

4. THE 2007 MSA-READING STATISTICAL SUMMARY

Table 4.1 The 2007 MSA-Reading Classical Descriptive Statistics: Grades 3 through 8

Grade	Form	No. of Items	<i>N</i>	<i>M</i>	<i>SD</i>	Reliability	<i>SEM</i>
3	A	37	29,732	28.44	7.74	0.89	2.56
	B	37	29,675	29.42	7.51	0.88	2.64
4	A	37	30,174	30.59	6.18	0.86	2.34
	B	37	29,955	30.78	6.53	0.87	2.37
5	A	37	30,883	27.75	6.79	0.86	2.54
	B	37	30,693	28.51	7.04	0.87	2.55
6	A	37	31,339	28.67	7.57	0.89	2.48
	B	37	31,128	27.57	7.52	0.88	2.61
7	A	37	32,114	28.56	7.66	0.89	2.57
	B	37	31,846	28.31	7.48	0.88	2.55
8	A	37	32,609	28.11	7.30	0.86	2.76
	B	37	32,452	28.84	6.95	0.83	2.85

Note. Analyses were conducted with a whole population.

Table 4.2 The 2007 MSA-Reading Scale Score Descriptive Statistics: Grades 3 through 8

Grade	Form	N	M	SD	P10	Q1	Mdn	Q3	P90	IQR	SEM at Cut-Points	
											Prof.	Adv.
3	A	29,732	418.9	45.1	360	389	419	452	478	63	11	16
	B	29,675	417.8	39.6	364	391	419	444	471	53	11	15
	Overall	59,407	418.4	42.4	364	389	419	446	471	57	N/A	N/A
4	A	30,174	405.3	41.5	347	382	412	432	449	50	12	17
	B	29,955	407.9	44.2	347	382	412	439	459	57	12	17
	Overall	60,129	406.6	42.9	347	382	412	432	459	50	N/A	N/A
5	A	30,883	411.2	35.2	366	386	408	434	455	48	12	13
	B	30,693	411.6	36.7	368	387	409	435	458	48	11	13
	Overall	61,576	411.4	36.0	366	386	409	434	458	48	N/A	N/A
6	A	31,339	405.7	36.4	360	382	407	432	454	50	11	13
	B	31,128	404.7	32.2	363	381	407	425	448	44	10	12
	Overall	62,467	405.2	34.4	360	382	407	430	448	48	N/A	N/A
7	A	32,114	404.9	37.9	358	378	406	432	455	54	11	14
	B	31,846	405.7	37.6	360	379	404	429	458	50	11	13
	Overall	63,960	405.3	37.7	358	379	404	429	455	50	N/A	N/A
8	A	32,609	405.7	33.5	365	383	406	428	446	45	11	12
	B	32,452	405.4	29.3	368	389	407	424	441	35	10	12
	Overall	65,061	405.5	31.5	368	385	406	424	446	39	N/A	N/A

Note. Analyses were conducted with a whole population.

Table 4.3 The 2007 MSA-Reading Strand Correlations: Grade 3

Form	<i>N</i>	1	2	3
Form A				
1. General Reading	29,732	1.00		
2. Literary Reading	29,732	0.67	1.00	
3. Information Reading	29,732	0.69	0.72	1.00
Form B				
1. General Reading	29,675	1.00		
2. Literary Reading	29,675	0.67	1.00	
3. Information Reading	29,675	0.65	0.67	1.00

Note. Analyses were conducted with a whole population.

Table 4.4 The 2007 MSA-Reading Strand Correlations: Grade 4

Form	<i>N</i>	1	2	3
Form A				
1. General Reading	30,174	1.00		
2. Literary Reading	30,174	0.62	1.00	
3. Information Reading	30,174	0.65	0.62	1.00
Form B				
1. General Reading	29,955	1.00		
2. Literary Reading	29,955	0.67	1.00	
3. Information Reading	29,955	0.65	0.66	1.00

Note. Analyses were conducted with a whole population.

Table 4.5 The 2007 MSA-Reading Strand Correlations: Grade 5

Form	<i>N</i>	1	2	3
Form A				
1. General Reading	30,883	1.00		
2. Literary Reading	30,883	0.67	1.00	
3. Information Reading	30,883	0.63	0.64	1.00
Form B				
1. General Reading	30,693	1.00		
2. Literary Reading	30,693	0.69	1.00	
3. Information Reading	30,693	0.64	0.67	1.00

Note. Analyses were conducted with a whole population.

Table 4.6 The 2007 MSA-Reading Strand Correlations: Grade 6

Form	<i>N</i>	1	2	3
Form A				
1. General Reading	31,339	1.00		
2. Literary Reading	31,339	0.71	1.00	
3. Information Reading	31,339	0.69	0.68	1.00
Form B				
1. General Reading	31,128	1.00		
2. Literary Reading	31,128	0.72	1.00	
3. Information Reading	31,128	0.68	0.67	1.00

Note. Analyses were conducted with a whole population.

Table 4.7 The 2007 MSA-Reading Strand Correlations: Grade 7

Form	<i>N</i>	1	2	3
Form A				
1. General Reading	32,114	1.00		
2. Literary Reading	32,114	0.70	1.00	
3. Information Reading	32,114	0.69	0.70	1.00
Form B				
1. General Reading	31,846	1.00		
2. Literary Reading	31,846	0.70	1.00	
3. Information Reading	31,846	0.67	0.70	1.00

Note. Analyses were conducted with a whole population

Table 4.8 The 2007 MSA-Reading Strand Correlations: Grade 8

Form	<i>N</i>	1	2	3
Form A				
1. General Reading	32,609	1.00		
2. Literary Reading	32,609	0.63	1.00	
3. Information Reading	32,609	0.66	0.69	1.00
Form B				
1. General Reading	32,452	1.00		
2. Literary Reading	32,452	0.61	1.00	
3. Information Reading	32,452	0.62	0.64	1.00

Note. Analyses were conducted with a whole population

Table 4.9 The 2007 MSA-Reading Decision Accuracy and Consistency Indices: Grade 3

Form	Performance Cut	Accuracy	False Positive	False Negative	Consistency
A	<i>B : PA</i>	0.92	0.03	0.05	0.88
	<i>BP : A</i>	0.93	0.05	0.03	0.90
B	<i>B : PA</i>	0.91	0.04	0.05	0.88
	<i>BP : A</i>	0.92	0.04	0.03	0.89

Note. B:PA denotes the cut between Basic and Proficient, while BP:A denotes the cut between Proficient and Advanced.

Table 4.10 The 2007 MSA-Reading Decision Accuracy and Consistency Indices: Grade 4

Form	Performance Cut	Accuracy	False Positive	False Negative	Consistency
A	<i>B : PA</i>	0.92	0.03	0.05	0.89
	<i>BP : A</i>	0.89	0.07	0.04	0.85
B	<i>B : PA</i>	0.93	0.03	0.04	0.89
	<i>BP : A</i>	0.90	0.06	0.04	0.86

Note. B:PA denotes the cut between Basic and Proficient, while BP:A denotes the cut between Proficient and Advanced.

Table 4.11 The 2007 MSA-Reading Decision Accuracy and Consistency Indices: Grade 5

Form	Performance Cut	Accuracy	False Positive	False Negative	Consistency
A	<i>B : PA</i>	0.90	0.04	0.06	0.86
	<i>BP : A</i>	0.89	0.06	0.05	0.85
B	<i>B : PA</i>	0.90	0.04	0.05	0.87
	<i>BP : A</i>	0.90	0.06	0.05	0.86

Note. B:PA denotes the cut between Basic and Proficient, while BP:A denotes the cut between Proficient and Advanced.

Table 4.12 The 2007 MSA-Reading Decision Accuracy and Consistency Indices: Grade 6

Form	Performance Cut	Accuracy	False Positive	False Negative	Consistency
A	<i>B : PA</i>	0.91	0.04	0.05	0.88
	<i>BP : A</i>	0.91	0.05	0.04	0.87
B	<i>B : PA</i>	0.91	0.04	0.06	0.87
	<i>BP : A</i>	0.90	0.06	0.04	0.86

Note. B:PA denotes the cut between Basic and Proficient, while BP:A denotes the cut between Proficient and Advanced.

