		11	CR	*	624	-0.167	.	.	.	.	.	.	+	350	0.216
		33	CR	*	624	-0.261	.	.	.	*	686	-0.224	+	350	0.208
		53	CR	*	624	-0.158	.	.	.	*	686	-0.167	+	350	0.156
Spanish Writing	3	16	MC	.	.	.	+	66	0.142	.	.	.	.	.	.
		47	MC	.	.	.	*	66	-0.172	.	.	.	.	.	.

1. Flag + = favoring and * = disfavoring

Table 243. Items Flagged for DIF by Enrollment Focal Group

Content Area	Grade	Item #	Item Type	Enrollment Focal Group[1]								
				Cont. Enroll. in CO						Cont. Enroll. in ELL		
				No			Yes					
				Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd
Mathematics	3	26	MC	.	.	.	.	.	.	*	164	-0.105
		34	CR	.	.	.	+	614	0.111	.	.	.
	4	9	CR	.	.	.	.	.	.	*	5880	-0.191
		13	CR	.	.	.	.	.	.	*	5880	-0.101
		23	CR	.	.	.	.	.	.	*	5880	-0.112
		69	CR	.	.	.	.	.	.	+	5880	0.215
	6	8	CR	.	.	.	.	.	.	+	5140	0.118
		22	MC	.	.	.	.	.	.	*	5140	-0.127
		37	CR	.	.	.	.	.	.	*	5140	-0.111
		48	CR	.	.	.	.	.	.	+	5140	0.105
		51	CR	.	.	.	.	.	.	+	5140	0.164
	7	39	MC	.	.	.	.	.	.	*	4805	-0.108
	8	2	CR	.	.	.	.	.	.	+	4414	0.135
		27	MC	.	.	.	.	.	.	*	4414	-0.116
		29	MC	.	.	.	.	.	.	*	4414	-0.121
		60	CR	.	.	.	.	.	.	+	4414	0.171
	9	40	CR	.	.	.	.	.	.	+	3896	0.100
Reading	3	12	CR	.	.	.	*	652	-0.184	.	.	.
		18	CR	.	.	.	.	.	.	+	165	0.234
		27	CR	.	.	.	*	652	-0.106	.	.	.
		34	MC	.	.	.	.	.	.	+	165	0.107
	4	57	CR	.	.	.	.	.	.	+	5826	0.108
		60	MC	.	.	.	.	.	.	*	5826	-0.139
		63	CR	.	.	.	.	.	.	+	5826	0.113
	5	24	CR	.	.	.	.	.	.	+	5612	0.110
		51	MC	.	.	.	.	.	.	*	5612	-0.122
	6	16	CR	.	.	.	.	.	.	+	5128	0.101
		26	CR	.	.	.	.	.	.	+	5128	0.181
		38	MC	.	.	.	.	.	.	*	5128	-0.101
		64	CR	.	.	.	.	.	.	+	5128	0.135
	7	1	CR	.	.	.	.	.	.	+	4802	0.119
		2	CR	.	.	.	.	.	.	+	4802	0.123
		5	MC	.	.	.	.	.	.	*	4802	-0.135
		35	CR	.	.	.	.	.	.	+	4802	0.102
		38	CR	.	.	.	.	.	.	+	4802	0.127
	8	10	CR	.	.	.	.	.	.	+	4408	0.202
		11	CR	.	.	.	.	.	.	+	4408	0.144
		24	CR	.	.	.	.	.	.	+	4408	0.192
		51	MC	.	.	.	.	.	.	*	4408	-0.115
		65	CR	.	.	.	.	.	.	+	4408	0.250

1. Flag + = favoring and * = disfavoring

Table 243. Items Flagged for DIF by Enrollment Focal Group (Continued)

Content Area	Grade	Item #	Item Type	Enrollment Focal Group[1]								
				Cont. Enroll. in CO						Cont. Enroll. in ELL		
				No			Yes					
				Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd
Reading	09	10	CR	.	.	.	.	.	.	+	3842	0.180
		11	CR	.	.	.	.	.	.	+	3842	0.181
		34	MC	.	.	.	.	.	.	*	3842	-0.165
		42	MC	.	.	.	.	.	.	*	3842	-0.101
		44	CR	.	.	.	.	.	.	+	3842	0.199
		55	CR	.	.	.	.	.	.	+	3842	0.111
		59	CR	.	.	.	.	.	.	+	3842	0.152
		60	CR	.	.	.	.	.	.	+	3842	0.180
	10	7	CR	.	.	.	.	.	.	+	3175	0.180
		11	CR	.	.	.	.	.	.	+	3175	0.198
		29	CR	.	.	.	.	.	.	+	3175	0.146
		46	CR	.	.	.	.	.	.	+	3175	0.112
		47	CR	.	.	.	.	.	.	+	3175	0.160
		66	MC	.	.	.	.	.	.	*	3175	-0.160
		69	MC	.	.	.	.	.	.	*	3175	-0.120
Science	05	28	CR	.	.	.	.	.	.	*	5610	-0.132
	08	22	CR	.	.	.	.	.	.	+	4397	0.207
		41	CR	.	.	.	.	.	.	+	4397	0.102
	10	22	CR	*	8729	-0.109	.	.	.	+	3208	0.364
		71	CR	.	.	.	.	.	.	*	3208	-0.192
Writing	03	7	MC	.	.	.	.	.	.	*	167	-0.145
		11	MC	.	.	.	.	.	.	*	167	-0.189
		14	MC	.	.	.	.	.	.	*	167	-0.131
		21	CR	.	.	.	.	.	.	+	167	0.120
		23	MC	.	.	.	.	.	.	*	167	-0.174
		45	MC	.	.	.	.	.	.	*	167	-0.112
		52	CR	.	.	.	.	.	.	+	167	0.103
	04	4	CR	.	.	.	.	.	.	+	5822	0.107
		8	CR	.	.	.	.	.	.	+	5822	0.102
		11	CR	.	.	.	.	.	.	+	5822	0.132
		13	MC	.	.	.	.	.	.	*	5822	-0.198
		14	MC	.	.	.	.	.	.	*	5822	-0.141
		25	CR	.	.	.	.	.	.	+	5822	0.141
		29	MC	.	.	.	.	.	.	*	5822	-0.154
		53	CR	.	.	.	.	.	.	+	5822	0.147
	05	30	CR	.	.	.	.	.	.	+	5607	0.139
		52	CR	.	.	.	.	.	.	+	5607	0.114
	06	31	CR	.	.	.	.	.	.	+	5137	0.138
		34	MC	.	.	.	.	.	.	*	5137	-0.134
		52	CR	.	.	.	.	.	.	+	5137	0.132
		53	CR	.	.	.	.	.	.	+	5137	0.113
	07	8	CR	.	.	.	.	.	.	+	4802	0.104
		21	CR	.	.	.	.	.	.	+	4802	0.112
		46	MC	.	.	.	.	.	.	*	4802	-0.136

1. Flag + = favoring and * = disfavoring

Table 243. Items Flagged for DIF by Enrollment Focal Group (Concluded)

Content Area	Grade	Item #	Item Type	Enrollment Focal Group[1]								
				Cont. Enroll. in CO						Cont. Enroll. in ELL		
				No			Yes					
				Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd
Writing	8	8	CR	.	.	.	.	.	.	+	4407	0.118
		11	CR	.	.	.	.	.	.	+	4407	0.123
		14	MC	.	.	.	.	.	.	*	4407	-0.116
		15	MC	.	.	.	.	.	.	*	4407	-0.128
		28	CR	.	.	.	.	.	.	+	4407	0.147
		38	MC	.	.	.	.	.	.	*	4407	-0.130
		53	CR	.	.	.	.	.	.	+	4407	0.132
	9	8	CR	.	.	.	.	.	.	+	3843	0.129
		13	MC	.	.	.	.	.	.	*	3843	-0.102
		16	MC	.	.	.	.	.	.	*	3843	-0.162
		24	CR	.	.	.	.	.	.	+	3843	0.145
		52	CR	.	.	.	.	.	.	+	3843	0.171
		53	CR	.	.	.	.	.	.	+	3843	0.222
	10	4	CR	.	.	.	.	.	.	+	3167	0.113
		33	CR	.	.	.	.	.	.	+	3167	0.220
		41	MC	.	.	.	.	.	.	*	3167	-0.140
		49	MC	.	.	.	.	.	.	*	3167	-0.118
		53	CR	.	.	.	.	.	.	+	3167	0.151

1. Flag + = favoring and * = disfavoring

Table 244. Items Flagged for DIF by Language Proficiency Focal Group

				Language Proficiency Focal Group[1]														
				Bilingual			ESL			FEP			LEP			NEP		
Content Area	Grade	Item #	Item Type	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd
Mathematics	3	10	CR	+	1808	0.117										+	3083	0.123
		15	MC	*	1808	-0.108	.	.	.	.	.	.	.	.	.	.	.	.
		26	MC	.	.	.	.	.	.	*	1988	-0.107	.	.	.	.	.	.
		31	CR	+	1808	0.103	.	.	.	.	.	.	.	.	.	.	.	.
	4	9	CR	*	1223	-0.272	*	9005	-0.167	*	2908	-0.111	*	5448	-0.194	*	1821	-0.249
		11	MC	.	.	.	.	.	.	.	.	.	.	.	.	*	1821	-0.121
		13	CR	.	.	.	.	.	.	.	.	.	*	5448	-0.111	.	.	.
		14	CR	.	.	.	.	.	.	.	.	.	.	.	.	+	1821	0.119
		18	MC	.	.	.	.	.	.	.	.	.	.	.	.	*	1821	-0.176
		23	CR	*	1223	-0.209	.	.	.	.	.	.	.	.	.	*	1821	-0.354
		37	MC	+	1223	0.100	.	.	.	.	.	.	.	.	.	.	.	.
		38	CR	*	1223	-0.126	.	.	.	.	.	.	.	.	.	*	1821	-0.101
		45	MC	*	1223	-0.140	.	.	.	.	.	.	.	.	.	*	1821	-0.142
		46	CR	.	.	.	.	.	.	.	.	.	.	.	.	+	1821	0.198
		56	CR	.	.	.	.	.	.	.	.	.	.	.	.	*	1821	-0.119
		63	CR	+	1223	0.133	.	.	.	.	.	.	.	.	.	.	.	.
		69	CR	+	1223	0.196	+	9005	0.178	+	2908	0.185	+	5448	0.191	+	1821	0.152
	5	4	MC	.	.	.	.	.	.	.	.	.	.	.	.	*	1697	-0.110
		9	CR	.	.	.	.	.	.	.	.	.	.	.	.	*	1697	-0.135
		12	CR	.	.	.	.	.	.	.	.	.	.	.	.	+	1697	0.127
		15	CR	.	.	.	.	.	.	.	.	.	.	.	.	*	1697	-0.172
		28	MC	.	.	.	.	.	.	.	.	.	.	.	.	+	1697	0.107
		33	CR	+	1068	0.110	.	.	.	.	.	.	.	.	.	.	.	.
		42	MC	.	.	.	.	.	.	.	.	.	.	.	.	+	1697	0.118
		44	CR	+	1068	0.103	.	.	.	.	.	.	.	.	.	.	.	.
		51	CR	+	1068	0.112	.	.	.	.	.	.	.	.	.	+	1697	0.131

1. Flag + = favoring and * = disfavoring

Table 244. Items Flagged for DIF by Language Proficiency Focal Group (Continued)

				Language Proficiency Focal Group[1]														
				Bilingual			ESL			FEP			LEP			NEP		
Content Area	Grade	Item #	Item Type	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd
Mathematics	5	54	CR	.	.	.	.	.	.	.	.	.	.	.	.	*	1697	-0.282
		57	CR	*	1068	-0.126	.	.	.	.	.	.	.	.	.	.	.	.
		69	CR	.	.	.	.	.	.	.	.	.	.	.	.	*	1697	-0.118
	6	5	CR	.	.	.	.	.	.	.	.	.	.	.	.	*	1274	-0.157
		7	MC	.	.	.	.	.	.	.	.	.	.	.	.	*	1274	-0.120
		8	CR	+	553	0.136	+	8442	0.100	.	.	.	+	3849	0.116	+	1274	0.171
		22	MC	*	553	-0.158	*	8442	-0.124	.	.	.	*	3849	-0.131	*	1274	-0.238
		23	CR	.	.	.	.	.	.	.	.	.	.	.	.	*	1274	-0.187
		37	CR	*	553	-0.116	*	8442	-0.102	.	.	.	*	3849	-0.146	*	1274	-0.124
		44	CR	.	.	.	.	.	.	.	.	.	.	.	.	*	1274	-0.131
		46	CR	.	.	.	.	.	.	.	.	.	.	.	.	+	1274	0.120
		48	CR	.	.	.	.	.	.	.	.	.	+	3849	0.108	+	1274	0.224
		51	CR	+	553	0.184	+	8442	0.135	+	3835	0.127	+	3849	0.150	+	1274	0.138
		60	CR	.	.	.	.	.	.	.	.	.	.	.	.	*	1274	-0.140
	7	7	MC	.	.	.	.	.	.	.	.	.	.	.	.	+	1121	0.101
		26	MC	.	.	.	.	.	.	.	.	.	.	.	.	+	1121	0.106
		39	MC	*	441	-0.114	*	8220	-0.102	*	4019	-0.117	*	3520	-0.107	.	.	.
		43	CR	*	441	-0.111	.	.	.	.	.	.	.	.	.	*	1121	-0.195
		53	CR	+	441	0.115	.	.	.	.	.	.	.	.	.	+	1121	0.153
		57	CR	.	.	.	.	.	.	.	.	.	.	.	.	*	1121	-0.113
		60	CR	.	.	.	.	.	.	+	4019	0.168	.	.	.	*	1121	-0.189
	8	2	CR	.	.	.	+	7776	0.101	+	4105	0.120	+	3123	0.105	.	.	.
		20	CR	+	425	0.167	.	.	.	.	.	.	.	.	.	.	.	.
		23	MC	.	.	.	.	.	.	.	.	.	.	.	.	+	966	0.121
		26	MC	.	.	.	.	.	.	.	.	.	.	.	.	*	966	-0.128

