

LIST OF TABLES

Table 1.1 The 2007 MSA-Reading Responsibility for Test Development.....	6
Table 1.2 The 2007 MSA-Reading Test Structure: Grades 3 through 8	8
Table 1.3 The 2007 MSA-Reading Test Design: Grades 3, 5, and 8	10
Table 1.4 The 2007 MSA-Reading Test Design: Grades 4, 6, and 7	11
Table 1.5 The 2007 MSA-Reading Item Distribution of Each Strand: Grades 3 and 8	12
Table 1.6 The 2007 MSA-Reading Item Distribution of Each Strand: Grade 5	12
Table 1.7 The 2007 MSA-Reading Item Distribution of Each Strand: Grades 4, 6, and 7	12
Table 1.8 The 2007 MSA-Reading Total and Strand Scores: Grades 3 and 8	13
Table 1.9 The 2007 MSA-Reading Total and Strand Scores: Grade 5	13
Table 1.10 The 2007 MSA-Reading Total and Strand Scores: Grade 4, 6, and 7	13
Table 1.11 Descriptive Statistics for the 2007 MSA-Reading Common Items	29
Table 1.12 Common Item P-Value Comparison for Year 2006 vs. Year 2007: Grade 3	30
Table 1.13 Common Item P-Value Comparison for Year 2006 vs. Year 2007: Grade 4	31
Table 1.14 Common Item P-Value Comparison for Year 2006 vs. Year 2007: Grade 5	32
Table 1.15 Common Item P-Value Comparison for Year 2006 vs. Year 2007: Grade 6	33
Table 1.16 Common Item P-Value Comparison for Year 2006 vs. Year 2007: Grade 7	34
Table 1.17 Common Item P-Value Comparison for Year 2006 vs. Year 2007: Grade 8	35
Table 1.18 Form Identification for Items Appearing Year 2004 and Year 2007	37
Table 1.19 Augmented Item P-Value Comparison for Year 2005 vs. Year 2007: Grade 3 Form A	38
Table 1.20 BCR Item Score-Point Distribution for Year 2005 vs. Year 2007: Grade 3 Form A	38
Table 1.21 Augmented IRT Item Diffiucly Comparison for Year 2005 vs. Year 2007: Grade 3 Form A	39
Table 1.22 Augmented Item P-Value Comparison for Year 2005 vs. Year 2007: Grade 3 Form B.....	40
Table 1.23 BCR Item Score-Point Distribution for Year 2005 vs. Year 2007: Grade 3 Form B.....	40
Table 1.24 Augmented IRT Item Diffiucly Comparison for Year 2005 vs. Year 2007: Grade 3 Form B.....	41
Table 1.25 Augmented Item P-Value Comparison for Year 2005 vs. Year 2007: Grade 4 Form A	42
Table 1.26 BCR Item Score-Point Distribution for Year 2005 vs. Year 2007: Grade 4 Form A	42
Table 1.27 Augmented IRT Item Diffiucly Comparison for Year 2005 vs. Year 2007: Grade 4 Form A	43
Table 1.28 Augmented Item P-Value Comparison for Year 2005 vs. Year 2007: Grade 4 Form B.....	44
Table 1.29 BCR Item Score-Point Distribution for Year 2005 vs. Year 2007: Grade 4 Form B.....	44
Table 1.30 Augmented IRT Item Diffiucly Comparison for Year 2005 vs. Year 2007: Grade 4 Form B.....	45
Table 1.31 Augmented Item P-Value Comparison for Year 2005 vs. Year 2007: Grade 5 Form A	46