Table 4.13 The 2007 MSA-Reading Decision Accuracy and Consistency Indices: Grade 7

Form	Performance Cut	Accuracy	False Positive	False Negative	Consistency
A	<i>B : PA</i>	0.90	0.05	0.06	0.86
	<i>BP : A</i>	0.91	0.05	0.04	0.88
B	<i>B : PA</i>	0.90	0.04	0.06	0.86
	<i>BP : A</i>	0.91	0.05	0.04	0.88

Note. B:PA denotes the cut between Basic and Proficient, while BP:A denotes the cut between Proficient and Advanced.

Table 4.14 The 2007 MSA-Reading Decision Accuracy and Consistency Indices: Grade 8

Form	Performance Cut	Accuracy	False Positive	False Negative	Consistency
A	<i>B : PA</i>	0.89	0.05	0.06	0.84
	<i>BP : A</i>	0.90	0.06	0.04	0.86
B	<i>B : PA</i>	0.88	0.05	0.07	0.83
	<i>BP : A</i>	0.89	0.07	0.04	0.85

Note. B:PA denotes the cut between Basic and Proficient, while BP:A denotes the cut between Proficient and Advanced.

Table 4.15 The 2007 MSA-Reading Total Raw Score to Scale Score Conversion Table: Grade 3 Form A

Form A				
Raw Score	Scale Score (SS)	Standard Error (SEM)	SS - 1SEM	SS + 1SEM
0	240 ^a	47	240 ^a	287
1	240 ^a	34	240 ^a	274
2	264	25	240 ^a	289
3	280	21	259	301
4	292	19	273	311
5	302	17	285	319
6	311	16	295	327
7	318	15	303	333
8	325	14	311	339
9	331	14	317	345
10	336	13	323	349
11	342	13	329	355
12	347	13	334	360
13	351	12	339	363
14	356	12	344	368
15	360	12	348	372
16	365	12	353	377
17	369	12	357	381
18	373	12	361	385
19	377	11	366	388
20	381	11	370	392
21	385	11	374	396
22	389	11	378	400
23	393	11	382	404
24	397	12	385	409
25	401	12	389	413
26	406	12	394	418
27	410	12	398	422
28	414	12	402	426
29	419	12	407	431
30	424	13	411	437
31	429	13	416	442
32	434	13	421	447
33	440	14	426	454
34	446	14	432	460
35	452	15	437	467
36	460	16	444	476
37	468	17	451	485
38	478	19	459	497
39	490	20	470	510
40	504	23	481	527
41	522	25	497	547
42	543	27	516	570
43	569	30	539	599
44	602	37	565	639
45	630	49	581	650 ^b

Note. ^aLOSS was set to 240. ^bHOSS was set to 650.

Table 4.16 The 2007 MSA-Reading Total Raw Score to Scale Score Conversion Table: Grade 3 Form B

Form B				
Raw Score	Scale Score (SS)	Standard Error (SEM)	SS – 1SEM	SS + 1SEM
0	240 ^a	46	240 ^a	286
1	247	33	240 ^a	280
2	271	24	247	295
3	286	20	266	306
4	297	18	279	315
5	306	16	290	322
6	314	15	299	329
7	321	14	307	335
8	327	14	313	341
9	333	13	320	346
10	338	13	325	351
11	343	12	331	355
12	347	12	335	359
13	352	12	340	364
14	356	12	344	368
15	360	11	349	371
16	364	11	353	375
17	368	11	357	379
18	372	11	361	383
19	376	11	365	387
20	379	11	368	390
21	383	11	372	394
22	387	11	376	398
23	391	11	380	402
24	394	11	383	405
25	398	11	387	409
26	402	11	391	413
27	406	11	395	417
28	410	12	398	422
29	414	12	402	426
30	419	12	407	431
31	423	12	411	435
32	428	12	416	440
33	433	13	420	446
34	438	13	425	451
35	444	14	430	458
36	450	14	436	464
37	456	15	441	471
38	463	16	447	479
39	471	17	454	488
40	480	18	462	498
41	491	19	472	510
42	504	22	482	526
43	520	25	495	545
44	547	34	513	581
45	571	47	524	618

Note. ^aLOSS was set to 240.

Table 4.17 The 2007 MSA-Reading Subtotal Raw Score to Scale Score Conversion Table: Grade 3 Form A

Strand	RS	Form A			
		SS	SEM	SS-SEM	SS+SEM
GR	0	250	47	240 ^a	297
GR	1	275	35	240	310
GR	2	302	26	276	328
GR	3	319	22	297	341
GR	4	333	20	313	353
GR	5	345	19	326	364
GR	6	355	18	337	373
GR	7	365	18	347	383
GR	8	375	18	357	393
GR	9	385	18	367	403
GR	10	395	18	377	413
GR	11	406	19	387	425
GR	12	418	21	397	439
GR	13	433	23	410	456
GR	14	451	27	424	478
GR	15	480	35	445	515
GR	16	505	48	457	553
LI	0	240	49	240 ^a	289
LI	1	268	37	240 ^a	305
LI	2	301	29	272	330
LI	3	324	26	298	350
LI	4	343	24	319	367
LI	5	359	22	337	381
LI	6	374	22	352	396
LI	7	388	22	366	410
LI	8	403	22	381	425
LI	9	418	23	395	441
LI	10	437	26	411	463
LI	11	461	31	430	492
LI	12	501	40	461	541
LI	13	557	45	512	602
LI	14	592	54	538	646
IN	0	280	48	240 ^a	328
IN	1	306	36	270	342
IN	2	334	27	307	361
IN	3	354	23	331	377
IN	4	369	21	348	390
IN	5	382	20	362	402
IN	6	395	20	375	415
IN	7	407	20	387	427
IN	8	420	20	400	440
IN	9	433	21	412	454
IN	10	448	23	425	471
IN	11	466	26	440	492
IN	12	490	30	460	520
IN	13	525	37	488	562
IN	14	574	43	531	617
IN	15	608	53	555	650 ^b

Note. ^aLOSS was set to 240. ^bHOSS was set to 650.

Note. GR= General Reading, LI=Literary, IN=Informational

Table 4.18 The 2007 MSA-Reading Subtotal Raw Score to Scale Score Conversion Table: Grade 3 Form B

Strand	RS	Form B			
		SS	SEM	SS-SEM	SS+SEM
GR	0	250	47	240 ^a	297
GR	1	275	35	240	310
GR	2	302	26	276	328
GR	3	319	22	297	341
GR	4	333	20	313	353
GR	5	345	19	326	364
GR	6	355	18	337	373
GR	7	365	18	347	383
GR	8	375	18	357	393
GR	9	385	18	367	403
GR	10	395	18	377	413
GR	11	406	19	387	425
GR	12	418	21	397	439
GR	13	433	23	410	456
GR	14	451	27	424	478
GR	15	480	35	445	515
GR	16	505	48	457	553
LI	0	272	48	240 ^a	320
LI	1	297	35	262	332
LI	2	325	26	299	351
LI	3	343	22	321	365
LI	4	357	21	336	378
LI	5	369	19	350	388
LI	6	381	19	362	400
LI	7	392	19	373	411
LI	8	404	20	384	424
LI	9	417	21	396	438
LI	10	431	23	408	454
LI	11	449	25	424	474
LI	12	471	29	442	500
LI	13	504	37	467	541
LI	14	532	50	482	582
IN	0	265	48	240 ^a	313
IN	1	290	36	254	326
IN	2	320	27	293	347
IN	3	340	24	316	364
IN	4	356	22	334	378
IN	5	371	21	350	392
IN	6	384	20	364	404
IN	7	396	20	376	416
IN	8	408	20	388	428
IN	9	421	20	401	441
IN	10	434	21	413	455
IN	11	449	23	426	472
IN	12	466	25	441	491
IN	13	488	29	459	517
IN	14	521	37	484	558
IN	15	548	49	499	597

Note. ^aLOSS was set to 240.