1. Flag + = favoring and * = disfavoring

Table 244. Items Flagged for DIF by Language Proficiency Focal Group (Continued)

Content Area	Grade	Item #	Item Type	Language Proficiency Focal Group[1]														
				Bilingual			ESL			FEP			LEP			NEP		
				Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd
Mathematics	8	27	MC	*	425	-0.115	*	7776	-0.120	*	4105	-0.116	*	3123	-0.130	*	966	-0.101
		28	CR	*	425	-0.114	.	.	.	.	.	.	.	.	.	*	966	-0.136
		29	MC	.	.	.	*	7776	-0.108	.	.	.	*	3123	-0.121	*	966	-0.118
		30	CR	+	425	0.119	.	.	.	.	.	.	.	.	.	.	.	.
		33	CR	+	425	0.104	.	.	.	.	.	.	.	.	.	.	.	.
		35	MC	.	.	.	.	.	.	.	.	.	.	.	.	+	966	0.109
		46	MC	.	.	.	.	.	.	.	.	.	.	.	.	+	966	0.110
		53	CR	.	.	.	.	.	.	.	.	.	*	3123	-0.143	*	966	-0.120
		60	CR	.	.	.	+	7776	0.117	+	4105	0.128	+	3123	0.149	.	.	.
	9	2	MC	.	.	.	.	.	.	.	.	.	.	.	.	+	1171	0.104
		6	CR	+	312	0.104	.	.	.	.	.	.	.	.	.	.	.	.
		35	CR	.	.	.	.	.	.	.	.	.	.	.	.	*	1171	-0.108
		40	CR	.	.	.	.	.	.	+	3868	0.102	.	.	.	.	.	.
		47	MC	*	312	-0.170	.	.	.	.	.	.	.	.	.	*	1171	-0.190
		54	CR	.	.	.	.	.	.	.	.	.	*	2821	-0.112	*	1171	-0.123
		60	CR	.	.	.	.	.	.	.	.	.	.	.	.	*	1171	-0.115
	10	5	MC	+	213	0.109	.	.	.	.	.	.	.	.	.	+	953	0.133
		12	CR	+	213	0.128	.	.	.	.	.	.	.	.	.	+	953	0.193
		14	MC	.	.	.	.	.	.	.	.	.	.	.	.	+	953	0.107
		15	CR	*	213	-0.120	.	.	.	.	.	.	.	.	.	*	953	-0.250
		26	MC	.	.	.	.	.	.	.	.	.	.	.	.	+	953	0.120
		30	CR	.	.	.	.	.	.	.	.	.	.	.	.	*	953	-0.124
		34	MC	*	213	-0.110	.	.	.	.	.	.	.	.	.	.	.	.
		35	CR	*	213	-0.125	.	.	.	.	.	.	.	.	.	*	953	-0.107
		39	MC	.	.	.	.	.	.	.	.	.	.	.	.	+	953	0.100
		44	CR	+	213	0.102	.	.	.	.	.	.	.	.	.	.	.	.
		55	MC	*	213	-0.108	.	.	.	.	.	.	.	.	.	.	.	.

1. Flag + = favoring and * = disfavoring

Table 244. Items Flagged for DIF by Language Proficiency Focal Group (Continued)

				Language Proficiency Focal Group[1]														
				Bilingual			ESL			FEP			LEP			NEP		
Content Area	Grade	Item #	Item Type	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd
Reading	3	12	CR	.	.	.	.	.	.	+	2004	0.137	+	5125	0.137	.	.	.
		15	CR	+	662	0.253	+	8561	0.168	+	2004	0.146	+	5125	0.186	+	2055	0.176
		18	CR	+	662	0.182	+	8561	0.109	.	.	.	+	5125	0.151	.	.	.
		27	CR	+	662	0.169	+	8561	0.152	+	2004	0.111	+	5125	0.184	+	2055	0.128
		33	MC	*	662	-0.104	.	.	.	.	.	.	*	5125	-0.106	.	.	.
	4	8	CR	.	.	.	.	.	.	.	.	.	.	.	.	*	1568	-0.121
		14	CR	.	.	.	.	.	.	.	.	.	.	.	.	+	1568	0.135
		22	MC	*	1107	-0.103	.	.	.	.	.	.	.	.	.	.	.	.
		26	CR	+	1107	0.127	.	.	.	+	2892	0.104	+	5405	0.102	.	.	.
		37	CR	+	1107	0.140	.	.	.	.	.	.	.	.	.	.	.	.
		45	CR	.	.	.	.	.	.	.	.	.	+	5405	0.106	.	.	.
		53	MC	*	1107	-0.131	.	.	.	.	.	.	.	.	.	*	1568	-0.113
		57	CR	+	1107	0.175	.	.	.	.	.	.	+	5405	0.111	.	.	.
		60	MC	*	1107	-0.134	*	8803	-0.121	*	2892	-0.116	*	5405	-0.155	.	.	.
		63	CR	+	1107	0.133	+	8803	0.108	+	2892	0.149	.	.	.	+	1568	0.116
	5	15	MC	*	1065	-0.103	.	.	.	.	.	.	.	.	.	.	.	.
		17	MC	.	.	.	.	.	.	*	3398	-0.113	.	.	.	.	.	.
		24	CR	+	1065	0.188	.	.	.	+	3398	0.164	+	4630	0.133	.	.	.
		25	MC	.	.	.	.	.	.	*	3398	-0.100	.	.	.	.	.	.
		43	MC	.	.	.	.	.	.	.	.	.	.	.	.	+	1650	0.144
		51	MC	*	1065	-0.127	*	8649	-0.122	*	3398	-0.151	*	4630	-0.131	.	.	.
		52	MC	+	1065	0.103	.	.	.	.	.	.	.	.	.	.	.	.
		53	CR	.	.	.	.	.	.	+	3398	0.144	.	.	.	.	.	.
		54	CR	+	1065	0.116	+	8649	0.102	+	3398	0.106	+	4630	0.104	+	1650	0.101
		56	MC	+	1065	0.133	.	.	.	+	3398	0.124	.	.	.	.	.	.
		62	MC	*	1065	-0.100	.	.	.	.	.	.	.	.	.	*	1650	-0.113

1. Flag + = favoring and * = disfavoring

Table 244. Items Flagged for DIF by Language Proficiency Focal Group (Continued)

				Language Proficiency Focal Group[1]														
				Bilingual			ESL			FEP			LEP			NEP		
Content Area	Grade	Item #	Item Type	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd
Reading	6	17	CR	+	545	0.107	.	.	.	+	3829	0.112	.	.	.	.	.	.
		26	CR	+	545	0.225	+	8398	0.169	+	3829	0.184	+	3850	0.224	.	.	.
		36	CR	.	.	.	+	8398	0.109	+	3829	0.202	.	.	.	*	1235	-0.121
		37	CR	.	.	.	.	.	.	+	3829	0.104	.	.	.	*	1235	-0.127
		38	MC	*	545	-0.111	*	8398	-0.101	.	.	.	*	3850	-0.127	.	.	.
		57	MC	.	.	.	.	.	.	.	.	.	.	.	.	*	1235	-0.136
		64	CR	.	.	.	+	8398	0.133	+	3829	0.213	.	.	.	.	.	.
	7	1	CR	.	.	.	+	8191	0.122	.	.	.	+	3514	0.117	+	1096	0.230
		2	CR	+	445	0.154	+	8191	0.128	+	4019	0.125	+	3514	0.143	+	1096	0.103
		5	MC	*	445	-0.129	*	8191	-0.128	*	4019	-0.148	*	3514	-0.129	.	.	.
		23	MC	*	445	-0.127	.	.	.	.	.	.	.	.	.	*	1096	-0.137
		29	CR	*	445	-0.161	.	.	.	+	4019	0.103	.	.	.	*	1096	-0.327
		31	MC	.	.	.	.	.	.	.	.	.	*	3514	-0.132	.	.	.
		35	CR	.	.	.	.	.	.	+	4019	0.113	.	.	.	.	.	.
		38	CR	.	.	.	+	8191	0.136	+	4019	0.139	+	3514	0.150	.	.	.
		39	CR	+	445	0.148	+	8191	0.107	+	4019	0.103	.	.	.	+	1096	0.175
		48	CR	*	445	-0.100	.	.	.	.	.	.	.	.	.	*	1096	-0.120
	8	3	MC	.	.	.	.	.	.	.	.	.	.	.	.	*	941	-0.105
		10	CR	+	427	0.150	+	7742	0.187	+	4103	0.184	+	3114	0.243	.	.	.
		11	CR	+	427	0.285	+	7742	0.135	+	4103	0.170	+	3114	0.103	+	941	0.159
		17	MC	.	.	.	.	.	.	.	.	.	.	.	.	+	941	0.103
		24	CR	+	427	0.183	+	7742	0.185	+	4103	0.184	+	3114	0.202	+	941	0.133
		26	CR	.	.	.	.	.	.	.	.	.	.	.	.	*	941	-0.178
		28	MC	*	427	-0.106	.	.	.	.	.	.	.	.	.	.	.	.
		34	CR	+	427	0.104	.	.	.	.	.	.	+	3114	0.112	+	941	0.253

1. Flag + = favoring and * = disfavoring

Table 244. Items Flagged for DIF by Language Proficiency Focal Group (Continued)

				Language Proficiency Focal Group[1]														
				Bilingual			ESL			FEP			LEP			NEP		
Content Area	Grade	Item #	Item Type	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd
Reading	8	35	CR	+	427	0.114	.	.	.	.	.	.	+	3114	0.125	+	941	0.153
		44	CR	*	427	-0.116	.	.	.	.	.	.	.	.	.	.	.	.
		45	CR	.	.	.	.	.	.	.	.	.	.	.	.	*	941	-0.152
		49	MC	.	.	.	.	.	.	.	.	.	.	.	.	*	941	-0.129
		50	MC	*	427	-0.106	.	.	.	.	.	.	.	.	.	.	.	.
		51	MC	*	427	-0.108	*	7742	-0.110	*	4103	-0.126	*	3114	-0.121	.	.	.
		62	CR	+	427	0.222	.	.	.	.	.	.	.	.	.	+	941	0.170
		65	CR	+	427	0.313	+	7742	0.174	+	4103	0.112	+	3114	0.277	+	941	0.176
		67	MC	.	.	.	.	.	.	.	.	.	*	3114	-0.117	.	.	.
		68	MC	.	.	.	.	.	.	*	4103	-0.101	.	.	.	.	.	.
	9	2	CR	*	311	-0.149	.	.	.	.	.	.	*	2793	-0.190	*	1138	-0.293
		4	MC	.	.	.	.	.	.	.	.	.	.	.	.	*	1138	-0.123
		10	CR	.	.	.	+	7478	0.171	+	3834	0.170	+	2793	0.229	.	.	.
		11	CR	.	.	.	+	7478	0.144	+	3834	0.130	+	2793	0.149	+	1138	0.187
		22	CR	.	.	.	.	.	.	+	3834	0.102	.	.	.	.	.	.
		30	CR	.	.	.	.	.	.	.	.	.	.	.	.	*	1138	-0.159
		32	MC	*	311	-0.104	.	.	.	.	.	.	.	.	.	.	.	.
		34	MC	*	311	-0.161	*	7478	-0.146	*	3834	-0.152	*	2793	-0.161	.	.	.
		41	CR	.	.	.	.	.	.	+	3834	0.120	.	.	.	*	1138	-0.104
		42	MC	.	.	.	.	.	.	.	.	.	*	2793	-0.116	.	.	.
		43	MC	.	.	.	.	.	.	.	.	.	.	.	.	+	1138	0.109
		44	CR	+	311	0.169	+	7478	0.198	+	3834	0.160	+	2793	0.215	+	1138	0.278
		55	CR	.	.	.	+	7478	0.104	+	3834	0.108	+	2793	0.111	.	.	.
		56	MC	.	.	.	.	.	.	.	.	.	.	.	.	*	1138	-0.105
		59	CR	+	311	0.239	+	7478	0.140	+	3834	0.128	+	2793	0.140	+	1138	0.206
		60	CR	+	311	0.173	+	7478	0.176	.	.	.	+	2793	0.246	+	1138	0.324
		61	CR	+	311	0.200	.	.	.	.	.	.	.	.	.	+	1138	0.215

1. Flag + = favoring and * = disfavoring

Table 244. Items Flagged for DIF by Language Proficiency Focal Group (Continued)

