

APPENDIX C—COMPOSITE RAW SCORE CORRESPONDENCE

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**Table C-1. 2004–2008 MEPA: Composite Raw Score
Correspondence for Reading/Writing—Grade Span 3–4, Fall 2004**

Raw Score	Reading/Writing Sessions 1&2/1&2		Reading/Writing Sessions 2&3/1&2		Reading/Writing Sessions 1&2/2&3		Reading/Writing Sessions 2&3/2&3	
	Theta	SS	Theta	SS	Theta	SS	Theta	SS
0	-4.0000	300	-4.0000	300	-4.0000	300	-4.0000	300
1	-4.0000	300	-4.0000	300	-4.0000	300	-4.0000	300
2	-3.7862	300	-3.6189	301	-3.7247	301	-3.5329	301
3	-3.4457	301	-3.2636	301	-3.3758	301	-3.1636	302
4	-3.2064	302	-3.0151	302	-3.1296	302	-2.9051	302
5	-3.0208	302	-2.8238	302	-2.9383	302	-2.7060	302
6	-2.8685	302	-2.6678	303	-2.7808	302	-2.5438	303
7	-2.7389	302	-2.5358	303	-2.6464	303	-2.4066	303
8	-2.6254	303	-2.4209	303	-2.5286	303	-2.2873	303
9	-2.5243	303	-2.3189	303	-2.4233	303	-2.1815	303
10	-2.4327	303	-2.2269	303	-2.3277	303	-2.0862	304
11	-2.3487	303	-2.1428	304	-2.2401	303	-1.9991	304
12	-2.2709	303	-2.0651	304	-2.1588	304	-1.9189	304
13	-2.1984	303	-1.9928	304	-2.0829	304	-1.8442	304
14	-2.1302	304	-1.9250	304	-2.0115	304	-1.7742	304
15	-2.0657	304	-1.8609	304	-1.9439	304	-1.7082	304
16	-2.0044	304	-1.8000	304	-1.8797	304	-1.6455	304
17	-1.9459	304	-1.7420	304	-1.8184	304	-1.5858	305
18	-1.8898	304	-1.6863	304	-1.7596	304	-1.5287	305
19	-1.8359	304	-1.6328	305	-1.7030	304	-1.4738	305
20	-1.7838	304	-1.5811	305	-1.6484	305	-1.4209	305
21	-1.7333	304	-1.5311	305	-1.5956	305	-1.3697	305
22	-1.6844	304	-1.4825	305	-1.5444	305	-1.3200	307
23	-1.6367	304	-1.4352	305	-1.4945	305	-1.2718	309
24	-1.5903	305	-1.3890	305	-1.4460	305	-1.2247	311
25	-1.5448	305	-1.3439	306	-1.3985	305	-1.1788	313
26	-1.5004	305	-1.2996	308	-1.3521	306	-1.1339	315
27	-1.4567	305	-1.2561	310	-1.3066	308	-1.0898	317
28	-1.4138	305	-1.2134	312	-1.2619	309	-1.0465	319
29	-1.3716	305	-1.1712	313	-1.2180	311	-1.0039	320
30	-1.3299	307	-1.1296	315	-1.1748	313	-0.9620	322
31	-1.2888	308	-1.0885	317	-1.1321	315	-0.9206	324
32	-1.2481	310	-1.0479	319	-1.0899	317	-0.8797	326
33	-1.2078	312	-1.0076	320	-1.0483	319	-0.8392	327
34	-1.1678	313	-0.9675	322	-1.0070	320	-0.7991	329
35	-1.1282	315	-0.9278	324	-0.9661	322	-0.7593	331
36	-1.0887	317	-0.8882	325	-0.9256	324	-0.7198	333
37	-1.0495	319	-0.8489	327	-0.8852	326	-0.6806	334
38	-1.0104	320	-0.8096	329	-0.8451	327	-0.6415	336
39	-0.9714	322	-0.7704	330	-0.8052	329	-0.6025	338
40	-0.9325	323	-0.7312	332	-0.7654	331	-0.5637	339
41	-0.8935	325	-0.6920	334	-0.7257	332	-0.5248	341
42	-0.8546	327	-0.6528	335	-0.6860	334	-0.4860	342
43	-0.8155	328	-0.6135	337	-0.6463	336	-0.4472	344
44	-0.7764	330	-0.5740	339	-0.6066	337	-0.4083	346
45	-0.7371	332	-0.5343	340	-0.5668	339	-0.3693	347
46	-0.6976	333	-0.4944	342	-0.5269	341	-0.3301	349