Table 1.32 BCR Item Score-Point Distribution for Year 2005 vs. Year 2007: Grade 5 Form A	46
Table 1.33 Augmented IRT Item Diffiucly Comparison for Year 2005 vs. Year 2007: Grade 5 Form A	47
Table 1.34 Augmented Item P-Value Comparison for Year 2005 vs. Year 2007: Grade 5 Form B	48
Table 1.35 BCR Item Score-Point Distribution for Year 2005 vs. Year 2007: Grade 5 Form B	48
Table 1.36 Augmented IRT Item Diffiucly Comparison for Year 2005 vs. Year 2007: Grade 5 Form B	49
Table 1.37 Augmented Item P-Value Comparison for Year 2005 vs. Year 2007: Grade 6 Form A	50
Table 1.38 BCR Item Score-Point Distribution for Year 2005 vs. Year 2007: Grade 6 Form A	50
Table 1.39 Augmented IRT Item Diffiucly Comparison for Year 2005 vs. Year 2007: Grade 6 Form A	51
Table 1.40 Augmented Item P-Value Comparison for Year 2005 vs. Year 2007: Grade 6 Form B	52
Table 1.41 BCR Item Score-Point Distribution for Year 2005 vs. Year 2007: Grade 6 Form B	52
Table 1.42 Augmented IRT Item Diffiucly Comparison for Year 2005 vs. Year 2007: Grade 6 Form B	53
Table 1.43 Augmented Item P-Value Comparison for Year 2005 vs. Year 2007: Grade 7 Form A	54
Table 1.44 BCR Item Score-Point Distribution for Year 2005 vs. Year 2007: Grade 7 Form A	54
Table 1.45 Augmented IRT Item Diffiucly Comparison for Year 2005 vs. Year 2007: Grade 7 Form A	55
Table 1.46 Augmented Item P-Value Comparison for Year 2005 vs. Year 2007: Grade 7 Form B	56
Table 1.47 BCR Item Score-Point Distribution for Year 2005 vs. Year 2007: Grade 7 Form B	56
Table 1.48 Augmented IRT Item Diffiucly Comparison for Year 2005 vs. Year 2007: Grade 7 Form B	57
Table 1.49 Augmented Item P-Value Comparison for Year 2005 vs. Year 2007: Grade 8 Form A	58
Table 1.50 BCR Item Score-Point Distribution for Year 2005 vs. Year 2007: Grade 8 Form A	58
Table 1.51 Augmented IRT Item Diffiucly Comparison for Year 2005 vs. Year 2007: Grade 8 Form A	59
Table 1.52 Augmented Item P-Value Comparison for Year 2005 vs. Year 2007: Grade 8 Form B	60
Table 1.53 BCR Item Score-Point Distribution for Year 2004 vs. Year 2007: Grade 8 Form B	60
Table 1.54 Augmented IRT Item Diffiucly Comparison for Year 2005 vs. Year 2007: Grade 8 Form B	61

Table 1.55 Grade3 Form A Construction Using IRT Method	66
Table 1.56 Common Linking Item Difficulties of Year 2003 vs. Year 2007: Grade 3	70
Table 1.57 Common Linking Item Difficulties of Year 2004 vs. Year 2007: Grade 4	74
Table 1.58 Common Linking Item Difficulties of Year 2003 vs. Year 2007: Grade 5	78
Table 1.59 Common Linking Item Difficulties of Year 2004 vs. Year 2007: Grade 6	82
Table 1.60 Common Linking Item Difficulties of Year 2004 vs. Year 2007: Grade 7	86
Table 1.61 Common Linking Item Difficulties of Year 2003 vs. Year 2007: Grade 8	90
Table 1.62 The 2007 MSA-Reading Slope and Intercept: Grades 3 through 8	93
Table 1.63 The 2007 MSA-Reading Eigenvalues between the First and Second Components: Grades 3 through 8	98
Table 2.1 The 2007 MSA-Reading Cut Scores: Grades 3 through 8	103
Table 2.2 The 2007 MSA-Reading Pass Rates: Grades 3 through 8	103
Table 3.1 Criteria to Evaluate Mean-Square Fit Statistics	107
Table 3.2 $2 \times T$ Contingency Table at the k^{th} Level	109
Table 3.3 <i>DIF</i> Classification for BCR Items	111
Table 3.4 <i>DIF</i> Classification for SR Items	112
Table 4.1 The 2007 MSA-Reading Classical Descriptive Statistics: Grades 3 through 8	118
Table 4.2 The 2007 MSA-Reading Scale Score Descriptive Statistics: Grades 3 through 8 ...	119
Table 4.3 The 2007 MSA-Reading Strand Correlations: Grade 3	120
Table 4.4 The 2007 MSA-Reading Strand Correlations: Grade 4	120
Table 4.5 The 2007 MSA-Reading Strand Correlations: Grade 5	120
Table 4.6 The 2007 MSA-Reading Strand Correlations: Grade 6	121
Table 4.7 The 2007 MSA-Reading Strand Correlations: Grade 7	121
Table 4.8 The 2007 MSA-Reading Strand Correlations: Grade 8	121
Table 4.9 The 2007 MSA-Reading Decision Accuracy and Consistency Indices: Grade 3	122
Table 4.10 The 2007 MSA-Reading Decision Accuracy and Consistency Indices: Grade 4	122
Table 4.11 The 2007 MSA-Reading Decision Accuracy and Consistency Indices: Grade 5	122
Table 4.12 The 2007 MSA-Reading Decision Accuracy and Consistency Indices: Grade 6	123
Table 4.13 The 2007 MSA-Reading Decision Accuracy and Consistency Indices: Grade 7	123
Table 4.14 The 2007 MSA-Reading Decision Accuracy and Consistency Indices: Grade 8	123
Table 4.15 The 2007 MSA-Reading Total Raw Score to Scale Score Conversion Table: Grade 3 Form A	124
Table 4.16 The 2007 MSA-Reading Total Raw Score to Scale Score Conversion Table: Grade 3 Form B	125
Table 4.17 The 2007 MSA-Reading Subtotal Raw Score to Scale Score Conversion Table: Grade 3 Form A	126
Table 4.18 The 2007 MSA-Reading Subtotal Raw Score to Scale Score Conversion Table: Grade 3 Form B	127
Table 4.19 The 2007 MSA-Reading Total Raw Score to Scale Score Conversion Table for Verbatim Students: Grade 3 Form A	128