				Language Proficiency Focal Group[1]														
				Bilingual			ESL			FEP			LEP			NEP		
Content Area	Grade	Item #	Item Type	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd
Reading	10	2	MC	.	.	.	.	.	.	.	.	.	.	.	.	*	931	-0.116
		3	MC	.	.	.	.	.	.	.	.	.	.	.	.	+	931	0.108
		7	CR	.	.	.	+	6028	0.138	+	3026	0.153	+	2270	0.187	.	.	.
		11	CR	+	206	0.221	+	6028	0.174	+	3026	0.164	+	2270	0.243	.	.	.
		28	MC	*	206	-0.138	.	.	.	.	.	.	*	2270	-0.168	*	931	-0.108
		29	CR	.	.	.	+	6028	0.139	+	3026	0.189	+	2270	0.135	.	.	.
		46	CR	.	.	.	+	6028	0.105	+	3026	0.102	+	2270	0.110	+	931	0.103
		47	CR	+	206	0.444	+	6028	0.150	.	.	.	+	2270	0.218	+	931	0.328
		66	MC	*	206	-0.116	*	6028	-0.150	*	3026	-0.177	*	2270	-0.152	.	.	.
		69	MC	.	.	.	*	6028	-0.124	*	3026	-0.130	*	2270	-0.131	.	.	.
Science	5	6	MC	.	.	.	.	.	.	.	.	.	.	.	.	*	1676	-0.103
		25	CR	.	.	.	.	.	.	.	.	.	.	.	.	+	1676	0.106
		28	CR	*	1067	-0.182	*	8651	-0.114	*	3391	-0.121	*	4617	-0.140	.	.	.
		31	MC	.	.	.	.	.	.	.	.	.	.	.	.	+	1676	0.113
		46	CR	*	1067	-0.190	.	.	.	.	.	.	*	4617	-0.115	*	1676	-0.247
		64	CR	.	.	.	.	.	.	.	.	.	.	.	.	*	1676	-0.183
		75	CR	+	1067	0.118	.	.	.	.	.	.	.	.	.	.	.	.
	8	2	CR	.	.	.	.	.	.	.	.	.	.	.	.	+	955	0.102
		8	MC	.	.	.	.	.	.	.	.	.	.	.	.	+	955	0.113
		16	MC	.	.	.	.	.	.	.	.	.	.	.	.	+	955	0.104
		22	CR	+	425	0.233	+	7734	0.208	+	4089	0.178	+	3115	0.252	+	955	0.195
		39	CR	.	.	.	.	.	.	.	.	.	.	.	.	*	955	-0.116
		41	CR	.	.	.	.	.	.	.	.	.	+	3115	0.133	+	955	0.104
		49	CR	*	425	-0.118	.	.	.	.	.	.	.	.	.	*	955	-0.125
		53	CR	+	425	0.112	.	.	.	.	.	.	.	.	.	.	.	.
		57	CR	*	425	-0.125	.	.	.	.	.	.	.	.	.	.	.	.
		66	CR	*	425	-0.124	.	.	.	.	.	.	.	.	.	*	955	-0.337

1. Flag + = favoring and * = disfavoring

Table 244. Items Flagged for DIF by Language Proficiency Focal Group (Continued)

				Language Proficiency Focal Group[1]														
				Bilingual			ESL			FEP			LEP			NEP		
Content Area	Grade	Item #	Item Type	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd
Science	10	22	CR	.	.	.	+	6099	0.294	+	3058	0.253	+	2282	0.325	+	962	0.331
		23	CR	.	.	.	.	.	.	.	.	.	.	.	.	*	962	-0.132
		26	CR	+	214	0.103	.	.	.	.	.	.	.	.	.	.	.	.
		28	MC	+	214	0.111	.	.	.	.	.	.	.	.	.	+	962	0.101
		35	CR	.	.	.	.	.	.	.	.	.	.	.	.	*	962	-0.188
		39	MC	+	214	0.114	.	.	.	.	.	.	.	.	.	+	962	0.145
		40	CR	.	.	.	.	.	.	.	.	.	.	.	.	*	962	-0.163
		56	MC	+	214	0.102	.	.	.	.	.	.	.	.	.	.	.	.
		71	CR	*	214	-0.198	*	6099	-0.191	*	3058	-0.147	*	2282	-0.236	*	962	-0.238
		76	MC	.	.	.	.	.	.	.	.	.	.	.	.	+	962	0.119
		83	CR	.	.	.	.	.	.	.	.	.	.	.	.	*	962	-0.119
Writing	3	4	CR	.	.	.	.	.	.	.	.	.	.	.	.	+	2072	0.115
		7	MC	*	653	-0.101	.	.	.	.	.	.	*	5142	-0.101	.	.	.
		11	MC	*	653	-0.291	*	8597	-0.221	.	.	.	*	5142	-0.252	*	2072	-0.289
		14	MC	*	653	-0.173	*	8597	-0.125	.	.	.	*	5142	-0.124	*	2072	-0.222
		23	MC	*	653	-0.170	*	8597	-0.144	*	1994	-0.114	*	5142	-0.176	*	2072	-0.105
	4	4	CR	+	1110	0.219	.	.	.	.	.	.	+	5405	0.113	.	.	.
		5	CR	*	1110	-0.102	.	.	.	.	.	.	.	.	.	.	.	.
		8	CR	+	1110	0.126	.	.	.	.	.	.	+	5405	0.106	+	1571	0.176
		9	CR	+	1110	0.105	.	.	.	.	.	.	.	.	.	.	.	.
		11	CR	+	1110	0.177	+	8801	0.104	.	.	.	+	5405	0.136	+	1571	0.187
		13	MC	*	1110	-0.297	*	8801	-0.153	.	.	.	*	5405	-0.212	*	1571	-0.241
		14	MC	*	1110	-0.220	*	8801	-0.108	.	.	.	*	5405	-0.130	*	1571	-0.230
		15	MC	*	1110	-0.123	.	.	.	.	.	.	*	5405	-0.105	*	1571	-0.100
		25	CR	+	1110	0.173	+	8801	0.110	.	.	.	+	5405	0.145	.	.	.

1. Flag + = favoring and * = disfavoring

Table 244. Items Flagged for DIF by Language Proficiency Focal Group (Continued)

				Language Proficiency Focal Group[1]														
				Bilingual			ESL			FEP			LEP			NEP		
Content Area	Grade	Item #	Item Type	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd
Writing	4	29	MC	*	1110	-0.200	*	8801	-0.128	*	2890	-0.102	*	5405	-0.163	*	1571	-0.107
		41	MC	.	.	.	.	.	.	.	.	.	.	.	.	+	1571	0.100
		49	MC	.	.	.	.	.	.	+	2890	0.124	+	5405	0.110	.	.	.
		53	CR	+	1110	0.226	+	8801	0.125	.	.	.	+	5405	0.155	+	1571	0.185
	5	8	CR	+	1064	0.150	.	.	.	.	.	.	.	.	.	+	1652	0.217
		13	MC	.	.	.	.	.	.	.	.	.	.	.	.	*	1652	-0.106
		14	MC	+	1064	0.111	.	.	.	.	.	.	.	.	.	.	.	.
		16	MC	*	1064	-0.131	.	.	.	.	.	.	.	.	.	*	1652	-0.217
		30	CR	+	1064	0.146	+	8640	0.119	.	.	.	+	4619	0.135	+	1652	0.179
		42	MC	.	.	.	.	.	.	.	.	.	*	4619	-0.101	.	.	.
		52	CR	+	1064	0.159	.	.	.	.	.	.	+	4619	0.118	+	1652	0.195
		53	CR	+	1064	0.149	.	.	.	.	.	.	+	4619	0.135	.	.	.
	6	8	CR	+	544	0.145	.	.	.	.	.	.	.	.	.	+	1233	0.103
		11	MC	.	.	.	.	.	.	.	.	.	.	.	.	*	1233	-0.127
		31	CR	+	544	0.156	+	8400	0.132	+	3829	0.106	+	3853	0.163	+	1233	0.124
		34	MC	*	544	-0.166	*	8400	-0.116	.	.	.	*	3853	-0.171	.	.	.
		52	CR	+	544	0.180	+	8400	0.124	.	.	.	+	3853	0.157	+	1233	0.204
		53	CR	.	.	.	.	.	.	.	.	.	+	3853	0.141	.	.	.
	7	8	CR	+	443	0.149	.	.	.	.	.	.	+	3517	0.114	+	1091	0.205
		11	CR	+	443	0.132	.	.	.	.	.	.	.	.	.	.	.	.
		21	CR	.	.	.	+	8190	0.100	.	.	.	+	3517	0.148	.	.	.
		46	MC	*	443	-0.143	*	8190	-0.114	.	.	.	*	3517	-0.173	.	.	.
		53	CR	.	.	.	.	.	.	.	.	.	+	3517	0.130	.	.	.

1. Flag + = favoring and * = disfavoring

Table 244. Items Flagged for DIF by Language Proficiency Focal Group (Continued)

				Language Proficiency Focal Group[1]														
				Bilingual			ESL			FEP			LEP			NEP		
Content Area	Grade	Item #	Item Type	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd
Writing	8	3	CR	.	.	.	.	.	.	.	.	.	.	.	.	*	943	-0.114
		7	CR	.	.	.	.	.	.	.	.	.	.	.	.	*	943	-0.126
		8	CR	.	.	.	.	.	.	.	.	.	+	3118	0.111	.	.	.
		10	CR	.	.	.	.	.	.	.	.	.	.	.	.	*	943	-0.117
		11	CR	+	428	0.178	+	7747	0.123	.	.	.	+	3118	0.163	+	943	0.165
		13	MC	+	428	0.102	.	.	.	.	.	.	.	.	.	+	943	0.121
		14	MC	*	428	-0.139	.	.	.	*	4103	-0.142	.	.	.	.	.	.
		15	MC	.	.	.	*	7747	-0.120	*	4103	-0.105	*	3118	-0.151	.	.	.
		25	MC	.	.	.	.	.	.	.	.	.	.	.	.	*	943	-0.150
		28	CR	+	428	0.195	+	7747	0.130	+	4103	0.132	+	3118	0.145	.	.	.
		30	MC	.	.	.	.	.	.	.	.	.	.	.	.	*	943	-0.159
		32	MC	*	428	-0.117	.	.	.	.	.	.	.	.	.	.	.	.
		38	MC	*	428	-0.116	*	7747	-0.121	*	4103	-0.105	*	3118	-0.162	.	.	.
		53	CR	+	428	0.206	+	7747	0.118	+	4103	0.100	+	3118	0.160	.	.	.
	9	2	CR	+	311	0.160	.	.	.	.	.	.	.	.	.	+	1132	0.185
		4	CR	.	.	.	.	.	.	.	.	.	.	.	.	*	1132	-0.104
		8	CR	.	.	.	.	.	.	.	.	.	+	2797	0.105	.	.	.
		12	MC	.	.	.	.	.	.	.	.	.	*	2797	-0.103	.	.	.
		13	MC	*	311	-0.108	*	7476	-0.104	.	.	.	*	2797	-0.108	*	1132	-0.152
		16	MC	*	311	-0.196	*	7476	-0.150	.	.	.	*	2797	-0.220	*	1132	-0.249
		24	CR	+	311	0.190	+	7476	0.120	+	3834	0.111	+	2797	0.159	.	.	.
		50	MC	.	.	.	.	.	.	*	3834	-0.116	.	.	.	.	.	.
		52	CR	+	311	0.176	+	7476	0.159	+	3834	0.128	+	2797	0.211	+	1132	0.145
		53	CR	+	311	0.138	+	7476	0.172	+	3834	0.164	+	2797	0.249	.	.	.

1. Flag + = favoring and * = disfavoring

Table 244. Items Flagged for DIF by Language Proficiency Focal Group (Concluded)

				Language Proficiency Focal Group[1]														
				Bilingual			ESL			FEP			LEP			NEP		
Content Area	Grade	Item #	Item Type	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd
Writing	10	4	CR	+	202	0.246	+	6021	0.140	+	3025	0.101	+	2262	0.150	+	932	0.268
		6	CR	.	.	.	.	.	.	.	.	.	*	2262	-0.161	*	932	-0.157
		7	CR	.	.	.	.	.	.	.	.	.	.	.	.	*	932	-0.145
		33	CR	+	202	0.233	+	6021	0.185	+	3025	0.146	+	2262	0.278	+	932	0.107
		41	MC	*	202	-0.204	*	6021	-0.131	.	.	.	*	2262	-0.209	*	932	-0.211
		45	MC	.	.	.	.	.	.	.	.	.	*	2262	-0.104	.	.	.
		48	MC	.	.	.	.	.	.	.	.	.	.	.	.	+	932	0.106
		49	MC	*	202	-0.170	*	6021	-0.108	.	.	.	*	2262	-0.161	.	.	.
		53	CR	+	202	0.146	+	6021	0.139	+	3025	0.108	+	2262	0.200	+	932	0.101