Note. GR= General Reading, LI=Literary, IN=Informational

Table 4.19 The 2007 MSA-Reading Total Raw Score to Scale Score Conversion Table for Verbatim Students: Grade 3 Form A

Form A				
Raw Score	Scale Score (SS)	Standard Error (SEM)	SS - 1SEM	SS + 1SEM
0	240	48	240 ^a	288
1	256	35	240 ^a	291
2	284	27	257	311
3	303	23	280	326
4	317	20	297	337
5	329	19	310	348
6	339	18	321	357
7	348	17	331	365
8	356	16	340	372
9	364	16	348	380
10	371	15	356	386
11	378	15	363	393
12	385	15	370	400
13	392	15	377	407
14	398	15	383	413
15	405	15	390	420
16	412	15	397	427
17	419	15	404	434
18	427	16	411	443
19	435	16	419	451
20	443	17	426	460
21	453	18	435	471
22	464	20	444	484
23	477	22	455	499
24	494	24	470	518
25	515	27	488	542
26	539	29	510	568
27	566	31	535	597
28	601	38	563	639
29	629	49	580	650 ^b

Note. ^aLOSS was set to 240. ^bHOSS was set to 650.

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

<u>Form B</u>				
Raw Score	Scale Score (SS)	Standard Error (SEM)	SS - 1SEM	SS + 1SEM
0	244	47	240 ^a	291
1	268	34	240 ^a	302
2	294	25	269	319
3	310	21	289	331
4	322	19	303	341
5	333	17	316	350
6	341	16	325	357
7	349	16	333	365
8	357	15	342	372
9	363	15	348	378
10	370	14	356	384
11	376	14	362	390
12	382	14	368	396
13	388	14	374	402
14	394	14	380	408
15	400	14	386	414
16	406	14	392	420
17	412	14	398	426
18	419	15	404	434
19	426	15	411	441
20	433	16	417	449
21	440	16	424	456
22	449	17	432	466
23	458	18	440	476
24	468	19	449	487
25	480	20	460	500
26	495	23	472	518
27	513	26	487	539
28	541	35	506	576
29	566	48	518	614

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

Form A					
Strand	RS	SS	SEM	SS-SEM	SS+SEM
LI	0	240	49	240 ^a	289
LI	1	268	37	240 ^a	305
LI	2	301	29	272	330
LI	3	324	26	298	350
LI	4	343	24	319	367
LI	5	359	22	337	381
LI	6	374	22	352	396
LI	7	388	22	366	410
LI	8	403	22	381	425
LI	9	418	23	395	441
LI	10	437	26	411	463
LI	11	461	31	430	492
LI	12	501	40	461	541
LI	13	557	45	512	602
LI	14	592	54	538	646
IN	0	280	48	240 ^a	328
IN	1	306	36	270	342
IN	2	334	27	307	361
IN	3	354	23	331	377
IN	4	369	21	348	390
IN	5	382	20	362	402
IN	6	395	20	375	415
IN	7	407	20	387	427
IN	8	420	20	400	440
IN	9	433	21	412	454
IN	10	448	23	425	471
IN	11	466	26	440	492
IN	12	490	30	460	520
IN	13	525	37	488	562
IN	14	574	43	531	617
IN	15	608	53	555	650 ^b

Note. ^aLOSS was set to 240. ^bHOSS was set to 650.

Note. LI=Literary, IN=Informational

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

Form B					
Strand	RS	SS	SEM	SS-SEM	SS+SEM
LI	0	272	48	240 ^a	320
LI	1	297	35	262	332
LI	2	325	26	299	351
LI	3	343	22	321	365
LI	4	357	21	336	378
LI	5	369	19	350	388
LI	6	381	19	362	400
LI	7	392	19	373	411
LI	8	404	20	384	424
LI	9	417	21	396	438
LI	10	431	23	408	454
LI	11	449	25	424	474
LI	12	471	29	442	500
LI	13	504	37	467	541
LI	14	532	50	482	582
IN	0	265	48	240 ^a	313
IN	1	290	36	254	326
IN	2	320	27	293	347
IN	3	340	24	316	364
IN	4	356	22	334	378
IN	5	371	21	350	392
IN	6	384	20	364	404
IN	7	396	20	376	416
IN	8	408	20	388	428
IN	9	421	20	401	441
IN	10	434	21	413	455
IN	11	449	23	426	472
IN	12	466	25	441	491
IN	13	488	29	459	517
IN	14	521	37	484	558
IN	15	548	49	499	597

Note. ^aLOSS was set to 240. ^bHOSS was set to 650.

Note. LI=Literary, IN=Informational

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

Raw Score	Scale Score (SS)	Form A		
		Standard Error (SEM)	SS – 1SEM	SS + 1SEM
0	240 ^a	48	240 ^a	240 ^a
1	240 ^a	35	240 ^a	240 ^a
2	240 ^a	26	240 ^a	254
3	246	22	240 ^a	268
4	259	20	240 ^a	279
5	269	18	251	287
6	279	17	262	296
7	287	16	271	303
8	294	15	279	309
9	300	14	286	314
10	307	14	293	321
11	312	14	298	326
12	318	13	305	331
13	323	13	310	336
14	328	13	315	341
15	333	12	321	345
16	338	12	326	350
17	342	12	330	354
18	347	12	335	359
19	351	12	339	363
20	355	12	343	367
21	360	12	348	372
22	364	12	352	376
23	368	12	356	380
24	373	12	361	385
25	377	12	365	389
26	382	12	370	394
27	386	12	374	398
28	391	13	378	404
29	396	13	383	409
30	401	13	388	414
31	406	13	393	419
32	412	14	398	426
33	418	14	404	432
34	425	15	410	440
35	432	16	416	448
36	440	17	423	457
37	449	18	431	467
38	460	20	440	480
39	474	23	451	497
40	492	26	466	518
41	516	29	487	545
42	544	31	513	575
43	573	32	541	605
44	609	38	571	647
45	638	50	588	650 ^b

Note. ^aLOSS was set to 240. ^bHOSS was set to 650.

Note. GR= General Reading, LI=Literary, IN=Informational

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

Raw Score	Scale Score (SS)	Form B		
		Standard Error (SEM)	SS – 1SEM	SS + 1SEM
0	240 ^a	48	240 ^a	240 ^a
1	240 ^a	35	240 ^a	241
2	240 ^a	26	240 ^a	259
3	250	22	240 ^a	272
4	263	19	244	282
5	273	18	255	291
6	282	16	266	298
7	290	15	275	305
8	297	15	282	312
9	303	14	289	317
10	309	14	295	323
11	314	13	301	327
12	320	13	307	333
13	325	13	312	338
14	329	12	317	341
15	334	12	322	346
16	339	12	327	351
17	343	12	331	355
18	347	12	335	359
19	352	12	340	364
20	356	12	344	368
21	360	12	348	372
22	365	12	353	377
23	369	12	357	381
24	373	12	361	385
25	378	12	366	390
26	382	12	370	394
27	387	12	375	399
28	392	13	379	405
29	396	13	383	409
30	401	13	388	414
31	407	13	394	420
32	412	14	398	426
33	418	14	404	432
34	425	15	410	440
35	432	16	416	448
36	439	17	422	456
37	448	18	430	466
38	459	20	439	479
39	473	23	450	496
40	492	27	465	519
41	519	32	487	551
42	553	34	519	587
43	588	35	553	623
44	629	41	588	650 ^b
45	650 ^b	52	609	650 ^b

Note. ^aLOSS was set to 240. ^bHOSS was set to 650.