(cont'd)

Raw Score	Reading/Writing Sessions 1&2/1&2		Reading/Writing Sessions 2&3/1&2		Reading/Writing Sessions 1&2/2&3		Reading/Writing Sessions 2&3/2&3	
	Theta	SS	Theta	SS	Theta	SS	Theta	SS
47	-0.6578	335	-0.4543	344	-0.4868	342	-0.2907	351
48	-0.6178	337	-0.4138	346	-0.4465	344	-0.2510	352
49	-0.5774	339	-0.3730	347	-0.4059	346	-0.2111	354
50	-0.5367	340	-0.3317	348	-0.3651	348	-0.1708	356
51	-0.4955	342	-0.2900	351	-0.3239	349	-0.1302	358
52	-0.4538	344	-0.2478	353	-0.2823	351	-0.0891	359
53	-0.4116	346	-0.2050	354	-0.2402	353	-0.0475	361
54	-0.3688	347	-0.1615	356	-0.1976	355	-0.0053	363
55	-0.3252	349	-0.1173	358	-0.1545	357	0.0375	365
56	-0.2810	351	-0.0723	360	-0.1107	358	0.0810	367
57	-0.2359	353	-0.0264	362	-0.0662	360	0.1252	368
58	-0.1899	355	0.0204	364	-0.0209	362	0.1703	370
59	-0.1429	357	0.0683	366	0.0252	364	0.2163	372
60	-0.0948	359	0.1174	368	0.0723	366	0.2633	374
61	-0.0455	361	0.1678	370	0.1205	368	0.3115	376
62	0.0052	363	0.2197	372	0.1698	370	0.3608	378
63	0.0574	366	0.2731	374	0.2205	372	0.4116	381
64	0.1113	368	0.3284	377	0.2726	374	0.4639	383
65	0.1671	370	0.3856	379	0.3262	377	0.5179	385
66	0.2249	373	0.4451	382	0.3817	379	0.5737	387
67	0.2851	375	0.5071	385	0.4391	382	0.6316	390
68	0.3479	378	0.5719	387	0.4987	384	0.6918	392
69	0.4138	381	0.6400	390	0.5607	387	0.7545	395
70	0.4831	384	0.7117	393	0.6256	390	0.8202	395
71	0.5563	387	0.7876	395	0.6936	393	0.8892	395
72	0.6340	390	0.8684	395	0.7651	395	0.9618	395
73	0.7172	394	0.9548	395	0.8408	395	1.0387	395
74	0.8066	395	1.0480	395	0.9212	395	1.1205	396
75	0.9036	395	1.1492	396	1.0071	395	1.2080	396
76	1.0099	395	1.2602	396	1.0995	396	1.3022	396
77	1.1277	396	1.3833	396	1.1997	396	1.4044	396
78	1.2601	396	1.5217	396	1.3093	396	1.5163	396
79	1.4119	396	1.6802	396	1.4306	396	1.6400	396
80	1.5903	396	1.8660	397	1.5668	396	1.7789	397
81	1.8074	397	2.0915	397	1.7225	396	1.9376	397
82	2.0864	397	2.3796	397	1.9050	397	2.1234	397
83	2.4791	398	2.7824	398	2.1265	397	2.3485	397
84	3.1528	399	3.4669	399	2.4099	398	2.6360	398
85	4.0000	400	4.0000	400	2.8077	398	3.0382	399
86					3.4873	399	3.7228	400
87					4.0000	400	4.0000	400