1. Flag + = favoring and * = disfavoring

Table 245. Items Flagged for DIF by Education Plan Focal Group

Content Area	Grade	Item #	Item Type	Education Plan Focal Group											
				504			GATE			IEP			Title 1		
				Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd
Mathematics	3	38	CR	.	.	.	.	.	.	+	5773	0.104	.	.	.
	4	46	CR	.	.	.	.	.	.	+	5745	0.110	.	.	.
	5	12	CR	.	.	.	.	.	.	+	5838	0.118	.	.	.
		44	CR	*	360	-0.117	.	.	.	.	.	.	.	.	.
		46	CR	.	.	.	.	.	.	+	5838	0.109	.	.	.
		69	CR	*	360	-0.120	.	.	.	.	.	.	.	.	.
	6	33	CR	.	.	.	.	.	.	*	5688	-0.129	.	.	.
		48	CR	.	.	.	.	.	.	+	5688	0.133	.	.	.
		60	CR	.	.	.	.	.	.	*	5688	-0.143	.	.	.
	7	60	CR	.	.	.	.	.	.	*	5429	-0.139	.	.	.
	8	27	MC	.	.	.	.	.	.	.	.	.	*	6363	-0.120
		29	MC	.	.	.	.	.	.	*	5023	-0.123	*	6363	-0.109
		60	CR	*	709	-0.140	.	.	.	.	.	.	+	6363	0.124
	9	40	CR	*	718	-0.146	.	.	.	*	4984	-0.134	+	2560	0.180
		54	CR	.	.	.	.	.	.	*	4984	-0.103	.	.	.
Reading	3	12	CR	*	183	-0.285	.	.	.	*	5634	-0.140	.	.	.
		18	CR	*	183	-0.174	.	.	.	.	.	.	.	.	.
	5	5	CR	*	362	-0.103	.	.	.	.	.	.	.	.	.
		24	CR	*	362	-0.189	.	.	.	.	.	.	.	.	.
		51	MC	+	362	0.110	.	.	.	.	.	.	.	.	.
		54	CR	*	362	-0.103	.	.	.	.	.	.	.	.	.
	6	26	CR	.	.	.	.	.	.	*	5648	-0.142	.	.	.
		64	CR	*	508	-0.171	.	.	.	.	.	.	.	.	.
	7	11	CR	*	570	-0.129	.	.	.	.	.	.	.	.	.
		29	CR	.	.	.	*	6365	-0.108	*	5407	-0.106	.	.	.
		38	CR	.	.	.	.	.	.	*	5407	-0.112	.	.	.
	8	10	CR	*	711	-0.172	.	.	.	.	.	.	+	6365	0.104
		24	CR	.	.	.	.	.	.	.	.	.	+	6365	0.103
		26	CR	.	.	.	.	.	.	*	5034	-0.125	.	.	.
		62	CR	*	711	-0.112	.	.	.	.	.	.	.	.	.
		65	CR	*	711	-0.139	.	.	.	.	.	.	+	6365	0.150
	9	2	CR	.	.	.	.	.	.	*	4923	-0.106	.	.	.
		10	CR	*	714	-0.107	.	.	.	.	.	.	.	.	.
		11	CR	.	.	.	.	.	.	.	.	.	+	2501	0.110
		22	CR	.	.	.	.	.	.	*	4923	-0.113	.	.	.
		34	MC	+	714	0.101	.	.	.	.	.	.	.	.	.
		41	CR	.	.	.	*	5863	-0.129	.	.	.	.	.	.
		44	CR	*	714	-0.151	.	.	.	.	.	.	.	.	.
		59	CR	.	.	.	.	.	.	.	.	.	+	2501	0.131
		60	CR	.	.	.	.	.	.	.	.	.	+	2501	0.104
		61	CR	*	714	-0.101	.	.	.	.	.	.	.	.	.
	10	11	CR	.	.	.	.	.	.	.	.	.	+	1806	0.112
		27	CR	*	730	-0.104	.	.	.	.	.	.	.	.	.
		47	CR	*	730	-0.127	.	.	.	.	.	.	.	.	.

1. Flag + = favoring and * = disfavoring

Table 245. Items Flagged for DIF by Education Plan Focal Group (Concluded)

				Education Plan Focal Group											
				504			GATE			IEP			Title 1		
Content Area	Grade	Item #	Item Type	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd
Science	5	41	CR	*	357	-0.113	.	.	.	.	.	.	.	.	.
	8	22	CR	*	711	-0.181	.	.	.	*	5047	-0.282	+	5883	0.100
		39	CR	*	711	-0.130	.	.	.	*	5047	-0.132	.	.	.
		41	CR	.	.	.	+	6412	0.152	.	.	.	.	.	.
	10	22	CR	*	735	-0.211	.	.	.	*	4318	-0.286	+	1861	0.149
		23	CR	.	.	.	.	.	.	*	4318	-0.133	*	1861	-0.102
		29	CR	.	.	.	.	.	.	+	4318	0.117	.	.	.
		35	CR	.	.	.	.	.	.	*	4318	-0.117	.	.	.
		68	MC	.	.	.	.	.	.	+	4318	0.108	.	.	.
		71	CR	.	.	.	.	.	.	.	.	.	*	1861	-0.125
Writing	3	7	MC	+	183	0.175	.	.	.	.	.	.	.	.	.
		11	MC	+	183	0.108	.	.	.	.	.	.	.	.	.
		23	MC	+	183	0.125	.	.	.	.	.	.	.	.	.
	5	8	CR	*	362	-0.107	.	.	.	.	.	.	.	.	.
	6	31	CR	*	507	-0.133	.	.	.	.	.	.	.	.	.
		52	CR	*	507	-0.146	.	.	.	.	.	.	.	.	.
		53	CR	*	507	-0.124	.	.	.	.	.	.	.	.	.
	7	21	CR	.	.	.	*	6352	-0.102	.	.	.	.	.	.
		53	CR	*	574	-0.126	.	.	.	.	.	.	.	.	.
	8	28	CR	.	.	.	.	.	.	.	.	.	+	6361	0.113
		53	CR	*	711	-0.128	.	.	.	.	.	.	.	.	.
	9	8	CR	.	.	.	.	.	.	.	.	.	+	2505	0.112
		52	CR	*	715	-0.144	.	.	.	.	.	.	.	.	.
		53	CR	*	715	-0.115	.	.	.	.	.	.	.	.	.
	10	4	CR	.	.	.	.	.	.	*	4253	-0.123	.	.	.
		33	CR	*	729	-0.138	.	.	.	.	.	.	.	.	.
		53	CR	*	729	-0.118	.	.	.	.	.	.	.	.	.
Spanish Reading	3	1	CR	.	.	.	+	56	0.431	.	.	.	.	.	.
		29	MC	.	.	.	*	56	-0.155	.	.	.	.	.	.
Spanish Writing	3	42	MC	.	.	.	.	.	.	*	105	-0.114	.	.	.
		47	MC	.	.	.	.	.	.	*	105	-0.173	.	.	.

1. Flag + = favoring and * = disfavoring

Table 246. Items Flagged for DIF by Homeless, Immigrant, and Migrant Focal Groups

				Focal Group[1]								
		Item	Item	Homeless			Immigrant			Migrant		
Content Area	Grade	#	Type	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd
Mathematics	4	9	CR	*	702	-0.118	*	886	-0.270	*	650	-0.158
		14	CR	.	.	.	+	886	0.113	.	.	.
		18	MC	.	.	.	*	886	-0.121	.	.	.
		23	CR	.	.	.	*	886	-0.226	*	650	-0.167
		24	MC	.	.	.	.	.	.	*	650	-0.100
		28	MC	.	.	.	*	886	-0.103	.	.	.
		45	MC	.	.	.	*	886	-0.156	.	.	.
		46	CR	.	.	.	+	886	0.123	.	.	.
		56	CR	.	.	.	*	886	-0.162	.	.	.
		67	MC	.	.	.	+	886	0.128	.	.	.
		69	CR	.	.	.	+	886	0.231	+	650	0.229
	5	4	MC	.	.	.	*	857	-0.109	.	.	.
		9	CR	.	.	.	*	857	-0.164	*	620	-0.159
		15	CR	.	.	.	*	857	-0.203	.	.	.
		28	MC	.	.	.	+	857	0.119	.	.	.
		42	MC	.	.	.	+	857	0.129	.	.	.
		44	CR	.	.	.	+	857	0.101	.	.	.
		51	CR	.	.	.	+	857	0.167	.	.	.
		54	CR	.	.	.	*	857	-0.258	.	.	.
		69	CR	.	.	.	*	857	-0.170	.	.	.
	6	2	MC	.	.	.	*	794	-0.100	.	.	.
		5	CR	.	.	.	*	794	-0.196	.	.	.
		7	MC	.	.	.	*	794	-0.100	.	.	.
		8	CR	+	587	0.107	+	794	0.128	+	575	0.104
		22	MC	.	.	.	*	794	-0.206	*	575	-0.146
		23	CR	.	.	.	*	794	-0.121	.	.	.
		30	CR	*	587	-0.103	.	.	.	.	.	.
		37	CR	.	.	.	*	794	-0.170	*	575	-0.141
		44	CR	.	.	.	*	794	-0.107	.	.	.
		48	CR	.	.	.	+	794	0.197	.	.	.
		51	CR	.	.	.	+	794	0.178	+	575	0.138
		54	MC	.	.	.	+	794	0.112	.	.	.
	7	3	CR	.	.	.	+	766	0.107	.	.	.
		40	CR	.	.	.	+	766	0.112	.	.	.
		43	CR	.	.	.	*	766	-0.198	.	.	.
		53	CR	.	.	.	+	766	0.122	.	.	.
		60	CR	.	.	.	*	766	-0.179	.	.	.
	8	7	CR	.	.	.	*	787	-0.129	.	.	.
		18	MC	.	.	.	*	787	-0.104	.	.	.
		26	MC	.	.	.	*	787	-0.128	.	.	.
		27	MC	*	551	-0.121	*	787	-0.112	*	537	-0.130
		28	CR	.	.	.	*	787	-0.139	.	.	.
		29	MC	*	551	-0.110	.	.	.	*	537	-0.101
		40	CR	.	.	.	+	787	0.132	.	.	.
		53	CR	.	.	.	.	.	.	*	537	-0.139

1. Flag + = favoring and * = disfavoring

Table 246. Items Flagged for DIF by Homeless, Immigrant, and Migrant Focal Groups (Continued)

Content Area	Grade	Item #	Item Type	Focal Group[1] Homeless Flag	Homeless N	Homeless Obs-Prd	Immigrant Flag	Immigrant N	Immigrant Obs-Prd	Migrant Flag	Migrant N	Migrant Obs-Prd
Mathematics	9	6	CR	.	.	.	+	846	0.117	+	460	0.116
		35	CR	.	.	.	*	846	-0.112	.	.	.
		47	MC	.	.	.	*	846	-0.146	*	460	-0.112
		54	CR	*	514	-0.104	*	846	-0.138	.	.	.
		60	CR	.	.	.	*	846	-0.134	.	.	.
	10	5	MC	.	.	.	+	739	0.126	.	.	.
		12	CR	.	.	.	+	739	0.136	+	351	0.171
		15	CR	.	.	.	*	739	-0.219	.	.	.
		26	MC	.	.	.	+	739	0.120	.	.	.
		27	CR	.	.	.	*	739	-0.117	.	.	.
		30	CR	.	.	.	*	739	-0.149	.	.	.
		34	MC	.	.	.	*	739	-0.100	.	.	.
		35	CR	.	.	.	*	739	-0.111	.	.	.
		40	CR	.	.	.	*	739	-0.123	.	.	.
Reading	3	15	CR	.	.	.	+	1217	0.227	+	591	0.217
		21	CR	.	.	.	+	1217	0.106	+	591	0.108
		27	CR	.	.	.	+	1217	0.181	+	591	0.119
		33	MC	.	.	.	*	1217	-0.120	*	591	-0.123
	4	14	CR	.	.	.	+	737	0.125	.	.	.
		22	MC	.	.	.	*	737	-0.107	.	.	.
		28	MC	.	.	.	*	737	-0.104	.	.	.
		37	CR	.	.	.	+	737	0.114	.	.	.
		53	MC	.	.	.	*	737	-0.135	.	.	.
		57	CR	.	.	.	+	737	0.114	+	602	0.124
		60	MC	.	.	.	.	.	.	*	602	-0.151
		63	CR	.	.	.	+	737	0.143	+	602	0.127
	5	10	CR	.	.	.	*	839	-0.111	.	.	.
		14	CR	.	.	.	.	.	.	*	625	-0.121
		51	MC	.	.	.	.	.	.	*	625	-0.138
		52	MC	.	.	.	.	.	.	+	625	0.111
		54	CR	.	.	.	+	839	0.157	.	.	.
		62	MC	.	.	.	*	839	-0.152	.	.	.
	6	25	MC	.	.	.	*	781	-0.103	.	.	.
		26	CR	.	.	.	+	781	0.153	+	567	0.228
		38	MC	.	.	.	.	.	.	*	567	-0.111
		57	MC	.	.	.	*	781	-0.119	.	.	.
		62	MC	.	.	.	+	781	0.124	.	.	.
	7	1	CR	.	.	.	+	755	0.241	+	551	0.128
		2	CR	.	.	.	+	755	0.222	+	551	0.109
		10	MC	.	.	.	+	755	0.117	.	.	.
		23	MC	.	.	.	*	755	-0.187	.	.	.
		29	CR	.	.	.	*	755	-0.241	.	.	.
		31	MC	.	.	.	.	.	.	*	551	-0.131
		38	CR	.	.	.	+	755	0.155	.	.	.
		39	CR	.	.	.	+	755	0.223	+	551	0.127

1. Flag + = favoring and * = disfavoring

Table 246. Items Flagged for DIF by Homeless, Immigrant, and Migrant Focal Groups (Continued)