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

Strand	RS	Form A			
		SS	SEM	SS-SEM	SS+SEM
GR	0	240	51	240 ^a	291
GR	1	240	38	240 ^a	278
GR	2	261	29	240 ^a	290
GR	3	282	24	258	306
GR	4	298	22	276	320
GR	5	311	20	291	331
GR	6	323	19	304	342
GR	7	334	19	315	353
GR	8	344	19	325	363
GR	9	355	19	336	374
GR	10	366	19	347	385
GR	11	378	20	358	398
GR	12	391	22	369	413
GR	13	408	26	382	434
GR	14	435	35	400	470
GR	15	459	48	411	507
LI	0	240	50	240 ^a	290
LI	1	243	38	240 ^a	281
LI	2	276	30	246	306
LI	3	301	27	274	328
LI	4	321	25	296	346
LI	5	339	24	315	363
LI	6	355	23	332	378
LI	7	370	22	348	392
LI	8	385	22	363	407
LI	9	399	22	377	421
LI	10	415	24	391	439
LI	11	435	27	408	462
LI	12	462	34	428	496
LI	13	515	50	465	565
LI	14	583	45	538	628
LI	15	618	53	565	650 ^b
IN	0	247	49	240 ^a	296
IN	1	274	37	240 ^a	311
IN	2	305	28	277	333
IN	3	326	24	302	350
IN	4	342	22	320	364
IN	5	357	21	336	378
IN	6	370	21	349	391
IN	7	383	21	362	404
IN	8	397	21	376	418
IN	9	412	22	390	434
IN	10	428	24	404	452
IN	11	448	27	421	475
IN	12	474	32	442	506
IN	13	512	38	474	550
IN	14	563	44	519	607
IN	15	598	54	544	650 ^b

Note. ^aLOSS was set to 240. ^bHOSS was set to 650.

Note. GR= General Reading, LI=Literary, IN=Informational

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

Form B					
Strand	RS	SS	SEM	SS-SEM	SS+SEM
GR	0	240	51	240 ^a	291
GR	1	240	38	240 ^a	278
GR	2	261	29	240 ^a	290
GR	3	282	24	258	306
GR	4	298	22	276	320
GR	5	311	20	291	331
GR	6	323	19	304	342
GR	7	334	19	315	353
GR	8	344	19	325	363
GR	9	355	19	336	374
GR	10	366	19	347	385
GR	11	378	20	358	398
GR	12	391	22	369	413
GR	13	408	26	382	434
GR	14	435	35	400	470
GR	15	459	48	411	507
LI	0	240	48	240 ^a	288
LI	1	262	36	240 ^a	298
LI	2	291	28	263	319
LI	3	312	24	288	336
LI	4	329	23	306	352
LI	5	344	22	322	366
LI	6	358	22	336	380
LI	7	373	22	351	395
LI	8	387	22	365	409
LI	9	402	23	379	425
LI	10	419	24	395	443
LI	11	438	27	411	465
LI	12	464	33	431	497
LI	13	507	42	465	549
LI	14	564	44	520	608
LI	15	598	53	545	650 ^b
IN	0	240	50	240 ^a	290
IN	1	268	38	240 ^a	306
IN	2	301	29	272	330
IN	3	323	25	298	348
IN	4	340	23	317	363
IN	5	356	22	334	378
IN	6	370	21	349	391
IN	7	383	21	362	404
IN	8	396	21	375	417
IN	9	410	22	388	432
IN	10	425	23	402	448
IN	11	443	26	417	469
IN	12	470	34	436	504
IN	13	531	57	474	588
IN	14	613	48	565	650 ^b
IN	15	650	55	595	650 ^b

Note. ^aLOSS was set to 240. ^bHOSS was set to 650.

Note. GR= General Reading, LI=Literary, IN=Informational

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

Raw Score	Scale Score (SS)	Form A		
		Standard Error (SEM)	SS - 1SEM	SS + 1SEM
0	240	48	240 ^a	288
1	240	36	240 ^a	276
2	257	27	240 ^a	284
3	276	23	253	299
4	290	21	269	311
5	303	19	284	322
6	314	18	296	332
7	323	17	306	340
8	332	17	315	349
9	341	16	325	357
10	348	16	332	364
11	356	15	341	371
12	363	15	348	378
13	370	15	355	385
14	377	15	362	392
15	384	15	369	399
16	391	15	376	406
17	398	15	383	413
18	406	16	390	422
19	413	16	397	429
20	422	17	405	439
21	431	18	413	449
22	441	19	422	460
23	454	21	433	475
24	469	23	446	492
25	488	27	461	515
26	513	30	483	543
27	542	31	511	573
28	573	32	541	605
29	609	38	571	647
30	637	50	587	650 ^b

Note. ^aLOSS was set to 240. ^bHOSS was set to 650.

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

<u>Form B</u>				
Raw Score	Scale Score (SS)	Standard Error (SEM)	SS - 1SEM	SS + 1SEM
0	240	48	240 ^a	288
1	240	35	240 ^a	275
2	265	26	240 ^a	291
3	282	22	260	304
4	296	20	276	316
5	307	19	288	326
6	317	18	299	335
7	326	17	309	343
8	334	16	318	350
9	342	16	326	358
10	350	16	334	366
11	357	15	342	372
12	364	15	349	379
13	371	15	356	386
14	378	15	363	393
15	385	15	370	400
16	392	15	377	407
17	399	15	384	414
18	406	16	390	422
19	414	16	398	430
20	422	17	405	439
21	431	17	414	448
22	441	19	422	460
23	452	21	431	473
24	467	23	444	490
25	487	28	459	515
26	516	34	482	550
27	552	34	518	586
28	587	35	552	622
29	629	41	588	650 ^b
30	650	52	598	650 ^b

Note. ^aLOSS was set to 240. ^bHOSS was set to 650.

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

Form A					
Strand	RS	SS	SEM	SS-SEM	SS+SEM
LI	0	240	50	240 ^a	290
LI	1	243	38	240 ^a	281
LI	2	276	30	246	306
LI	3	301	27	274	328
LI	4	321	25	296	346
LI	5	339	24	315	363
LI	6	355	23	332	378
LI	7	370	22	348	392
LI	8	385	22	363	407
LI	9	399	22	377	421
LI	10	415	24	391	439
LI	11	435	27	408	462
LI	12	462	34	428	496
LI	13	515	50	465	565
LI	14	583	45	538	628
LI	15	618	53	565	650 ^b
IN	0	247	49	240 ^a	296
IN	1	274	37	240 ^a	311
IN	2	305	28	277	333
IN	3	326	24	302	350
IN	4	342	22	320	364
IN	5	357	21	336	378
IN	6	370	21	349	391
IN	7	383	21	362	404
IN	8	397	21	376	418
IN	9	412	22	390	434
IN	10	428	24	404	452
IN	11	448	27	421	475
IN	12	474	32	442	506
IN	13	512	38	474	550
IN	14	563	44	519	607
IN	15	598	54	544	650 ^b

Note. ^aLOSS was set to 240. ^bHOSS was set to 650.

Note. LI=Literary, IN=Informational

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

Form B					
Strand	RS	SS	SEM	SS-SEM	SS+SEM
LI	0	240	48	240 ^a	288
LI	1	262	36	240 ^a	298
LI	2	291	28	263	319
LI	3	312	24	288	336
LI	4	329	23	306	352
LI	5	344	22	322	366
LI	6	358	22	336	380
LI	7	373	22	351	395
LI	8	387	22	365	409
LI	9	402	23	379	425
LI	10	419	24	395	443
LI	11	438	27	411	465
LI	12	464	33	431	497
LI	13	507	42	465	549
LI	14	564	44	520	608
LI	15	598	53	545	650 ^b
IN	0	240	50	240 ^a	290
IN	1	268	38	240 ^a	306
IN	2	301	29	272	330
IN	3	323	25	298	348
IN	4	340	23	317	363
IN	5	356	22	334	378
IN	6	370	21	349	391
IN	7	383	21	362	404
IN	8	396	21	375	417
IN	9	410	22	388	432
IN	10	425	23	402	448
IN	11	443	26	417	469
IN	12	470	34	436	504
IN	13	531	57	474	588
IN	14	613	48	565	650 ^b
IN	15	650	55	595	650 ^b

Note. ^aLOSS was set to 240. ^bHOSS was set to 650.