SS = scaled score

**Table C-2. 2004–2008 MEPA: Composite Raw Score
Correspondence for Reading/Writing—Grade Span 3–4, Spring 2005**

Raw Score	Reading/Writing Sessions 1&2/1&2		Reading/Writing Sessions 2&3/1&2		Reading/Writing Sessions 1&2/2&3		Reading/Writing Sessions 2&3/2&3	
	Theta	SS	Theta	SS	Theta	SS	Theta	SS
0	-4.0000	300	-4.0000	300	-4.0000	300	-4.0000	300
1	-4.0000	300	-4.0000	300	-4.0000	300	-4.0000	300
2	-3.9439	300	-3.7090	301	-3.9015	300	-3.6407	301
3	-3.5931	301	-3.3413	301	-3.5414	301	-3.2578	301
4	-3.3413	301	-3.0836	302	-3.2812	301	-2.9884	302
5	-3.1432	302	-2.8851	302	-3.0755	302	-2.7806	302
6	-2.9792	302	-2.7233	302	-2.9044	302	-2.6111	303
7	-2.8388	302	-2.5864	303	-2.7575	302	-2.4678	303
8	-2.7158	302	-2.4674	303	-2.6284	303	-2.3433	303
9	-2.6060	303	-2.3619	303	-2.5130	303	-2.2330	303
10	-2.5067	303	-2.2668	303	-2.4086	303	-2.1338	304
11	-2.4159	303	-2.1801	303	-2.3130	303	-2.0434	304
12	-2.3320	303	-2.1001	304	-2.2247	303	-1.9601	304
13	-2.2541	303	-2.0258	304	-2.1425	304	-1.8828	304
14	-2.1810	303	-1.9561	304	-2.0655	304	-1.8104	304
15	-2.1122	304	-1.8904	304	-1.9930	304	-1.7422	304
16	-2.0470	304	-1.8281	304	-1.9243	304	-1.6776	304
17	-1.9849	304	-1.7688	304	-1.8590	304	-1.6161	305
18	-1.9257	304	-1.7120	304	-1.7966	304	-1.5573	305
19	-1.8688	304	-1.6574	304	-1.7368	304	-1.5008	305
20	-1.8142	304	-1.6048	305	-1.6793	304	-1.4465	305
21	-1.7614	304	-1.5539	305	-1.6238	305	-1.3939	305
22	-1.7103	304	-1.5046	305	-1.5700	305	-1.3429	306
23	-1.6607	304	-1.4566	305	-1.5179	305	-1.2934	308
24	-1.6124	305	-1.4098	305	-1.4671	305	-1.2451	310
25	-1.5654	305	-1.3641	305	-1.4177	305	-1.1979	312
26	-1.5194	305	-1.3193	307	-1.3694	305	-1.1517	314
27	-1.4744	305	-1.2753	309	-1.3221	307	-1.1064	316
28	-1.4302	305	-1.2322	311	-1.2756	309	-1.0619	318
29	-1.3868	305	-1.1896	313	-1.2300	311	-1.0181	320
30	-1.3440	306	-1.1477	314	-1.1851	313	-0.9749	322
31	-1.3019	308	-1.1063	316	-1.1408	315	-0.9322	324
32	-1.2603	310	-1.0653	318	-1.0971	316	-0.8900	325
33	-1.2191	311	-1.0246	320	-1.0539	318	-0.8482	327
34	-1.1783	313	-0.9844	321	-1.0110	320	-0.8067	329
35	-1.1378	315	-0.9443	323	-0.9685	322	-0.7655	331
36	-1.0977	316	-0.9045	324	-0.9263	324	-0.7245	332
37	-1.0577	318	-0.8648	326	-0.8844	326	-0.6837	334
38	-1.0179	320	-0.8253	328	-0.8426	327	-0.6431	336
39	-0.9783	322	-0.7858	330	-0.8009	329	-0.6024	338
40	-0.9387	323	-0.7463	331	-0.7593	331	-0.5619	339
41	-0.8991	324	-0.7069	333	-0.7178	333	-0.5213	341
42	-0.8595	327	-0.6673	335	-0.6762	334	-0.4806	343
43	-0.8199	328	-0.6276	336	-0.6345	336	-0.4399	344
44	-0.7801	330	-0.5878	338	-0.5928	338	-0.3990	346
45	-0.7402	332	-0.5477	340	-0.5508	340	-0.3579	348
46	-0.7000	333	-0.5074	342	-0.5087	341	-0.3166	350

(cont'd)