Content Area	Grade	Item #	Item Type	Focal Group[1] Homeless Flag	Homeless N	Homeless Obs-Prd	Immigrant Flag	Immigrant N	Immigrant Obs-Prd	Migrant Flag	Migrant N	Migrant Obs-Prd
Reading	8	10	CR	.	.	.	+	775	0.136	+	532	0.204
		11	CR	.	.	.	+	775	0.256	.	.	.
		24	CR	.	.	.	+	775	0.231	+	532	0.140
		25	CR	.	.	.	+	775	0.172	.	.	.
		26	CR	.	.	.	*	775	-0.136	.	.	.
		27	MC	.	.	.	*	775	-0.109	.	.	.
		34	CR	.	.	.	+	775	0.266	+	532	0.161
		35	CR	.	.	.	+	775	0.164	+	532	0.153
		44	CR	.	.	.	*	775	-0.115	*	532	-0.100
		45	CR	.	.	.	*	775	-0.129	.	.	.
		49	MC	.	.	.	*	775	-0.102	.	.	.
		52	MC	.	.	.	+	775	0.105	.	.	.
		55	MC	.	.	.	.	.	.	*	532	-0.118
		62	CR	.	.	.	+	775	0.130	+	532	0.135
		65	CR	+	552	0.139	.	.	.	+	532	0.189
		67	MC	.	.	.	.	.	.	*	532	-0.132
	9	2	CR	.	.	.	*	829	-0.232	*	455	-0.158
		4	MC	.	.	.	*	829	-0.126	.	.	.
		7	MC	.	.	.	*	829	-0.136	*	455	-0.111
		10	CR	.	.	.	+	829	0.115	+	455	0.168
		11	CR	.	.	.	+	829	0.240	+	455	0.165
		26	MC	.	.	.	*	829	-0.128	.	.	.
		30	CR	.	.	.	*	829	-0.108	.	.	.
		34	MC	.	.	.	*	829	-0.135	*	455	-0.159
		42	MC	.	.	.	*	829	-0.109	*	455	-0.179
		43	MC	.	.	.	+	829	0.129	+	455	0.139
		44	CR	.	.	.	+	829	0.343	+	455	0.244
		55	CR	.	.	.	+	829	0.145	.	.	.
		56	MC	.	.	.	*	829	-0.100	.	.	.
		59	CR	.	.	.	+	829	0.211	+	455	0.184
		60	CR	.	.	.	+	829	0.354	+	455	0.252
		61	CR	.	.	.	+	829	0.166	.	.	.
	10	2	MC	.	.	.	*	724	-0.110	.	.	.
		7	CR	+	342	0.146	.	.	.	+	349	0.141
		11	CR	.	.	.	+	724	0.154	.	.	.
		28	MC	.	.	.	*	724	-0.181	*	349	-0.117
		43	CR	.	.	.	+	724	0.112	.	.	.
		46	CR	.	.	.	+	724	0.103	+	349	0.143
		47	CR	.	.	.	+	724	0.346	+	349	0.286
		48	CR	.	.	.	.	.	.	+	349	0.127
		66	MC	.	.	.	.	.	.	*	349	-0.166
		68	MC	.	.	.	.	.	.	*	349	-0.122
		69	MC	.	.	.	*	724	-0.129	*	349	-0.168
		70	CR	.	.	.	*	724	-0.146	.	.	.

1. Flag + = favoring and * = disfavoring

Table 246. Items Flagged for DIF by Homeless, Immigrant, and Migrant Focal Groups (Continued)

				Focal Group[1]								
				Homeless			Immigrant			Migrant		
Content Area	Grade	Item #	Item Type	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd
Science	5	25	CR	.	.	.	+	851	0.110	+	622	0.117
		28	CR	.	.	.	*	851	-0.106	*	622	-0.110
		46	CR	.	.	.	*	851	-0.269	*	622	-0.190
		64	CR	.	.	.	*	851	-0.171	.	.	.
	8	2	CR	.	.	.	+	783	0.146	.	.	.
		22	CR	.	.	.	+	783	0.260	+	535	0.191
		41	CR	.	.	.	.	.	.	+	535	0.105
		44	MC	.	.	.	.	.	.	*	535	-0.114
		49	CR	.	.	.	*	783	-0.112	.	.	.
		66	CR	.	.	.	*	783	-0.245	.	.	.
	10	22	CR	.	.	.	+	739	0.211	+	355	0.222
		23	CR	.	.	.	*	739	-0.187	.	.	.
		26	CR	.	.	.	+	739	0.125	.	.	.
		35	CR	.	.	.	*	739	-0.159	.	.	.
		39	MC	.	.	.	+	739	0.105	+	355	0.128
		40	CR	.	.	.	*	739	-0.159	.	.	.
		71	CR	.	.	.	*	739	-0.308	*	355	-0.294
		76	MC	.	.	.	+	739	0.118	.	.	.
Writing	3	7	MC	.	.	.	.	.	.	*	584	-0.133
		11	MC	.	.	.	*	1211	-0.240	*	584	-0.263
		14	MC	.	.	.	*	1211	-0.187	*	584	-0.186
		23	MC	.	.	.	*	1211	-0.149	*	584	-0.163
		24	MC	.	.	.	.	.	.	*	584	-0.113
		52	CR	.	.	.	.	.	.	+	584	0.113
	4	4	CR	.	.	.	+	734	0.138	+	604	0.113
		8	CR	.	.	.	+	734	0.143	+	604	0.101
		11	CR	.	.	.	+	734	0.129	+	604	0.162
		13	MC	.	.	.	*	734	-0.252	*	604	-0.186
		14	MC	.	.	.	*	734	-0.223	*	604	-0.160
		15	MC	.	.	.	*	734	-0.123	*	604	-0.116
		29	MC	.	.	.	*	734	-0.139	*	604	-0.139
		52	MC	.	.	.	.	.	.	*	604	-0.116
		53	CR	.	.	.	+	734	0.128	+	604	0.162
	5	8	CR	.	.	.	+	842	0.134	+	621	0.162
		16	MC	.	.	.	*	842	-0.224	*	621	-0.116
		30	CR	.	.	.	+	842	0.133	+	621	0.132
		34	MC	.	.	.	.	.	.	*	621	-0.105
		53	CR	.	.	.	.	.	.	+	621	0.102
	6	11	MC	.	.	.	*	781	-0.154	.	.	.
		25	MC	.	.	.	+	781	0.116	.	.	.
		31	CR	.	.	.	+	781	0.120	+	569	0.189
		34	MC	.	.	.	*	781	-0.117	*	569	-0.149
		47	MC	.	.	.	+	781	0.112	.	.	.
		52	CR	.	.	.	+	781	0.169	+	569	0.133
		53	CR	.	.	.	.	.	.	+	569	0.111

1. Flag + = favoring and * = disfavoring

Table 246. Items Flagged for DIF by Homeless, Immigrant, and Migrant Focal Groups (Concluded)

				Focal Group[1]								
				Homeless			Immigrant			Migrant		
Content Area	Grade	Item #	Item Type	Flag	N	Obs-Prd	Flag	N	Obs-Prd	Flag	N	Obs-Prd
Writing	7	8	CR	.	.	.	+	753	0.135	+	548	0.151
		21	CR	.	.	.	.	.	.	+	548	0.102
		46	MC	.	.	.	*	753	-0.112	*	548	-0.134
		53	CR	.	.	.	.	.	.	+	548	0.157
	8	6	CR	.	.	.	+	774	0.117	.	.	.
		10	CR	.	.	.	*	774	-0.110	.	.	.
		11	CR	+	552	0.125	+	774	0.115	+	534	0.172
		13	MC	.	.	.	+	774	0.138	.	.	.
		15	MC	.	.	.	*	774	-0.108	*	534	-0.148
		25	MC	.	.	.	*	774	-0.133	.	.	.
		28	CR	+	552	0.134	.	.	.	+	534	0.101
		30	MC	.	.	.	*	774	-0.188	*	534	-0.115
		36	MC	.	.	.	+	774	0.107	.	.	.
		38	MC	*	552	-0.114	*	774	-0.146	*	534	-0.126
		48	MC	.	.	.	+	774	0.123	.	.	.
		49	MC	.	.	.	+	774	0.116	.	.	.
		53	CR	.	.	.	.	.	.	+	534	0.178
	9	2	CR	.	.	.	+	826	0.237	+	452	0.154
		11	MC	.	.	.	*	826	-0.102	.	.	.
		13	MC	.	.	.	*	826	-0.136	*	452	-0.131
		16	MC	.	.	.	*	826	-0.267	*	452	-0.224
		24	CR	.	.	.	.	.	.	+	452	0.142
		51	MC	.	.	.	+	826	0.110	.	.	.
		52	CR	.	.	.	+	826	0.128	+	452	0.247
		53	CR	.	.	.	.	.	.	+	452	0.208
	10	4	CR	.	.	.	+	721	0.300	+	351	0.278
		6	CR	.	.	.	*	721	-0.155	*	351	-0.124
		7	CR	.	.	.	*	721	-0.113	.	.	.
		31	MC	.	.	.	+	721	0.105	.	.	.
		33	CR	.	.	.	.	.	.	+	351	0.121
		41	MC	.	.	.	*	721	-0.202	*	351	-0.215
		49	MC	.	.	.	*	721	-0.119	*	351	-0.168
		53	CR	.	.	.	.	.	.	+	351	0.155
Spanish Reading	3	27	MC	*	66	-0.120	.	.	.	.	.	.
Spanish Writing	3	36	CR	.	.	.	.	.	.	+	101	0.116

1. Flag + = favoring and * = disfavoring

Table 247. Inter-correlation among Content Areas (Scale Scores)

Grade	Content Area	Reading	Writing	Mathematics	Science
3	Reading	1.000	0.763	0.706	
	Writing	0.763	1.000	0.749	
	Mathematics	0.706	0.749	1.000	
4	Reading	1.000	0.816	0.758	
	Writing	0.816	1.000	0.760	
	Mathematics	0.758	0.760	1.000	
5	Reading	1.000	0.825	0.784	0.842
	Writing	0.825	1.000	0.780	0.769
	Mathematics	0.784	0.780	1.000	0.813
	Science	0.842	0.769	0.813	1.000
6	Reading	1.000	0.822	0.759	
	Writing	0.822	1.000	0.769	
	Mathematics	0.759	0.769	1.000	
7	Reading	1.000	0.832	0.775	
	Writing	0.832	1.000	0.775	
	Mathematics	0.775	0.775	1.000	
8	Reading	1.000	0.853	0.796	0.857
	Writing	0.853	1.000	0.770	0.795
	Mathematics	0.796	0.770	1.000	0.860
	Science	0.857	0.795	0.860	1.000
9	Reading	1.000	0.851	0.793	
	Writing	0.851	1.000	0.776	
	Mathematics	0.793	0.776	1.000	
10	Reading	1.000	0.843	0.770	0.818
	Writing	0.843	1.000	0.766	0.774
	Mathematics	0.770	0.766	1.000	0.858
	Science	0.818	0.774	0.858	1.000

Table 248. Inter-correlation among Content Areas (Percentile Ranks)

Grade	Content Area	Reading	Writing	Mathematics	Science
3	Reading	1.000	0.788	0.742	
	Writing	0.788	1.000	0.763	
	Mathematics	0.742	0.763	1.000	
4	Reading	1.000	0.857	0.779	
	Writing	0.857	1.000	0.769	
	Mathematics	0.779	0.769	1.000	
5	Reading	1.000	0.843	0.797	0.867
	Writing	0.843	1.000	0.785	0.771
	Mathematics	0.797	0.785	1.000	0.815
	Science	0.867	0.771	0.815	1.000
6	Reading	1.000	0.841	0.768	
	Writing	0.841	1.000	0.765	
	Mathematics	0.768	0.765	1.000	
7	Reading	1.000	0.861	0.803	
	Writing	0.861	1.000	0.785	
	Mathematics	0.803	0.785	1.000	
8	Reading	1.000	0.876	0.808	0.864
	Writing	0.876	1.000	0.787	0.804
	Mathematics	0.808	0.787	1.000	0.866
	Science	0.864	0.804	0.866	1.000
9	Reading	1.000	0.883	0.814	
	Writing	0.883	1.000	0.788	
	Mathematics	0.814	0.788	1.000	
10	Reading	1.000	0.876	0.793	0.835
	Writing	0.876	1.000	0.768	0.771
	Mathematics	0.793	0.768	1.000	0.866
	Science	0.835	0.771	0.866	1.000