Note. LI=Literary, IN=Informational

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

Form A				
Raw Score	Scale Score (SS)	Standard Error (SEM)	SS - 1SEM	SS + 1SEM
0	240 ^a	47	240 ^a	261
1	240 ^a	34	240 ^a	271
2	262	25	240 ^a	287
3	277	21	256	298
4	289	18	271	307
5	298	17	281	315
6	306	16	290	322
7	313	15	298	328
8	319	14	305	333
9	325	14	311	339
10	330	13	317	343
11	335	13	322	348
12	340	12	328	352
13	345	12	333	357
14	349	12	337	361
15	353	12	341	365
16	358	12	346	370
17	362	12	350	374
18	366	12	354	378
19	370	12	358	382
20	374	12	362	386
21	378	12	366	390
22	382	12	370	394
23	386	12	374	398
24	391	12	379	403
25	395	12	383	407
26	399	12	387	411
27	403	12	391	415
28	408	12	396	420
29	413	13	400	426
30	418	13	405	431
31	423	13	410	436
32	428	14	414	442
33	434	14	420	448
34	441	15	426	456
35	448	16	432	464
36	455	17	438	472
37	464	18	446	482
38	475	19	456	494
39	487	21	466	508
40	502	23	479	525
41	520	26	494	546
42	541	27	514	568
43	566	30	536	596
44	598	37	561	635
45	625	49	576	650 ^b

Note. ^aLOSS was set to 240. ^bHOSS was set to 650.

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

Form B				
Raw Score	Scale Score (SS)	Standard Error (SEM)	SS – 1SEM	SS + 1SEM
0	240 ^a	47	240 ^a	258
1	240 ^a	34	240 ^a	269
2	259	25	240 ^a	284
3	275	21	254	296
4	286	18	268	304
5	295	17	278	312
6	303	16	287	319
7	310	15	295	325
8	317	14	303	331
9	322	14	308	336
10	328	13	315	341
11	333	13	320	346
12	338	12	326	350
13	342	12	330	354
14	347	12	335	359
15	351	12	339	363
16	355	12	343	367
17	359	12	347	371
18	363	12	351	375
19	368	11	357	379
20	371	11	360	382
21	375	11	364	386
22	379	11	368	390
23	383	11	372	394
24	387	12	375	399
25	392	12	380	404
26	396	12	384	408
27	400	12	388	412
28	404	12	392	416
29	409	12	397	421
30	414	13	401	427
31	418	13	405	431
32	424	13	411	437
33	429	14	415	443
34	435	14	421	449
35	442	15	427	457
36	449	16	433	465
37	458	17	441	475
38	468	19	449	487
39	479	21	458	500
40	494	23	471	517
41	512	26	486	538
42	533	28	505	561
43	558	30	528	588
44	591	37	554	628
45	619	50	569	650 ^b

Note. ^aLOSS was set to 240. ^bHOSS was set to 650.

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

Strand	RS	Form A			
		SS	SEM	SS-SEM	SS+SEM
GR	0	246	48	240 ^a	294
GR	1	270	35	240 ^a	305
GR	2	297	26	271	323
GR	3	315	22	293	337
GR	4	328	21	307	349
GR	5	341	19	322	360
GR	6	352	19	333	371
GR	7	362	19	343	381
GR	8	373	19	354	392
GR	9	383	19	364	402
GR	10	394	19	375	413
GR	11	406	20	386	426
GR	12	420	22	398	442
GR	13	437	26	411	463
GR	14	464	35	429	499
GR	15	488	48	440	536
LI	0	246	49	240 ^a	295
LI	1	273	36	240 ^a	309
LI	2	303	28	275	331
LI	3	323	25	298	348
LI	4	340	23	317	363
LI	5	355	22	333	377
LI	6	370	22	348	392
LI	7	384	22	362	406
LI	8	398	22	376	420
LI	9	415	24	391	439
LI	10	433	26	407	459
LI	11	455	28	427	483
LI	12	482	32	450	514
LI	13	520	38	482	558
LI	14	567	42	525	609
LI	15	600	52	548	650 ^b
IN	0	267	48	240 ^a	315
IN	1	292	35	257	327
IN	2	320	27	293	347
IN	3	339	23	316	362
IN	4	354	22	332	376
IN	5	368	21	347	389
IN	6	380	20	360	400
IN	7	393	20	373	413
IN	8	405	21	384	426
IN	9	418	21	397	439
IN	10	433	23	410	456
IN	11	451	26	425	477
IN	12	475	31	444	506
IN	13	512	38	474	550
IN	14	561	43	518	604
IN	15	594	53	541	647

Note. ^aLOSS was set to 240. ^bHOSS was set to 650.

Note. GR= General Reading, LI=Literary, IN=Informational

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

Strand	RS	Form B			
		SS	SEM	SS-SEM	SS+SEM
GR	0	245	48	240 ^a	293
GR	1	269	35	240 ^a	304
GR	2	296	26	270	322
GR	3	314	22	292	336
GR	4	327	21	306	348
GR	5	340	19	321	359
GR	6	351	19	332	370
GR	7	361	19	342	380
GR	8	372	19	353	391
GR	9	382	19	363	401
GR	10	393	19	374	412
GR	11	405	20	385	425
GR	12	419	22	397	441
GR	13	436	26	410	462
GR	14	463	35	428	498
GR	15	487	48	439	535
LI	0	246	49	240 ^a	295
LI	1	272	37	240 ^a	309
LI	2	303	28	275	331
LI	3	324	25	299	349
LI	4	341	23	318	364
LI	5	356	22	334	378
LI	6	370	21	349	391
LI	7	384	21	363	405
LI	8	398	22	376	420
LI	9	413	23	390	436
LI	10	429	24	405	453
LI	11	448	27	421	475
LI	12	474	32	442	506
LI	13	514	40	474	554
LI	14	565	43	522	608
LI	15	599	53	546	650 ^b
IN	0	258	49	240 ^a	307
IN	1	284	36	248	320
IN	2	313	27	286	340
IN	3	332	23	309	355
IN	4	347	21	326	368
IN	5	361	20	341	381
IN	6	373	20	353	393
IN	7	385	20	365	405
IN	8	397	20	377	417
IN	9	409	21	388	430
IN	10	424	23	401	447
IN	11	441	26	415	467
IN	12	465	30	435	495
IN	13	499	37	462	536
IN	14	548	43	505	591
IN	15	581	53	528	634

Note. ^aLOSS was set to 240. ^bHOSS was set to 650.

Note. GR= General Reading, LI=Literary, IN=Informational

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

<u>Form A</u>				
Raw Score	Scale Score (SS)	Standard Error (SEM)	SS – 1SEM	SS + 1SEM
0	240 ^a	44	240 ^a	261
1	240 ^a	32	240 ^a	271
2	263	23	240	286
3	277	19	258	296
4	288	17	271	305
5	297	16	281	313
6	304	15	289	319
7	311	14	297	325
8	316	13	303	329
9	322	13	309	335
10	327	12	315	339
11	332	12	320	344
12	336	12	324	348
13	340	11	329	351
14	345	11	334	356
15	349	11	338	360
16	352	11	341	363
17	356	11	345	367
18	360	11	349	371
19	364	11	353	375
20	367	11	356	378
21	371	11	360	382
22	375	11	364	386
23	379	11	368	390
24	382	11	371	393
25	386	11	375	397
26	390	11	379	401
27	394	11	383	405
28	398	11	387	409
29	402	11	391	413
30	407	12	395	419
31	411	12	399	423
32	416	12	404	428
33	421	13	408	434
34	426	13	413	439
35	432	14	418	446
36	439	14	425	453
37	446	15	431	461
38	454	16	438	470
39	463	18	445	481
40	474	19	455	493
41	488	21	467	509
42	504	24	480	528
43	525	27	498	552
44	554	34	520	588
45	579	46	533	625

Note. ^aLOSS was set to 240.