Raw Score	Reading/Writing Sessions 1&2/1&2		Reading/Writing Sessions 2&3/1&2		Reading/Writing Sessions 1&2/2&3		Reading/Writing Sessions 2&3/2&3	
	Theta	SS	Theta	SS	Theta	SS	Theta	SS
47	-0.6596	335	-0.4669	343	-0.4662	343	-0.2750	351
48	-0.6189	337	-0.4259	345	-0.4235	345	-0.2331	353
49	-0.5778	339	-0.3846	347	-0.3803	347	-0.1908	355
50	-0.5363	340	-0.3428	348	-0.3368	348	-0.1481	357
51	-0.4943	342	-0.3006	350	-0.2927	351	-0.1050	359
52	-0.4518	344	-0.2577	352	-0.2481	353	-0.0613	361
53	-0.4086	346	-0.2143	354	-0.2029	354	-0.0171	362
54	-0.3648	348	-0.1702	356	-0.1571	356	0.0278	364
55	-0.3203	350	-0.1253	358	-0.1104	358	0.0734	366
56	-0.2749	351	-0.0796	360	-0.0630	360	0.1197	368
57	-0.2286	353	-0.0330	362	-0.0146	362	0.1668	370
58	-0.1812	355	0.0145	364	0.0348	365	0.2149	372
59	-0.1328	357	0.0632	366	0.0853	367	0.2640	374
60	-0.0831	360	0.1130	368	0.1369	369	0.3141	376
61	-0.0320	362	0.1642	370	0.1899	371	0.3655	379
62	0.0206	364	0.2168	372	0.2444	373	0.4181	381
63	0.0749	366	0.2710	374	0.3004	376	0.4722	383
64	0.1310	369	0.3269	377	0.3581	378	0.5279	386
65	0.1893	371	0.3849	379	0.4178	381	0.5854	388
66	0.2499	374	0.4450	382	0.4796	383	0.6447	390
67	0.3132	376	0.5075	385	0.5438	386	0.7062	393
68	0.3794	379	0.5729	387	0.6105	389	0.7701	395
69	0.4490	382	0.6414	390	0.6801	392	0.8367	395
70	0.5224	385	0.7134	393	0.7529	395	0.9062	395
71	0.6002	389	0.7896	395	0.8293	395	0.9791	395
72	0.6831	392	0.8706	395	0.9097	395	1.0558	395
73	0.7720	396	0.9572	395	0.9947	395	1.1368	396
74	0.8679	395	1.0504	395	1.0850	395	1.2229	396
75	0.9722	395	1.1516	396	1.1812	396	1.3147	396
76	1.0868	395	1.2626	396	1.2844	396	1.4133	396
77	1.2139	396	1.3856	396	1.3958	396	1.5199	396
78	1.3571	396	1.5241	396	1.5171	396	1.6363	396
79	1.5211	396	1.6829	396	1.6506	396	1.7646	397
80	1.7136	396	1.8694	397	1.7993	397	1.9082	397
81	1.9470	397	2.0961	397	1.9679	397	2.0716	397
82	2.2447	397	2.3865	397	2.1636	397	2.2622	397
83	2.6591	398	2.7928	398	2.3986	398	2.4921	398
84	3.3582	399	3.4829	399	2.6960	398	2.7847	398
85	4.0000	400	4.0000	400	3.1083	399	3.1923	399
86					3.8037	400	3.8832	400
87					4.0000	400	4.0000	400