Table 249. Inter-correlation with Demographic Variables

Content Area	Grade	Language	Age	Gender	Am. Indian/ AK Nat.	Asian	Black	Hispanic
Mathematics	3	English	-0.047	0.003	-0.036	0.067	-0.126	-0.306
Mathematics	4	English	-0.101	0.025	-0.037	0.081	-0.127	-0.300
Mathematics	5	English	-0.127	0.004	-0.034	0.080	-0.136	-0.289
Mathematics	6	English	-0.156	0.009	-0.036	0.081	-0.130	-0.305
Mathematics	7	English	-0.166	-0.005	-0.034	0.081	-0.144	-0.300
Mathematics	8	English	-0.179	0.003	-0.035	0.071	-0.154	-0.312
Mathematics	9	English	-0.252	-0.003	-0.034	0.064	-0.161	-0.321
Mathematics	10	English	-0.217	0.024	-0.039	0.065	-0.160	-0.309
Reading	3	English	-0.063	-0.070	-0.041	0.032	-0.094	-0.286
Reading	4	English	-0.103	-0.104	-0.032	0.044	-0.103	-0.325
Reading	5	English	-0.124	-0.099	-0.027	0.037	-0.107	-0.325
Reading	6	English	-0.145	-0.099	-0.030	0.036	-0.113	-0.337
Reading	7	English	-0.162	-0.106	-0.030	0.037	-0.107	-0.337
Reading	8	English	-0.169	-0.120	-0.033	0.030	-0.122	-0.336
Reading	9	English	-0.226	-0.130	-0.030	0.027	-0.119	-0.330
Reading	10	English	-0.217	-0.173	-0.033	0.022	-0.113	-0.306
Reading	3	Spanish	-0.036	-0.139	-0.015		0.055	-0.035
Reading	4	Spanish	-0.204	-0.076				0.009
Science	5	English	-0.090	0.041	-0.028	0.037	-0.139	-0.378
Science	8	English	-0.159	0.019	-0.035	0.038	-0.160	-0.357
Science	10	English	-0.205	0.049	-0.037	0.024	-0.149	-0.357
Writing	3	English	-0.075	-0.155	-0.044	0.039	-0.103	-0.284
Writing	4	English	-0.104	-0.152	-0.036	0.058	-0.103	-0.316
Writing	5	English	-0.127	-0.194	-0.037	0.057	-0.105	-0.298
Writing	6	English	-0.156	-0.195	-0.033	0.055	-0.100	-0.308
Writing	7	English	-0.173	-0.213	-0.032	0.061	-0.100	-0.305
Writing	8	English	-0.180	-0.208	-0.032	0.043	-0.112	-0.313
Writing	9	English	-0.241	-0.210	-0.032	0.038	-0.113	-0.323
Writing	10	English	-0.223	-0.211	-0.038	0.040	-0.113	-0.301
Writing	3	Spanish	-0.074	-0.193	0.003		0.020	-0.055
Writing	4	Spanish	-0.185	-0.135				-0.028

Table 250. Predictive Validity Coefficients

Content Area	Grade in 2006	Grade in 2007	Number Matched	Reliability 2006	Reliability 2007	Correlation $r_{2005\text{-}2006}$	Validity Coefficient
Mathematics	3	4	52727	0.90	0.94	0.81	0.88
Mathematics	4	5	52881	0.94	0.94	0.86	0.92
Mathematics	5	6	52474	0.94	0.94	0.87	0.93
Mathematics	6	7	52745	0.94	0.93	0.89	0.95
Mathematics	7	8	53327	0.93	0.93	0.90	0.97
Mathematics	8	9	52196	0.93	0.93	0.89	0.96
Mathematics	9	10	49790	0.93	0.93	0.89	0.96
Reading	3	4	50656	0.89	0.93	0.82	0.90
Reading	4	5	52306	0.92	0.93	0.86	0.93
Reading	5	6	52001	0.93	0.93	0.84	0.91
Reading	6	7	52433	0.93	0.93	0.87	0.94
Reading	7	8	53419	0.93	0.93	0.88	0.94
Reading	8	9	52366	0.93	0.93	0.87	0.93
Reading	9	10	50075	0.93	0.93	0.85	0.92
Spanish Reading	3	4	129	0.86	0.92	0.77	0.86
Writing	3	4	51144	0.91	0.92	0.77	0.84
Writing	4	5	52539	0.91	0.91	0.81	0.89
Writing	5	6	52478	0.92	0.91	0.83	0.90
Writing	6	7	52887	0.91	0.91	0.84	0.93
Writing	7	8	53679	0.91	0.91	0.85	0.94
Writing	8	9	52672	0.92	0.92	0.85	0.93
Writing	9	10	50341	0.93	0.92	0.85	0.92
Spanish Writing	3	4	135	0.91	0.86	0.72	0.81

Table 251. Classification Consistency and Classification Accuracy for Mathematics Grade 3

Contingency Table with All Cut Scores

	Unsatisfactory	Partially Proficient	Proficient	Advanced	Sum
Unsatisfactory	0.0595	0.0207	0.0001	0.0000	0.0803
Partially Proficient	0.0207	0.1677	0.0523	0.0001	0.2409
Proficient	0.0001	0.0540	0.2937	0.0600	0.4078
Advanced	0.0000	0.0001	0.0636	0.2073	0.2711
Sum	0.0803	0.2425	0.4097	0.2675	1.0000
Observed Score Dist.	0.0742	0.2409	0.4309	0.2540	

Indexes for Classification Consistency and Classification Accuracy

	Cut 1	Cut 2	Cut 3	All Cuts
Classification Agreement (P)	0.9585	0.8933	0.8760	0.7283
Chance Probability (P_c)	0.8523	0.5634	0.6065	0.3044
Kappa	0.7189	0.7556	0.6850	0.6093
Classification Accuracy	0.9709	0.9259	0.9113	0.8081

Table 252. Classification Consistency and Classification Accuracy for Mathematics Grade 4

Contingency Table with All Cut Scores

	Unsatisfactory	Partially Proficient	Proficient	Advanced	Sum
Unsatisfactory	0.0726	0.0164	0.0001	0.0000	0.0891
Partially Proficient	0.0154	0.1562	0.0341	0.0000	0.2057
Proficient	0.0000	0.0380	0.3366	0.0463	0.4210
Advanced	0.0000	0.0000	0.0505	0.2338	0.2843
Sum	0.0880	0.2106	0.4213	0.2801	1.0000
Observed Score Dist.	0.0860	0.2063	0.4339	0.2738	

Indexes for Classification Consistency and Classification Accuracy

	Cut 1	Cut 2	Cut 3	All Cuts
Classification Agreement (P)	0.9681	0.9278	0.9032	0.7992
Chance Probability (P_c)	0.8386	0.5827	0.5949	0.3081
Kappa	0.8023	0.8270	0.7610	0.7098
Classification Accuracy	0.9775	0.9487	0.9318	0.8580

Table 253. Classification Consistency and Classification Accuracy for Mathematics Grade 5

Contingency Table with All Cut Scores

	Unsatisfactory	Partially Proficient	Proficient	Advanced	Sum
Unsatisfactory	0.0914	0.0189	0.0000	0.0000	0.1103
Partially Proficient	0.0196	0.1846	0.0321	0.0000	0.2363
Proficient	0.0000	0.0400	0.2675	0.0420	0.3495
Advanced	0.0000	0.0000	0.0455	0.2584	0.3039
Sum	0.1110	0.2435	0.3452	0.3004	1.000
Observed Score Dist.	0.1065	0.2435	0.3532	0.2968	

Indexes for Classification Consistency and Classification Accuracy

	Cut 1	Cut 2	Cut 3	All Cuts
Classification Agreement (P)	0.9616	0.9279	0.9125	0.8019
Chance Probability (P_c)	0.8032	0.5447	0.5783	0.2817
Kappa	0.8046	0.8416	0.7924	0.7242
Classification Accuracy	0.9719	0.9510	0.9361	0.8591

Table 254. Classification Consistency and Classification Accuracy for Mathematics Grade 6

Contingency Table with All Cut Scores

	Unsatisfactory	Partially Proficient	Proficient	Advanced	Sum
Unsatisfactory	0.1071	0.0260	0.0000	0.0000	0.1331
Partially Proficient	0.0263	0.1973	0.0410	0.0000	0.2646
Proficient	0.0000	0.0426	0.2676	0.0364	0.3466
Advanced	0.0000	0.0000	0.0376	0.2181	0.2557
Sum	0.1334	0.2659	0.3462	0.2545	1.0000
Observed Score Dist.	0.1293	0.2661	0.3552	0.2495	

Indexes for Classification Consistency and Classification Accuracy

	Cut 1	Cut 2	Cut 3	All Cuts
Classification Agreement (P)	0.9477	0.9164	0.9260	0.7901
Chance Probability (P_c)	0.7690	0.5206	0.6200	0.2732
Kappa	0.7737	0.8255	0.8053	0.7112
Classification Accuracy	0.9614	0.9387	0.9499	0.8499

Table 255. Classification Consistency and Classification Accuracy for Mathematics Grade 7

Contingency Table with All Cut Scores

	Unsatisfactory	Partially Proficient	Proficient	Advanced	Sum
Unsatisfactory	0.1184	0.0302	0.0000	0.0000	0.1486
Partially Proficient	0.0352	0.2634	0.0417	0.0001	0.3404
Proficient	0.0000	0.0427	0.2209	0.0317	0.2954
Advanced	0.0000	0.0000	0.0311	0.1845	0.2156
Sum	0.1536	0.3363	0.2937	0.2164	1.0000
Observed Score Dist.	0.1437	0.3488	0.2970	0.2105	

Indexes for Classification Consistency and Classification Accuracy

	Cut 1	Cut 2	Cut 3	All Cuts
Classification Agreement (P)	0.9346	0.9155	0.9370	0.7872
Chance Probability (P_c)	0.7434	0.5002	0.6613	0.2707
Kappa	0.7449	0.8309	0.8140	0.7082
Classification Accuracy	0.9516	0.9379	0.9555	0.8450

Table 256. Classification Consistency and Classification Accuracy for Mathematics Grade 8

Contingency Table with All Cut Scores

	Unsatisfactory	Partially Proficient	Proficient	Advanced	Sum
Unsatisfactory	0.1913	0.0396	0.0001	0.0000	0.2310
Partially Proficient	0.0356	0.2294	0.0396	0.0001	0.3047
Proficient	0.0000	0.0428	0.2179	0.0266	0.2874
Advanced	0.0000	0.0000	0.0278	0.1492	0.1769
Sum	0.2269	0.3118	0.2854	0.1759	1.0000
Observed Score Dist.	0.2249	0.3132	0.2904	0.1716	

Indexes for Classification Consistency and Classification Accuracy

	Cut 1	Cut 2	Cut 3	All Cuts
Classification Agreement (P)	0.9247	0.9174	0.9455	0.7878
Chance Probability (P_c)	0.6469	0.5028	0.7094	0.2606
Kappa	0.7867	0.8338	0.8124	0.7130
Classification Accuracy	0.9471	0.9401	0.9621	0.8493

Table 257. Classification Consistency and Classification Accuracy for Mathematics Grade 9

Contingency Table with All Cut Scores

	Unsatisfactory	Partially Proficient	Proficient	Advanced	Sum
Unsatisfactory	0.2932	0.0461	0.0000	0.0000	0.3393
Partially Proficient	0.0526	0.2066	0.0425	0.0000	0.3017
Proficient	0.0001	0.0376	0.1787	0.0240	0.2404
Advanced	0.0000	0.0000	0.0210	0.0976	0.1186
Sum	0.3460	0.2903	0.2422	0.1216	1.0000
Observed Score Dist.	0.3394	0.3021	0.2424	0.1161	

Indexes for Classification Consistency and Classification Accuracy

	Cut 1	Cut 2	Cut 3	All Cuts
Classification Agreement (P)	0.9012	0.9197	0.9550	0.7761
Chance Probability (P_c)	0.5495	0.5384	0.7887	0.2776
Kappa	0.7806	0.8261	0.7872	0.6900
Classification Accuracy	0.9305	0.9416	0.9701	0.8422

Table 258. Classification Consistency and Classification Accuracy for Mathematics Grade 10

Contingency Table with All Cut Scores

	Unsatisfactory	Partially Proficient	Proficient	Advanced	Sum
Unsatisfactory	0.2920	0.0460	0.0000	0.0000	0.3379
Partially Proficient	0.0465	0.2623	0.0364	0.0000	0.3452
Proficient	0.0000	0.0392	0.2087	0.0138	0.2617
Advanced	0.0000	0.0000	0.0140	0.0411	0.0551
Sum	0.3385	0.3475	0.2592	0.0549	1.0000
Observed Score Dist.	0.3366	0.3509	0.2607	0.0518	

Indexes for Classification Consistency and Classification Accuracy

	Cut 1	Cut 2	Cut 3	All Cuts
Classification Agreement (P)	0.9075	0.9244	0.9722	0.8041
Chance Probability (P_c)	0.5524	0.5681	0.8961	0.3052
Kappa	0.7935	0.8249	0.7322	0.7180
Classification Accuracy	0.9345	0.9490	0.9818	0.8652

Table 259. Classification Consistency and Classification Accuracy for Reading Grade 3

Contingency Table with All Cut Scores

	Unsatisfactory	Partially Proficient	Proficient	Advanced	Sum
Unsatisfactory	0.0846	0.0213	0.0006	0.0000	0.1065
Partially Proficient	0.0193	0.1150	0.0495	0.0000	0.1838
Proficient	0.0005	0.0510	0.5268	0.0419	0.6202
Advanced	0.0000	0.0000	0.0360	0.0535	0.0895
Sum	0.1044	0.1873	0.6129	0.0954	1.0000
Observed Score Dist.	0.0983	0.1871	0.6450	0.0696	

Indexes for Classification Consistency and Classification Accuracy

	Cut 1	Cut 2	Cut 3	All Cuts
Classification Agreement (P)	0.9583	0.8985	0.9221	0.7800
Chance Probability (P_c)	0.8113	0.5873	0.8322	0.4342
Kappa	0.7791	0.7540	0.5361	0.6112
Classification Accuracy	0.9708	0.9245	0.9478	0.8432

Table 260. Classification Consistency and Classification Accuracy for Reading Grade 4

Contingency Table with All Cut Scores

	Unsatisfactory	Partially Proficient	Proficient	Advanced	Sum
Unsatisfactory	0.1183	0.0211	0.0000	0.0000	0.1394
Partially Proficient	0.0220	0.1554	0.0398	0.0000	0.2172
Proficient	0.0001	0.0438	0.4886	0.0310	0.5634
Advanced	0.0000	0.0000	0.0311	0.0490	0.0800
Sum	0.1404	0.2203	0.5594	0.0799	1.0000
Observed Score Dist.	0.1346	0.2211	0.5796	0.0647	