Note. GR= General Reading, LI=Literary, IN=Informational

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

<u>Form B</u>				
Raw Score	Scale Score (SS)	Standard Error (SEM)	SS – 1SEM	SS + 1SEM
0	240 ^a	44	240 ^a	274
1	252	31	240 ^a	283
2	274	23	251	297
3	288	19	269	307
4	298	17	281	315
5	307	15	292	322
6	314	14	300	328
7	320	13	307	333
8	325	13	312	338
9	331	12	319	343
10	335	12	323	347
11	340	12	328	352
12	344	11	333	355
13	348	11	337	359
14	352	11	341	363
15	356	11	345	367
16	360	11	349	371
17	363	11	352	374
18	367	10	357	377
19	371	10	361	381
20	374	10	364	384
21	378	10	368	388
22	381	10	371	391
23	385	10	375	395
24	388	10	378	398
25	392	11	381	403
26	396	11	385	407
27	399	11	388	410
28	403	11	392	414
29	407	11	396	418
30	411	11	400	422
31	416	12	404	428
32	420	12	408	432
33	425	12	413	437
34	430	13	417	443
35	435	13	422	448
36	441	14	427	455
37	448	14	434	462
38	455	15	440	470
39	463	16	447	479
40	473	18	455	491
41	484	19	465	503
42	497	22	475	519
43	515	25	490	540
44	542	33	509	575
45	566	45	521	611

Note. ^aLOSS was set to 240.

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

Strand	RS	Form A			
		SS	SEM	SS-SEM	SS+SEM
GR	0	253	44	240 ^a	297
GR	1	276	32	244	308
GR	2	300	24	276	324
GR	3	316	21	295	337
GR	4	329	19	310	348
GR	5	339	18	321	357
GR	6	349	17	332	366
GR	7	359	17	342	376
GR	8	368	17	351	385
GR	9	377	17	360	394
GR	10	387	18	369	405
GR	11	398	19	379	417
GR	12	410	21	389	431
GR	13	426	24	402	450
GR	14	451	32	419	483
GR	15	474	44	430	518
LI	0	241	46	240 ^a	287
LI	1	266	34	240 ^a	300
LI	2	294	26	268	320
LI	3	314	23	291	337
LI	4	330	21	309	351
LI	5	344	20	324	364
LI	6	357	20	337	377
LI	7	369	19	350	388
LI	8	382	20	362	402
LI	9	395	20	375	415
LI	10	409	22	387	431
LI	11	426	24	402	450
LI	12	448	28	420	476
LI	13	481	35	446	516
LI	14	525	39	486	564
LI	15	555	49	506	604
IN	0	270	45	240 ^a	315
IN	1	294	33	261	327
IN	2	320	25	295	345
IN	3	338	22	316	360
IN	4	352	20	332	372
IN	5	365	19	346	384
IN	6	377	19	358	396
IN	7	389	19	370	408
IN	8	401	19	382	420
IN	9	413	20	393	433
IN	10	426	21	405	447
IN	11	442	22	420	464
IN	12	460	25	435	485
IN	13	484	29	455	513
IN	14	520	38	482	558
IN	15	550	49	501	599

Note. ^aLOSS was set to 240. ^bHOSS was set to 650.

Note. GR= General Reading, LI=Literary, IN=Informational

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

Strand	RS	Form B			
		SS	SEM	SS-SEM	SS+SEM
GR	0	253	44	240 ^a	297
GR	1	276	32	244	308
GR	2	300	24	276	324
GR	3	316	21	295	337
GR	4	329	19	310	348
GR	5	339	18	321	357
GR	6	349	17	332	366
GR	7	359	17	342	376
GR	8	368	17	351	385
GR	9	377	17	360	394
GR	10	387	18	369	405
GR	11	398	19	379	417
GR	12	410	21	389	431
GR	13	426	24	402	450
GR	14	451	32	419	483
GR	15	474	44	430	518
LI	0	264	45	240 ^a	309
LI	1	288	33	255	321
LI	2	315	25	290	340
LI	3	333	22	311	355
LI	4	348	21	327	369
LI	5	361	20	341	381
LI	6	373	19	354	392
LI	7	385	19	366	404
LI	8	398	19	379	417
LI	9	410	20	390	430
LI	10	424	21	403	445
LI	11	440	23	417	463
LI	12	460	26	434	486
LI	13	486	30	456	516
LI	14	522	37	485	559
LI	15	551	48	503	599
IN	0	283	44	240 ^a	327
IN	1	306	32	274	338
IN	2	331	24	307	355
IN	3	347	21	326	368
IN	4	360	19	341	379
IN	5	371	18	353	389
IN	6	382	18	364	400
IN	7	392	18	374	410
IN	8	402	18	384	420
IN	9	413	18	395	431
IN	10	424	19	405	443
IN	11	437	21	416	458
IN	12	453	23	430	476
IN	13	473	26	447	499
IN	14	502	34	468	536
IN	15	527	46	481	573

Note. ^aLOSS was set to 240. ^bHOSS was set to 650.

Note. GR= General Reading, LI=Literary, IN=Informational

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

<u>Form A</u>				
Raw Score	Scale Score (SS)	Standard Error (SEM)	SS – 1SEM	SS + 1SEM
0	240 ^a	46	240 ^a	257
1	240 ^a	33	240 ^a	267
2	258	24	240 ^a	282
3	273	20	253	293
4	284	18	266	302
5	293	16	277	309
6	300	15	285	315
7	307	14	293	321
8	313	14	299	327
9	319	13	306	332
10	324	13	311	337
11	329	12	317	341
12	334	12	322	346
13	338	12	326	350
14	342	12	330	354
15	347	11	336	358
16	351	11	340	362
17	355	11	344	366
18	358	11	347	369
19	362	11	351	373
20	366	11	355	377
21	370	11	359	381
22	374	11	363	385
23	378	11	367	389
24	381	11	370	392
25	385	11	374	396
26	389	11	378	400
27	393	11	382	404
28	397	12	385	409
29	402	12	390	414
30	406	12	394	418
31	411	12	399	423
32	415	13	402	428
33	421	13	408	434
34	426	14	412	440
35	432	14	418	446
36	439	15	424	454
37	446	16	430	462
38	455	17	438	472
39	465	19	446	484
40	476	20	456	496
41	490	22	468	512
42	508	25	483	533
43	529	28	501	557
44	559	36	523	595
45	586	48	538	634

Note. ^aLOSS was set to 240.

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

<u>Form B</u>				
Raw Score	Scale Score (SS)	Standard Error (SEM)	SS – 1SEM	SS + 1SEM
0	240 ^a	46	240 ^a	252
1	240 ^a	33	240 ^a	262
2	254	24	240 ^a	278
3	269	20	249	289
4	281	18	263	299
5	291	17	274	308
6	299	16	283	315
7	306	15	291	321
8	312	14	298	326
9	318	14	304	332
10	324	13	311	337
11	329	13	316	342
12	334	12	322	346
13	339	12	327	351
14	343	12	331	355
15	347	12	335	359
16	352	12	340	364
17	356	11	345	367
18	360	11	349	371
19	364	11	353	375
20	368	11	357	379
21	372	11	361	383
22	376	11	365	387
23	379	11	368	390
24	383	11	372	394
25	387	11	376	398
26	391	11	380	402
27	395	11	384	406
28	400	12	388	412
29	404	12	392	416
30	408	12	396	420
31	413	12	401	425
32	418	13	405	431
33	423	13	410	436
34	429	14	415	443
35	435	14	421	449
36	442	15	427	457
37	449	16	433	465
38	458	17	441	475
39	468	19	449	487
40	480	20	460	500
41	494	22	472	516
42	511	24	487	535
43	532	28	504	560
44	562	35	527	597
45	587	47	540	634

Note. ^aLOSS was set to 240.