Table 4.20 The 2007 MSA-Reading Total Raw Score to Scale Score Conversion Table for Verbatim Students: Grade 3 Form B 129

Table 4.21 The 2007 MSA-Reading Subtotal Raw Score to Scale Score Conversion Table for Verbatim Students: Grade 3 Form A 130

Table 4.22 The 2007 MSA-Reading Subtotal Raw Score to Scale Score Conversion Table for Verbatim Students: Grade 3 Form B 131

Table 4.23 The 2007 MSA-Reading Total Raw Score to Scale Score Conversion Table: Grade 4 Form A 132

Table 4.24 The 2007 MSA-Reading Total Raw Score to Scale Score Conversion Table: Grade 4 Form B..... 133

Table 4.25 The 2007 MSA-Reading Subtotal Raw Score to Scale Score Conversion Table: Grade 4 Form A 134

Table 4.26 The 2007 MSA-Reading Subtotal Raw Score to Scale Score Conversion Table: Grade 4 Form B..... 135

Table 4.27 The 2007 MSA-Reading Total Raw Score to Scale Score Conversion Table for Verbatim Students: Grade 4 Form A 136

Table 4.28 The 2007 MSA-Reading Total Raw Score to Scale Score Conversion Table for Verbatim Students: Grade 4 Form B 137

Table 4.29 The 2007 MSA-Reading Subtotal Raw Score to Scale Score Conversion Table for Verbatim Students: Grade 4 Form A 138

Table 4.30 The 2007 MSA-Reading Subtotal Raw Score to Scale Score Conversion Table for Verbatim Students: Grade 4 Form B 139

Table 4.31 The 2007 MSA-Reading Total Raw Score to Scale Score Conversion Table: Grade 5 Form A 140

Table 4.32 The 2007 MSA-Reading Total Raw Score to Scale Score Conversion Table: Grade 5 Form B..... 141

Table 4.33 The 2007 MSA-Reading Subtotal Raw Score to Scale Score Conversion Table: Grade 5 Form A 142

Table 4.34 The 2007 MSA-Reading Subtotal Raw Score to Scale Score Conversion Table: Grade 5 Form B..... 143

Table 4.35 The 2007 MSA-Reading Total Raw Score to Scale Score Conversion Table: Grade 6 Form A 144

Table 4.36 The 2007 MSA-Reading Total Raw Score to Scale Score Conversion Table: Grade 6 Form B..... 145

Table 4.37 The 2007 MSA-Reading Subtotal Raw Score to Scale Score Conversion Table: Grade 6 Form A 146

Table 4.38 The 2007 MSA-Reading Subtotal Raw Score to Scale Score Conversion Table: Grade 6 Form B..... 147

Table 4.39 The 2007 MSA-Reading Total Raw Score to Scale Score Conversion Table: Grade 7 Form A 148

Table 4.40 The 2007 MSA-Reading Total Raw Score to Scale Score Conversion Table: Grade 7 Form B..... 149

Table 4.41 The 2007 MSA-Reading Subtotal Raw Score to Scale Score Conversion Table: Grade 7 Form A 150

Table 4.42 The 2007 MSA-Reading Subtotal Raw Score to Scale Score Conversion Table: Grade 7 Form B..... 151