Indexes for Classification Consistency and Classification Accuracy

	Cut 1	Cut 2	Cut 3	All Cuts
Classification Agreement (P)	0.9568	0.9163	0.9380	0.8111
Chance Probability (P_c)	0.7594	0.5400	0.8529	0.3890
Kappa	0.8203	0.8180	0.5784	0.6909
Classification Accuracy	0.9698	0.9390	0.9596	0.8685

Table 261. Classification Consistency and Classification Accuracy for Reading Grade 5

Contingency Table with All Cut Scores

	Unsatisfactory	Partially Proficient	Proficient	Advanced	Sum
Unsatisfactory	0.1108	0.0205	0.0001	0.0000	0.1314
Partially Proficient	0.0193	0.1239	0.0395	0.0000	0.1827
Proficient	0.0002	0.0406	0.5061	0.0332	0.5801
Advanced	0.0000	0.0000	0.0328	0.0730	0.1058
Sum	0.1304	0.1850	0.5784	0.1062	1.0000
Observed Score Dist.	0.1272	0.1842	0.5965	0.0921	

Indexes for Classification Consistency and Classification Accuracy

	Cut 1	Cut 2	Cut 3	All Cuts
Classification Agreement (P)	0.9599	0.9196	0.9340	0.8138
Chance Probability (P_c)	0.7725	0.5687	0.8104	0.3977
Kappa	0.8236	0.8136	0.6521	0.6909
Classification Accuracy	0.9716	0.9444	0.9528	0.8688

Table 262. Classification Consistency and Classification Accuracy for Reading Grade 6

Contingency Table with All Cut Scores

	Unsatisfactory	Partially Proficient	Proficient	Advanced	Sum
Unsatisfactory	0.0892	0.0173	0.0001	0.0000	0.1066
Partially Proficient	0.0177	0.1378	0.0349	0.0000	0.1904
Proficient	0.0001	0.0396	0.5033	0.0364	0.5794
Advanced	0.0000	0.0000	0.0348	0.0888	0.1236
Sum	0.1070	0.1947	0.5732	0.1252	1.0000
Observed Score Dist.	0.1033	0.1909	0.5891	0.1168	

Indexes for Classification Consistency and Classification Accuracy

	Cut 1	Cut 2	Cut 3	All Cuts
Classification Agreement (P)	0.9648	0.9252	0.9288	0.8190
Chance Probability (P_c)	0.8092	0.5805	0.7822	0.3960
Kappa	0.8154	0.8218	0.6729	0.7003
Classification Accuracy	0.9741	0.9456	0.9512	0.8709

Table 263. Classification Consistency and Classification Accuracy for Reading Grade 7

Contingency Table with All Cut Scores

	Unsatisfactory	Partially Proficient	Proficient	Advanced	Sum
Unsatisfactory	0.1130	0.0227	0.0001	0.0000	0.1359
Partially Proficient	0.0211	0.1493	0.0391	0.0000	0.2095
Proficient	0.0000	0.0429	0.4818	0.0308	0.5555
Advanced	0.0000	0.0000	0.0319	0.0672	0.0991
Sum	0.1342	0.2149	0.5530	0.0979	1.0000
Observed Score Dist.	0.1309	0.2112	0.5720	0.0859	

Indexes for Classification Consistency and Classification Accuracy

	Cut 1	Cut 2	Cut 3	All Cuts
Classification Agreement (P)	0.9560	0.9179	0.9373	0.8114
Chance Probability (P_c)	0.7664	0.5467	0.8224	0.3801
Kappa	0.8118	0.8190	0.6469	0.6957
Classification Accuracy	0.9682	0.9404	0.9579	0.8665

Table 264. Classification Consistency and Classification Accuracy for Reading Grade 8

Contingency Table with All Cut Scores

	Unsatisfactory	Partially Proficient	Proficient	Advanced	Sum
Unsatisfactory	0.1018	0.0243	0.0002	0.0000	0.1263
Partially Proficient	0.0245	0.1647	0.0460	0.0000	0.2351
Proficient	0.0000	0.0461	0.4705	0.0307	0.5473
Advanced	0.0000	0.0000	0.0301	0.0612	0.0913
Sum	0.1263	0.2350	0.5468	0.0919	1.0000
Observed Score Dist.	0.1232	0.2379	0.5586	0.0803	

Indexes for Classification Consistency and Classification Accuracy

	Cut 1	Cut 2	Cut 3	All Cuts
Classification Agreement (P)	0.9510	0.9078	0.9392	0.7981
Chance Probability (P_c)	0.7793	0.5384	0.8336	0.3788
Kappa	0.7778	0.8002	0.6347	0.6750
Classification Accuracy	0.9661	0.9365	0.9581	0.8608

Table 265. Classification Consistency and Classification Accuracy for Reading Grade 9

Contingency Table with All Cut Scores

	Unsatisfactory	Partially Proficient	Proficient	Advanced	Sum
Unsatisfactory	0.0667	0.0167	0.0000	0.0000	0.0833
Partially Proficient	0.0171	0.1826	0.0393	0.0000	0.2390
Proficient	0.0000	0.0416	0.5697	0.0172	0.6286
Advanced	0.0000	0.0000	0.0184	0.0308	0.0491
Sum	0.0837	0.2409	0.6274	0.0480	1.0000
Observed Score Dist.	0.0799	0.2411	0.6395	0.0396	

Indexes for Classification Consistency and Classification Accuracy

	Cut 1	Cut 2	Cut 3	All Cuts
Classification Agreement (P)	0.9662	0.9192	0.9644	0.8498
Chance Probability (P_c)	0.8469	0.5623	0.9076	0.4612
Kappa	0.7795	0.8153	0.6148	0.7212
Classification Accuracy	0.9760	0.9427	0.9749	0.8936

Table 266. Classification Consistency and Classification Accuracy for Reading Grade 10

Contingency Table with All Cut Scores

	Unsatisfactory	Partially Proficient	Proficient	Advanced	Sum
Unsatisfactory	0.0725	0.0161	0.0000	0.0000	0.0886
Partially Proficient	0.0159	0.1533	0.0327	0.0000	0.2019
Proficient	0.0000	0.0363	0.5344	0.0315	0.6022
Advanced	0.0000	0.0000	0.0322	0.0751	0.1073
Sum	0.0884	0.2057	0.5993	0.1066	1.0000
Observed Score Dist.	0.0869	0.2006	0.6197	0.0929	

Indexes for Classification Consistency and Classification Accuracy

	Cut 1	Cut 2	Cut 3	All Cuts
Classification Agreement (P)	0.9680	0.9310	0.9363	0.8352
Chance Probability (P_c)	0.8386	0.5862	0.8090	0.4217
Kappa	0.8015	0.8331	0.6664	0.7151
Classification Accuracy	0.9774	0.9495	0.9539	0.8808

Table 267. Classification Consistency and Classification Accuracy for Science Grade 5

Contingency Table with All Cut Scores

	Unsatisfactory	Partially Proficient	Proficient	Advanced	Sum
Unsatisfactory	0.1643	0.0305	0.0000	0.0000	0.1948
Partially Proficient	0.0308	0.3007	0.0575	0.0007	0.3897
Proficient	0.0000	0.0497	0.1769	0.0419	0.2685
Advanced	0.0000	0.0013	0.0437	0.1020	0.1470
Sum	0.1951	0.3823	0.2780	0.1446	1.0000
Observed Score Dist.	0.1923	0.3887	0.2859	0.1331	

Indexes for Classification Consistency and Classification Accuracy

	Cut 1	Cut 2	Cut 3	All Cuts
Classification Agreement (P)	0.9387	0.8908	0.9124	0.7439
Chance Probability (P_c)	0.6861	0.5131	0.7509	0.2829
Kappa	0.8047	0.7757	0.6483	0.6429
Classification Accuracy	0.9568	0.9217	0.9405	0.8192

Table 268. Classification Consistency and Classification Accuracy for Science Grade 8

Contingency Table with All Cut Scores

	Unsatisfactory	Partially Proficient	Proficient	Advanced	Sum
Unsatisfactory	0.1741	0.0350	0.0007	0.0000	0.2097
Partially Proficient	0.0302	0.1921	0.0472	0.0000	0.2696
Proficient	0.0001	0.0490	0.3598	0.0252	0.4341
Advanced	0.0000	0.0000	0.0228	0.0638	0.0866
Sum	0.2044	0.2761	0.4306	0.0889	1.0000
Observed Score Dist.	0.2020	0.2753	0.4442	0.0785	

Indexes for Classification Consistency and Classification Accuracy

	Cut 1	Cut 2	Cut 3	All Cuts
Classification Agreement (P)	0.9340	0.9030	0.9520	0.7898
Chance Probability (P_c)	0.6716	0.5008	0.8399	0.3119
Kappa	0.7991	0.8057	0.7001	0.6945
Classification Accuracy	0.9519	0.9278	0.9677	0.8475

Table 269. Classification Consistency and Classification Accuracy for Science Grade 10

Contingency Table with All Cut Scores

	Unsatisfactory	Partially Proficient	Proficient	Advanced	Sum
Unsatisfactory	0.2269	0.0337	0.0001	0.0000	0.2607
Partially Proficient	0.0325	0.1660	0.0497	0.0000	0.2481
Proficient	0.0002	0.0464	0.3769	0.0163	0.4399
Advanced	0.0000	0.0000	0.0166	0.0347	0.0513
Sum	0.2597	0.2460	0.4433	0.0510	1.0000
Observed Score Dist.	0.2580	0.2489	0.4495	0.0436	

Indexes for Classification Consistency and Classification Accuracy

	Cut 1	Cut 2	Cut 3	All Cuts
Classification Agreement (P)	0.9335	0.9035	0.9671	0.8045
Chance Probability (P_c)	0.6150	0.5001	0.9030	0.3264
Kappa	0.8272	0.8070	0.6613	0.7098
Classification Accuracy	0.9529	0.9332	0.9775	0.8635

Table 270. Classification Consistency and Classification Accuracy for Writing Grade 3

Contingency Table with All Cut Scores

	Unsatisfactory	Partially Proficient	Proficient	Advanced	Sum
Unsatisfactory	0.0467	0.0140	0.0000	0.0000	0.0607
Partially Proficient	0.0133	0.3208	0.0621	0.0000	0.3962
Proficient	0.0000	0.0581	0.3282	0.0453	0.4317
Advanced	0.0000	0.0000	0.0444	0.0670	0.1114
Sum	0.0600	0.3929	0.4348	0.1123	1.0000
Observed Score Dist.	0.0561	0.3991	0.4572	0.0877	

Indexes for Classification Consistency and Classification Accuracy

	Cut 1	Cut 2	Cut 3	All Cuts
Classification Agreement (P)	0.9727	0.8797	0.9103	0.7627
Chance Probability (P_c)	0.8866	0.5041	0.8013	0.3595
Kappa	0.7595	0.7575	0.5484	0.6295
Classification Accuracy	0.9806	0.9120	0.9384	0.8310

Table 271. Classification Consistency and Classification Accuracy for Writing Grade 4

Contingency Table with All Cut Scores

	Unsatisfactory	Partially Proficient	Proficient	Advanced	Sum
Unsatisfactory	0.0691	0.0194	0.0000	0.0000	0.0885
Partially Proficient	0.0190	0.3428	0.0602	0.0000	0.4220
Proficient	0.0000	0.0625	0.2948	0.0334	0.3907
Advanced	0.0000	0.0001	0.0373	0.0614	0.0988
Sum	0.0881	0.4248	0.3923	0.0948	1.0000
Observed Score Dist.	0.0846	0.4261	0.4129	0.0765	

Indexes for Classification Consistency and Classification Accuracy

	Cut 1	Cut 2	Cut 3	All Cuts
Classification Agreement (P)	0.9616	0.8772	0.9291	0.7681
Chance Probability (P_c)	0.8390	0.5003	0.8252	0.3497
Kappa	0.7615	0.7543	0.5947	0.6433
Classification Accuracy	0.9713	0.9138	0.9509	0.8360

Table 272. Classification Consistency and Classification Accuracy for Writing Grade 5

Contingency Table with All Cut Scores

	Unsatisfactory	Partially Proficient	Proficient	Advanced	Sum
Unsatisfactory	0.0399	0.0164	0.0000	0.0000	0.0563
Partially Proficient	0.0145	0.3056	0.0515	0.0000	0.3716
Proficient	0.0000	0.0555	0.3656	0.0341	0.4552
Advanced	0.0000	0.0001	0.0380	0.0788	0.1169
Sum	0.0545	0.3776	0.4551	0.1128	1.0000
Observed Score Dist.	0.0502	0.3763	0.4753	0.0982	

Indexes for Classification Consistency and Classification Accuracy

	Cut 1	Cut 2	Cut 3	All Cuts
Classification Agreement (P)	0.9691	0.8929	0.9278	0.7899
Chance Probability (P_c)	0.8954	0.5098	0.7967	0.3637
Kappa	0.7047	0.7814	0.6449	0.6698
Classification Accuracy	0.9768	0.9210	0.9499	0.8478

Table 273. Classification Consistency and Classification Accuracy for Writing Grade 6