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

Strand	RS	Form A			
		SS	SEM	SS-SEM	SS+SEM
GR	0	252	46	240 ^a	298
GR	1	276	34	242	310
GR	2	302	25	277	327
GR	3	318	22	296	340
GR	4	332	20	312	352
GR	5	343	19	324	362
GR	6	354	18	336	372
GR	7	364	18	346	382
GR	8	373	18	355	391
GR	9	383	18	365	401
GR	10	394	19	375	413
GR	11	406	20	386	426
GR	12	419	22	397	441
GR	13	436	25	411	461
GR	14	462	34	428	496
GR	15	486	46	440	532
LI	0	242	47	240 ^a	289
LI	1	268	35	240 ^a	303
LI	2	296	26	270	322
LI	3	314	23	291	337
LI	4	330	21	309	351
LI	5	343	20	323	363
LI	6	355	20	335	375
LI	7	367	20	347	387
LI	8	379	20	359	399
LI	9	392	21	371	413
LI	10	406	22	384	428
LI	11	423	25	398	448
LI	12	446	30	416	476
LI	13	484	39	445	523
LI	14	534	42	492	576
LI	15	567	51	516	618
IN	0	249	47	240 ^a	296
IN	1	275	35	240	310
IN	2	304	27	277	331
IN	3	324	24	300	348
IN	4	341	22	319	363
IN	5	355	21	334	376
IN	6	368	20	348	388
IN	7	381	20	361	401
IN	8	393	20	373	413
IN	9	406	21	385	427
IN	10	420	22	398	442
IN	11	436	24	412	460
IN	12	456	27	429	483
IN	13	481	31	450	512
IN	14	517	38	479	555
IN	15	546	49	497	595

Note. ^aLOSS was set to 240. ^bHOSS was set to 650.

Note. GR= General Reading, LI=Literary, IN=Informational

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

Strand	RS	Form B			
		SS	SEM	SS-SEM	SS+SEM
GR	0	252	46	240 ^a	298
GR	1	276	34	242	310
GR	2	302	25	277	327
GR	3	318	22	296	340
GR	4	332	20	312	352
GR	5	343	19	324	362
GR	6	354	18	336	372
GR	7	364	18	346	382
GR	8	373	18	355	391
GR	9	383	18	365	401
GR	10	394	19	375	413
GR	11	406	20	386	426
GR	12	419	22	397	441
GR	13	436	25	411	461
GR	14	462	34	428	496
GR	15	486	46	440	532
LI	0	240	48	240 ^a	288
LI	1	256	36	240 ^a	292
LI	2	286	28	258	314
LI	3	308	25	283	333
LI	4	326	23	303	349
LI	5	341	22	319	363
LI	6	355	21	334	376
LI	7	369	21	348	390
LI	8	382	20	362	402
LI	9	395	21	374	416
LI	10	409	22	387	431
LI	11	426	24	402	450
LI	12	448	28	420	476
LI	13	479	35	444	514
LI	14	522	40	482	562
LI	15	553	51	502	604
IN	0	253	48	240 ^a	301
IN	1	279	36	243	315
IN	2	309	27	282	336
IN	3	329	24	305	353
IN	4	345	22	323	367
IN	5	359	21	338	380
IN	6	372	20	352	392
IN	7	385	20	365	405
IN	8	397	20	377	417
IN	9	410	21	389	431
IN	10	425	22	403	447
IN	11	442	25	417	467
IN	12	464	29	435	493
IN	13	494	34	460	528
IN	14	535	40	495	575
IN	15	566	50	516	616

Note. ^aLOSS was set to 240. ^bHOSS was set to 650.

Note. GR= General Reading, LI=Literary, IN=Informational

Table 4.43 The 2007 MSA-Reading Total Raw Score to Scale Score Conversion Table: Grade 8 Form A

Form A				
Raw Score	Scale Score (SS)	Standard Error (SEM)	SS - 1SEM	SS + 1SEM
0	240 ^a	44	240 ^a	259
1	240 ^a	32	240 ^a	270
2	262	24	240 ^a	286
3	278	20	258	298
4	289	18	271	307
5	298	16	282	314
6	306	15	291	321
7	313	14	299	327
8	320	13	307	333
9	325	13	312	338
10	331	12	319	343
11	336	12	324	348
12	340	12	328	352
13	345	11	334	356
14	349	11	338	360
15	353	11	342	364
16	357	11	346	368
17	361	11	350	372
18	365	11	354	376
19	368	11	357	379
20	372	11	361	383
21	376	11	365	387
22	379	10	369	389
23	383	11	372	394
24	386	11	375	397
25	390	11	379	401
26	394	11	383	405
27	398	11	387	409
28	402	11	391	413
29	406	11	395	417
30	410	11	399	421
31	414	12	402	426
32	419	12	407	431
33	423	12	411	435
34	428	13	415	441
35	434	13	421	447
36	440	14	426	454
37	446	15	431	461
38	454	15	439	469
39	462	17	445	479
40	472	18	454	490
41	483	20	463	503
42	497	22	475	519
43	516	25	491	541
44	543	33	510	576
45	567	45	522	612

Note. ^aLOSS was set to 240.

Table 4.44 The 2007 MSA-Reading Total Raw Score to Scale Score Conversion Table: Grade 8 Form B

Form B				
Raw Score	Scale Score (SS)	Standard Error (SEM)	SS - 1SEM	SS + 1SEM
0	240 ^a	44	240 ^a	260
1	240 ^a	32	240 ^a	271
2	264	24	240	288
3	279	20	259	299
4	291	18	273	309
5	300	16	284	316
6	308	15	293	323
7	315	14	301	329
8	321	13	308	334
9	326	13	313	339
10	332	12	320	344
11	336	12	324	348
12	341	12	329	353
13	345	11	334	356
14	349	11	338	360
15	353	11	342	364
16	357	11	346	368
17	361	11	350	372
18	364	10	354	374
19	368	10	358	378
20	372	10	362	382
21	375	10	365	385
22	378	10	368	388
23	382	10	372	392
24	385	10	375	395
25	389	10	379	399
26	392	10	382	402
27	396	10	386	406
28	399	11	388	410
29	403	11	392	414
30	407	11	396	418
31	411	11	400	422
32	415	11	404	426
33	420	12	408	432
34	424	12	412	436
35	429	13	416	442
36	435	13	422	448
37	441	14	427	455
38	448	15	433	463
39	455	16	439	471
40	464	17	447	481
41	475	19	456	494
42	487	21	466	508
43	504	24	480	528
44	529	33	496	562
45	552	45	507	597

Note. ^aLOSS was set to 240.

Table 4.45 The 2007 MSA-Reading Subtotal Raw Score to Scale Score Conversion Table: Grade 8 Form A

Strand	RS	Form A			
		SS	SEM	SS-SEM	SS+SEM
GR	0	240	47	240 ^a	287
GR	1	267	36	240 ^a	303
GR	2	297	27	270	324
GR	3	317	22	295	339
GR	4	331	20	311	351
GR	5	343	18	325	361
GR	6	353	17	336	370
GR	7	362	17	345	379
GR	8	371	16	355	387
GR	9	380	16	364	396
GR	10	389	17	372	406
GR	11	399	17	382	416
GR	12	409	18	391	427
GR	13	421	20	401	441
GR	14	437	24	413	461
GR	15	461	32	429	493
GR	16	483	44	439	527
LI	0	254	45	240 ^a	299
LI	1	278	33	245	311
LI	2	306	26	280	332
LI	3	324	23	301	347
LI	4	340	21	319	361
LI	5	354	20	334	374
LI	6	367	20	347	387
LI	7	380	20	360	400
LI	8	393	20	373	413
LI	9	407	21	386	428
LI	10	423	23	400	446
LI	11	442	25	417	467
LI	12	466	29	437	495
LI	13	500	36	464	536
LI	14	527	47	480	574
IN	0	264	46	240 ^a	310
IN	1	289	34	255	323
IN	2	318	26	292	344
IN	3	337	23	314	360
IN	4	352	21	331	373
IN	5	365	20	345	385
IN	6	378	19	359	397
IN	7	389	19	370	408
IN	8	401	19	382	420
IN	9	413	19	394	432
IN	10	426	21	405	447
IN	11	441	22	419	463
IN	12	460	26	434	486
IN	13	485	30	455	515
IN	14	522	37	485	559
IN	15	550	48	502	598

Note. ^aLOSS was set to 240. ^bHOSS was set to 650.