Table 4.43 The 2007 MSA-Reading Total Raw Score to Scale Score Conversion Table: Grade 8 Form A.....	152
Table 4.44 The 2007 MSA-Reading Total Raw Score to Scale Score Conversion Table: Grade 8 Form B.....	153
Table 4.45 The 2007 MSA-Reading Subtotal Raw Score to Scale Score Conversion Table: Grade 8 Form A.....	154
Table 4.46 The 2007 MSA-Reading Subtotal Raw Score to Scale Score Conversion Table: Grade 8 Form B.....	155
Table 4.47 The 2007 MSA-Reading Score Difference between Rater 1 and Rater 2: Grade 3.....	156
Table 4.48 The 2007 MSA-Reading Score Difference between Rater 1 and Rater 2: Grade 4.....	156
Table 4.49 The 2007 MSA-Reading Score Difference between Rater 1 and Rater 2: Grade 5.....	156
Table 4.50 The 2007 MSA-Reading Score Difference between Rater 1 and Rater 2: Grade 6.....	157
Table 4.51 The 2007 MSA-Reading Score Difference between Rater 1 and Rater 2: Grade 7.....	157
Table 4.52 The 2007 MSA-Reading Score Difference between Rater 1 and Rater 2: Grade 8.....	157
Table A.1 The 2007 MSA-Reading Population and Stratified Random Sampling: Grade 3 LEA.....	162
Table A.2 The 2007 MSA-Reading Population and Stratified Random Sampling: Grade 3 Ethnicity.....	163
Table A.3 The 2007 MSA-Reading Population and Stratified Random Sampling: Grade 3 Gender.....	163
Table A.4 The 2007 MSA-Reading Population and Stratified Random Sampling: Grade 4 LEA.....	164
Table A.5 The 2007 MSA-Reading Population and Stratified Random Sampling: Grade 4 Ethnicity.....	165
Table A.6 The 2007 MSA-Reading Population and Stratified Random Sampling: Grade 4 Gender.....	165
Table A.7 The 2007 MSA-Reading Population and Stratified Random Sampling: Grade 5 LEA.....	166
Table A.8 The 2007 MSA-Reading Population and Stratified Random Sampling: Grade 5 Ethnicity.....	167
Table A.9 The 2007 MSA-Reading Population and Stratified Random Sampling: Grade 5 Gender.....	167
Table A.10 The 2007 MSA-Reading Population and Stratified Random Sampling: Grade 6 LEA.....	168
Table A.11 The 2007 MSA-Reading Population and Stratified Random Sampling: Grade 6 Ethnicity.....	169
Table A.12 The 2007 MSA-Reading Population and Stratified Random Sampling: Grade 6 Gender.....	169
Table A.13 The 2007 MSA-Reading Population and Stratified Random Sampling: Grade 7 LEA.....	170

Table A.14 The 2007 MSA-Reading Population and Stratified Random Sampling: Grade 7 Ethnicity.....	171
Table A.15 The 2007 MSA-Reading Population and Stratified Random Sampling: Grade 7 Gender.....	171
Table A.16 The 2007 MSA-Reading Population and Stratified Random Sampling: Grade 8 LEA.....	172
Table A.17 The 2007 MSA-Reading Population and Stratified Random Sampling: Grade 8 Ethnicity.....	173
Table A.18 The 2007 MSA-Reading Population and Stratified Random Sampling: Grade 8 Gender.....	173
Table C.1 The 2007 MSA-Reading Classical and <i>IRT</i> Item Parameters: Grade 3 Form A	214
Table C.2 The 2007 MSA-Reading Classical and <i>IRT</i> Item Parameters: Grade 3 Form B.....	215
Table C.3 The 2007 MSA-Reading Classical and <i>IRT</i> Item Parameters: Grade 4 Form A	216
Table C.4 The 2007 MSA-Reading Classical and <i>IRT</i> Item Parameters: Grade 4 Form B.....	217
Table C.5 The 2007 MSA-Reading Classical and <i>IRT</i> Item Parameters: Grade 5 Form A	218
Table C.6 The 2007 MSA-Reading Classical and <i>IRT</i> Item Parameters: Grade 5 Form B.....	219
Table C.7 The 2007 MSA-Reading Classical and <i>IRT</i> Item Parameters: Grade 6 Form A	220
Table C.8 The 2007 MSA-Reading Classical and <i>IRT</i> Item Parameters: Grade 6 Form B.....	221
Table C.9 The 2007 MSA-Reading Classical and <i>IRT</i> Item Parameters: Grade 7 Form A	222
Table C.10 The 2007 MSA-Reading Classical and <i>IRT</i> Item Parameters: Grade 7 Form B.....	223
Table C.11 The 2007 MSA-Reading Classical and <i>IRT</i> Item Parameters: Grade 8 Form A	224
Table B.12 The 2007 MSA-Reading Classical and <i>IRT</i> Item Parameters: Grade 8 Form B.....	225
Table D.1 The 2007 MSA-Reading Blueprint: Grade 3.....	228
Table D.2 The 2007 MSA-Reading Blueprint: Grade 4.....	240
Table D.3 The 2007 MSA-Reading Blueprint: Grade 5.....	252
Table D.4 The 2007 MSA-Reading Blueprint: Grade 6.....	264
Table D.5 The 2007 MSA-Reading Blueprint: Grade 7.....	276
Table D.6 The 2007 MSA-Reading Blueprint: Grade 8.....	288