Contingency Table with All Cut Scores

	Unsatisfactory	Partially Proficient	Proficient	Advanced	Sum
Unsatisfactory	0.0397	0.0148	0.0000	0.0000	0.0545
Partially Proficient	0.0134	0.2738	0.0560	0.0000	0.3432
Proficient	0.0000	0.0561	0.3784	0.0384	0.4729
Advanced	0.0000	0.0000	0.0366	0.0928	0.1294
Sum	0.0531	0.3446	0.4711	0.1312	1.0000
Observed Score Dist.	0.0482	0.3473	0.4916	0.1129	

Indexes for Classification Consistency and Classification Accuracy

	Cut 1	Cut 2	Cut 3	All Cuts
Classification Agreement (P)	0.9718	0.8879	0.9250	0.7847
Chance Probability (P_c)	0.8982	0.5209	0.7734	0.3609
Kappa	0.7229	0.7660	0.6689	0.6630
Classification Accuracy	0.9792	0.9229	0.9477	0.8497

Table 274. Classification Consistency and Classification Accuracy for Writing Grade 7

Contingency Table with All Cut Scores

	Unsatisfactory	Partially Proficient	Proficient	Advanced	Sum
Unsatisfactory	0.0276	0.0126	0.0000	0.0000	0.0402
Partially Proficient	0.0109	0.2938	0.0513	0.0001	0.3562
Proficient	0.0000	0.0514	0.3489	0.0433	0.4437
Advanced	0.0000	0.0000	0.0434	0.1165	0.1600
Sum	0.0385	0.3578	0.4437	0.1600	1.0000
Observed Score Dist.	0.0350	0.3589	0.4592	0.1469	

Indexes for Classification Consistency and Classification Accuracy

	Cut 1	Cut 2	Cut 3	All Cuts
Classification Agreement (P)	0.9765	0.8971	0.9131	0.7868
Chance Probability (P_c)	0.9244	0.5215	0.7312	0.3514
Kappa	0.6891	0.7849	0.6767	0.6713
Classification Accuracy	0.9826	0.9225	0.9386	0.8437

Table 275. Classification Consistency and Classification Accuracy for Writing Grade 8

Contingency Table with All Cut Scores

	Unsatisfactory	Partially Proficient	Proficient	Advanced	Sum
Unsatisfactory	0.0340	0.0155	0.0000	0.0000	0.0495
Partially Proficient	0.0136	0.3650	0.0561	0.0004	0.4352
Proficient	0.0000	0.0531	0.3159	0.0364	0.4054
Advanced	0.0000	0.0000	0.0361	0.0739	0.1099
Sum	0.0476	0.4337	0.4081	0.1107	1.0000
Observed Score Dist.	0.0443	0.4403	0.4221	0.0933	

Indexes for Classification Consistency and Classification Accuracy

	Cut 1	Cut 2	Cut 3	All Cuts
Classification Agreement (P)	0.9709	0.8903	0.9271	0.7888
Chance Probability (P_c)	0.9076	0.5006	0.8037	0.3687
Kappa	0.6850	0.7803	0.6288	0.6654
Classification Accuracy	0.9800	0.9177	0.9509	0.8485

Table 276. Classification Consistency and Classification Accuracy for Writing Grade 9

Contingency Table with All Cut Scores

	Unsatisfactory	Partially Proficient	Proficient	Advanced	Sum
Unsatisfactory	0.0359	0.0142	0.0000	0.0000	0.0501
Partially Proficient	0.0143	0.3761	0.0504	0.0000	0.4408
Proficient	0.0000	0.0564	0.3330	0.0285	0.4179
Advanced	0.0000	0.0000	0.0303	0.0609	0.0912
Sum	0.0503	0.4466	0.4137	0.0894	1.0000
Observed Score Dist.	0.0468	0.4471	0.4295	0.0767	

Indexes for Classification Consistency and Classification Accuracy

	Cut 1	Cut 2	Cut 3	All Cuts
Classification Agreement (P)	0.9715	0.8932	0.9412	0.8059
Chance Probability (P_c)	0.9046	0.5001	0.8357	0.3804
Kappa	0.7008	0.7864	0.6423	0.6868
Classification Accuracy	0.9793	0.9228	0.9598	0.8619

Table 277. Classification Consistency and Classification Accuracy for Writing Grade 10

Contingency Table with All Cut Scores

	Unsatisfactory	Partially Proficient	Proficient	Advanced	Sum
Unsatisfactory	0.0579	0.0174	0.0000	0.0000	0.0753
Partially Proficient	0.0164	0.3317	0.0565	0.0000	0.4046
Proficient	0.0000	0.0542	0.3391	0.0304	0.4237
Advanced	0.0000	0.0001	0.0304	0.0658	0.0964
Sum	0.0743	0.4034	0.4260	0.0963	1.0000
Observed Score Dist.	0.0723	0.4068	0.4393	0.0817	

Indexes for Classification Consistency and Classification Accuracy

	Cut 1	Cut 2	Cut 3	All Cuts
Classification Agreement (P)	0.9662	0.8891	0.9390	0.7945
Chance Probability (P_c)	0.8616	0.5009	0.8259	0.3586
Kappa	0.7558	0.7779	0.6497	0.6796
Classification Accuracy	0.9755	0.9223	0.9582	0.8559

Table 278. Classification Consistency and Classification Accuracy for Spanish Reading Grade 3

Contingency Table with All Cut Scores

	Unsatisfactory	Partially Proficient	Proficient	Advanced	Sum
Unsatisfactory	0.1464	0.0368	0.0014	0.0000	0.1846
Partially Proficient	0.0400	0.1262	0.0589	0.0000	0.2251
Proficient	0.0013	0.0579	0.3920	0.0376	0.4888
Advanced	0.0000	0.0000	0.0342	0.0673	0.1015
Sum	0.1877	0.2208	0.4865	0.1049	1.0000
Observed Score Dist.	0.1833	0.2234	0.5060	0.0872	

Indexes for Classification Consistency and Classification Accuracy

	Cut 1	Cut 2	Cut 3	All Cuts
Classification Agreement (P)	0.9205	0.8806	0.9281	0.7319
Chance Probability (P_c)	0.6970	0.5165	0.8149	0.3328
Kappa	0.7376	0.7530	0.6119	0.5982
Classification Accuracy	0.9436	0.9173	0.9529	0.8140

Table 279. Classification Consistency and Classification Accuracy for Spanish Reading Grade 4

Contingency Table with All Cut Scores

	Unsatisfactory	Partially Proficient	Proficient	Advanced	Sum
Unsatisfactory	0.2770	0.0531	0.0001	0.0000	0.3302
Partially Proficient	0.0549	0.1962	0.0459	0.0000	0.2970
Proficient	0.0007	0.0470	0.2585	0.0153	0.3214
Advanced	0.0000	0.0000	0.0155	0.0359	0.0514
Sum	0.3326	0.2963	0.3200	0.0511	1.0000
Observed Score Dist.	0.3371	0.3030	0.3106	0.0492	

Indexes for Classification Consistency and Classification Accuracy

	Cut 1	Cut 2	Cut 3	All Cuts
Classification Agreement (P)	0.8912	0.9063	0.9692	0.7676
Chance Probability (P_c)	0.5569	0.5328	0.9028	0.3033
Kappa	0.7546	0.7994	0.6837	0.6664
Classification Accuracy	0.9261	0.9336	0.9775	0.8374

Table 280. Classification Consistency and Classification Accuracy for Spanish Writing Grade 3

Contingency Table with All Cut Scores

	Unsatisfactory	Partially Proficient	Proficient	Advanced	Sum
Unsatisfactory	0.1512	0.0380	0.0007	0.0000	0.1900
Partially Proficient	0.0394	0.1710	0.0600	0.0007	0.2710
Proficient	0.0010	0.0585	0.2749	0.0438	0.3783
Advanced	0.0000	0.0005	0.0462	0.1141	0.1607
Sum	0.1916	0.2680	0.3818	0.1586	1.0000
Observed Score Dist.	0.1831	0.2769	0.3948	0.1451	

Indexes for Classification Consistency and Classification Accuracy

	Cut 1	Cut 2	Cut 3	All Cuts
Classification Agreement (P)	0.9209	0.8787	0.9089	0.7112
Chance Probability (P_c)	0.6912	0.5032	0.7316	0.2790
Kappa	0.7438	0.7558	0.6604	0.5995
Classification Accuracy	0.9419	0.9147	0.9383	0.7950

Table 281. Classification Consistency and Classification Accuracy for Spanish Writing Grade 4

Contingency Table with All Cut Scores

	Unsatisfactory	Partially Proficient	Proficient	Advanced	Sum
Unsatisfactory	0.2432	0.0773	0.0011	0.0000	0.3216
Partially Proficient	0.0705	0.2557	0.0537	0.0000	0.3798
Proficient	0.0013	0.0567	0.2091	0.0096	0.2766
Advanced	0.0000	0.0000	0.0092	0.0127	0.0219
Sum	0.3149	0.3897	0.2731	0.0223	1.0000
Observed Score Dist.	0.3068	0.4015	0.2765	0.0152	

Indexes for Classification Consistency and Classification Accuracy

	Cut 1	Cut 2	Cut 3	All Cuts
Classification Agreement (P)	0.8498	0.8873	0.9812	0.7206
Chance Probability (P_c)	0.5660	0.5825	0.9568	0.3253
Kappa	0.6539	0.7300	0.5645	0.5859
Classification Accuracy	0.9010	0.9248	0.9873	0.8131

Table 282. Mean and Median Scale Scores by Year for Writing Subcontent Areas: Paragraph Writing and Extended Writing

			Paragraph Writing (SA5)			Extended Writing (SA6)			Combine SA5 and SA6		
Grade	Year	N	Mean	Median	SD	Mean	Median	SD	Mean	Median	SD
4	2002	55488	489.1	491	72.8	504.3	486	99.3	487.6	485	60.3
4	2003	55108	486.0	479	73.5	497.4	479	91.7	486.4	486	64.7
4	2004	54546	492.4	490	65.9	516.7	505	107.6	491.9	489	59.5
4	2005	54339	493.9	486	74.3	504.1	516	98.6	490.3	488	64.8
4	2006	55640	485.6	488	66.1	509.8	495	109.6	485.9	484	60.3
4	2007	56278	487.0	481	64.5	494.1	479	87.8	484.7	482	58.9
5	2002	56398	503.1	503	66.0	517.8	503	105.8	501.5	501	60.4
5	2003	56822	502.6	504	72.3	530.6	500	121.1	503.6	503	65.3
5	2004	55946	505.1	500	73.5	525.4	508	107.7	506.5	505	66.4
5	2005	55191	512.4	509	70.5	542.6	525	130.2	510.1	506	65.5
5	2006	55800	513.2	511	72.7	533.2	484	114.2	513.5	511	69.4
5	2007	56704	508.9	507	65.9	530.5	538	112.9	508.4	506	62.4
6	2002	55632	518.3	518	76.1	527.9	529	95.2	518.2	518	68.4
6	2003	56674	521.0	521	71.2	548.7	524	123.8	522.5	523	67.5
6	2004	56744	522.7	522	73.7	558.8	547	134.6	524.2	521	70.1
6	2005	56200	531.8	527	82.8	535.7	496	106.2	529.3	528	74.0
6	2006	56097	530.6	526	82.9	541.6	490	116.2	529.0	526	76.5
6	2007	56380	529.7	527	80.0	539.4	600	104.0	528.9	528	74.6
7	2002	54338	543.5	541	79.8	557.7	542	106.0	543.3	541	70.3
7	2003	56609	544.3	546	78.9	580.0	554	141.4	546.9	548	73.9
7	2004	57016	546.1	543	94.4	574.4	557	147.7	545.1	542	85.5
7	2005	57201	550.7	546	90.2	552.3	503	113.6	547.7	545	82.7
7	2006	57323	550.3	548	91.5	576.9	577	145.3	549.6	549	83.8
7	2007	56769	560.8	555	88.8	573.2	648	105.0	559.6	556	82.5
8	2002	53466	553.9	551	85.9	585.9	586	124.3	557.5	557	76.0
8	2003	54894	555.0	556	82.4	589.7	592	136.5	557.8	558	79.4
8	2004	56410	556.1	555	90.1	575.5	583	142.1	553.9	553	84.4
8	2005	56821	558.9	557	87.4	572.1	558	127.7	558.0	555	82.1
8	2006	58095	560.1	558	87.6	556.5	552	125.0	556.2	556	83.1
8	2007	57631	563.3	559	94.0	577.3	601	119.5	561.5	556	86.6
9	2002	52972	563.1	563	92.0	580.6	637	121.7	564.1	564	87.2
9	2003	55540	572.1	570	98.0	610.8	593	157.0	572.9	569	90.9
9	2004	56588	571.2	569	94.8	580.1	545	94.6	571.6	572	79.7
9	2005	57703	569.2	569	96.1	576.3	524	104.9	567.9	564	84.8
9	2006	58795	569.5	570	96.1	568.4	536	105.2	566.8	561	88.0
9	2007	59521	569.2	564	97.3	579.8	635	124.1	567.0	563	89.1
10	2002	49009	586.8	588	96.7	606.0	580	138.4	585.9	585	88.8
10	2003	49658	591.0	583	107.6	640.6	590	185.8	588.7	583	100.0
10	2004	50756	584.0	577	96.7	588.0	537	117.2	580.6	578	84.8
10	2005	51638	579.8	576	97.5	582.0	529	111.0	577.7	575	88.2
10	2006	53754	583.6	581	101.2	586.4	523	112.1	580.8	578	91.1
10	2007	54683	585.6	579	104.9	594.3	649	123.2	583.2	583	94.0