Note. GR= General Reading, LI=Literary, IN=Informational

Table 4.46 The 2007 MSA-Reading Subtotal Raw Score to Scale Score Conversion Table: Grade 8 Form B

Form B					
Strand	RS	SS	SEM	SS-SEM	SS+SEM
GR	0	240	47	240 ^a	287
GR	1	267	36	240 ^a	303
GR	2	297	27	270	324
GR	3	317	22	295	339
GR	4	331	20	311	351
GR	5	343	18	325	361
GR	6	353	17	336	370
GR	7	362	17	345	379
GR	8	371	16	355	387
GR	9	380	16	364	396
GR	10	389	17	372	406
GR	11	399	17	382	416
GR	12	409	18	391	427
GR	13	421	20	401	441
GR	14	437	24	413	461
GR	15	461	32	429	493
GR	16	483	44	439	527
LI	0	252	45	240 ^a	297
LI	1	277	34	243	311
LI	2	306	26	280	332
LI	3	326	23	303	349
LI	4	342	21	321	363
LI	5	356	20	336	376
LI	6	369	20	349	389
LI	7	382	19	363	401
LI	8	394	20	374	414
LI	9	408	21	387	429
LI	10	423	22	401	445
LI	11	441	25	416	466
LI	12	466	30	436	496
LI	13	502	37	465	539
LI	14	530	47	483	577
IN	0	272	45	240 ^a	317
IN	1	296	33	263	329
IN	2	321	24	297	345
IN	3	338	21	317	359
IN	4	351	19	332	370
IN	5	363	18	345	381
IN	6	373	18	355	391
IN	7	384	18	366	402
IN	8	394	18	376	412
IN	9	404	18	386	422
IN	10	416	19	397	435
IN	11	429	21	408	450
IN	12	444	23	421	467
IN	13	464	27	437	491
IN	14	494	35	459	529
IN	15	520	46	474	566

Note. ^aLOSS was set to 240. ^bHOSS was set to 650.

Note. GR= General Reading, LI=Literary, IN=Informational

Table 4.47 The 2007 MSA-Reading Score Difference between Rater 1 and Rater 2: Grade 3

Form	Item No.	Perfect		Adjacent		Discrepancy		Total	
		N	%	N	%	N	%	N	%
A	72	23,336	78.5	6,193	20.8	203	0.7	29,732	100.0
	75	24,340	81.9	5,203	17.5	189	0.6	29,732	100.0
	78	22,964	77.2	6,651	22.4	117	0.4	29,732	100.0
	81	24,729	83.2	4,963	16.7	40	0.1	29,732	100.0
B	72	23,102	77.9	6,179	20.8	394	1.3	29,675	100.0
	75	23,403	78.9	6,098	20.5	174	0.6	29,675	100.0
	78	22,570	76.1	6,788	22.9	317	1.1	29,675	100.0
	81	22,768	76.7	6,590	22.2	317	1.1	29,675	100.0

Note. Analyses were conducted with a whole population.

Table 4.48 The 2007 MSA-Reading Score Difference between Rater 1 and Rater 2: Grade 4

Form	Item No.	Perfect		Adjacent		Discrepancy		Total	
		N	%	N	%	N	%	N	%
A	72	23,032	76.3	7,068	23.4	74	0.2	30,174	100.0
	75	23,223	77.0	6,875	22.8	76	0.3	30,174	100.0
	78	23,640	78.3	6,439	21.3	95	0.3	30,174	100.0
	81	23,725	78.6	6,206	20.6	243	0.8	30,174	100.0
B	72	24,606	82.1	5,039	16.8	310	1.0	29,955	100.0
	75	23,148	77.3	6,569	21.9	238	0.8	29,955	100.0
	78	23,774	79.4	6,110	20.4	71	0.2	29,955	100.0
	81	22,933	76.6	6,874	22.9	148	0.5	29,955	100.0

Note. Analyses were conducted with a whole population.

Table 4.49 The 2007 MSA-Reading Score Difference between Rater 1 and Rater 2: Grade 5

Form	Item No.	Perfect		Adjacent		Discrepancy		Total	
		N	%	N	%	N	%	N	%
A	62	24,911	80.7	5,868	19.0	104	0.3	30,883	100.0
	65	23,614	76.5	7,168	23.2	101	0.3	30,883	100.0
	68	23,594	76.4	7,152	23.2	137	0.4	30,883	100.0
	71	27,552	89.2	3,241	10.5	90	0.3	30,883	100.0
B	62	23,059	75.1	7,572	24.7	62	0.2	30,693	100.0
	65	24,281	79.1	6,295	20.5	117	0.4	30,693	100.0
	68	24,491	79.8	6,090	19.8	112	0.4	30,693	100.0
	71	24,818	80.9	5,725	18.7	150	0.5	30,693	100.0

Note. Analyses were conducted with a whole population.

Table 4.50 The 2007 MSA-Reading Score Difference between Rater 1 and Rater 2: Grade 6

Form	Item No.	Perfect		Adjacent		Discrepancy		Total	
		N	%	N	%	N	%	N	%
A	62	24,250	77.4	6,981	22.3	108	0.3	31,339	100.0
	65	23,270	74.3	7,961	25.4	108	0.3	31,339	100.0
	68	24,058	76.8	7,058	22.5	223	0.7	31,339	100.0
	71	24,250	77.4	6,684	21.3	405	1.3	31,339	100.0
B	62	25,513	82.0	5,080	16.3	535	1.7	31,128	100.0
	65	23,567	75.7	6,786	21.8	775	2.5	31,128	100.0
	68	24,468	78.6	5,792	18.6	868	2.8	31,128	100.0
	71	24,365	78.3	6,627	21.3	136	0.4	31,128	100.0

Note. Analyses were conducted with a whole population.

Table 4.51 The 2007 MSA-Reading Score Difference between Rater 1 and Rater 2: Grade 7

Form	Item No.	Perfect		Adjacent		Discrepancy		Total	
		N	%	N	%	N	%	N	%
A	62	24,020	74.8	7,853	24.5	241	0.8	32,114	100.0
	65	28,427	88.5	3,364	10.5	323	1.0	32,114	100.0
	68	25,193	78.4	6,595	20.5	326	1.0	32,114	100.0
	71	26,037	81.1	5,911	18.4	166	0.5	32,114	100.0
B	62	24,369	76.5	7,295	22.9	182	0.6	31,846	100.0
	65	24,661	77.4	7,111	22.3	74	0.2	31,846	100.0
	68	24,367	76.5	7,091	22.3	388	1.2	31,846	100.0
	71	25,412	79.8	6,332	19.9	102	0.3	31,846	100.0

Note. Analyses were conducted with a whole population.

Table 4.52 The 2007 MSA-Reading Score Difference between Rater 1 and Rater 2: Grade 8

Form	Item No.	Perfect		Adjacent		Discrepancy		Total	
		N	%	N	%	N	%	N	%
A	62	26,160	80.2	6,163	18.9	286	0.9	32,609	100.0
	65	26,700	81.9	5,683	17.4	226	0.7	32,609	100.0
	68	25,884	79.4	6,312	19.4	413	1.3	32,609	100.0
	71	25,633	78.6	6,904	21.2	72	0.2	32,609	100.0
B	62	24,564	75.7	7,682	23.7	206	0.6	32,452	100.0
	65	24,992	77.0	7,164	22.1	296	0.9	32,452	100.0
	68	25,446	78.4	6,611	20.4	395	1.2	32,452	100.0
	71	25,634	79.0	6,664	20.5	154	0.5	32,452	100.0

Note. Analyses were conducted with a whole population.