SS = scaled score

**Table C-3. 2004–2008 MEPA: Composite Raw Score
Correspondence for Reading/Writing—Grade Span 3–4, Fall 2005**

Raw Score	Reading/Writing Sessions 1&2/1&2		Reading/Writing Sessions 2&3/1&2		Reading/Writing Sessions 1&2/2&3		Reading/Writing Sessions 2&3/2&3	
	Theta	SS	Theta	SS	Theta	SS	Theta	SS
0	-4.0000	300	-4.0000	300	-4.0000	300	-4.0000	300
1	-4.0000	300	-4.0000	300	-4.0000	300	-4.0000	300
2	-3.9439	300	-3.7090	301	-3.9015	300	-3.6407	301
3	-3.5931	301	-3.3413	301	-3.5414	301	-3.2578	301
4	-3.3413	301	-3.0836	302	-3.2812	301	-2.9884	302
5	-3.1432	302	-2.8851	302	-3.0755	302	-2.7806	302
6	-2.9792	302	-2.7233	302	-2.9044	302	-2.6111	303
7	-2.8388	302	-2.5864	303	-2.7575	302	-2.4678	303
8	-2.7158	302	-2.4674	303	-2.6284	303	-2.3433	303
9	-2.6060	303	-2.3619	303	-2.5130	303	-2.2330	303
10	-2.5067	303	-2.2668	303	-2.4086	303	-2.1338	304
11	-2.4159	303	-2.1801	304	-2.3130	303	-2.0434	304
12	-2.3320	303	-2.1001	304	-2.2247	303	-1.9601	304
13	-2.2541	303	-2.0258	304	-2.1425	304	-1.8828	304
14	-2.1810	303	-1.9561	304	-2.0655	304	-1.8104	304
15	-2.1122	304	-1.8904	304	-1.9930	304	-1.7422	304
16	-2.0470	304	-1.8281	304	-1.9243	304	-1.6776	304
17	-1.9849	304	-1.7688	304	-1.8590	304	-1.6161	305
18	-1.9257	304	-1.7120	304	-1.7966	304	-1.5573	305
19	-1.8688	304	-1.6574	305	-1.7368	304	-1.5008	305
20	-1.8142	304	-1.6048	305	-1.6793	304	-1.4465	305
21	-1.7614	304	-1.5539	305	-1.6238	305	-1.3939	305
22	-1.7103	304	-1.5046	305	-1.5700	305	-1.3429	306
23	-1.6607	304	-1.4566	305	-1.5179	305	-1.2934	308
24	-1.6124	305	-1.4098	305	-1.4671	305	-1.2451	310
25	-1.5654	305	-1.3641	305	-1.4177	305	-1.1979	312
26	-1.5194	305	-1.3193	307	-1.3694	305	-1.1517	314
27	-1.4744	305	-1.2753	309	-1.3221	307	-1.1064	316
28	-1.4302	305	-1.2322	311	-1.2756	309	-1.0619	318
29	-1.3868	305	-1.1896	313	-1.2300	311	-1.0181	320
30	-1.3440	306	-1.1477	314	-1.1851	313	-0.9749	322
31	-1.3019	308	-1.1063	316	-1.1408	315	-0.9322	324
32	-1.2603	310	-1.0653	318	-1.0971	316	-0.8900	325
33	-1.2191	311	-1.0246	320	-1.0539	318	-0.8482	327
34	-1.1783	313	-0.9844	321	-1.0110	320	-0.8067	329
35	-1.1378	315	-0.9443	323	-0.9685	322	-0.7655	331
36	-1.0977	316	-0.9045	324	-0.9263	324	-0.7245	332
37	-1.0577	318	-0.8648	326	-0.8844	326	-0.6837	334
38	-1.0179	320	-0.8253	328	-0.8426	327	-0.6431	336
39	-0.9783	322	-0.7858	330	-0.8009	329	-0.6024	338
40	-0.9387	323	-0.7463	331	-0.7593	331	-0.5619	339
41	-0.8991	324	-0.7069	333	-0.7178	333	-0.5213	341
42	-0.8595	327	-0.6673	335	-0.6762	334	-0.4806	343
43	-0.8199	328	-0.6276	336	-0.6345	336	-0.4399	344
44	-0.7801	330	-0.5878	338	-0.5928	338	-0.3990	346
45	-0.7402	332	-0.5477	340	-0.5508	340	-0.3579	348
46	-0.7000	333	-0.5074	342	-0.5087	341	-0.3166	350
47	-0.6596	335	-0.4669	343	-0.4662	343	-0.2750	351
48	-0.6189	337	-0.4259	345	-0.4235	345	-0.2331	353

(cont'd)

Raw Score	Reading/Writing Sessions 1&2/1&2		Reading/Writing Sessions 2&3/1&2		Reading/Writing Sessions 1&2/2&3		Reading/Writing Sessions 2&3/2&3	
	Theta	SS	Theta	SS	Theta	SS	Theta	SS
49	-0.5778	339	-0.3846	347	-0.3803	347	-0.1908	355
50	-0.5363	340	-0.3428	348	-0.3368	348	-0.1481	357
51	-0.4943	342	-0.3006	350	-0.2927	351	-0.1050	359
52	-0.4518	344	-0.2577	352	-0.2481	353	-0.0613	361
53	-0.4086	346	-0.2143	354	-0.2029	354	-0.0171	362
54	-0.3648	348	-0.1702	356	-0.1571	356	0.0278	364
55	-0.3203	350	-0.1253	358	-0.1104	358	0.0734	366
56	-0.2749	351	-0.0796	360	-0.0630	360	0.1197	368
57	-0.2286	353	-0.0330	362	-0.0146	362	0.1668	370
58	-0.1812	355	0.0145	364	0.0348	365	0.2149	372
59	-0.1328	357	0.0632	366	0.0853	367	0.2640	374
60	-0.0831	360	0.1130	368	0.1369	369	0.3141	376
61	-0.0320	362	0.1642	370	0.1899	371	0.3655	379
62	0.0206	364	0.2168	372	0.2444	373	0.4181	381
63	0.0749	366	0.2710	374	0.3004	376	0.4722	383
64	0.1310	369	0.3269	377	0.3581	378	0.5279	386
65	0.1893	371	0.3849	379	0.4178	381	0.5854	388
66	0.2499	374	0.4450	382	0.4796	383	0.6447	390
67	0.3132	376	0.5075	385	0.5438	386	0.7062	393
68	0.3794	379	0.5729	387	0.6105	389	0.7701	395
69	0.4490	382	0.6414	390	0.6801	392	0.8367	395
70	0.5224	385	0.7134	393	0.7529	395	0.9062	395
71	0.6002	389	0.7896	395	0.8293	395	0.9791	395
72	0.6831	392	0.8706	395	0.9097	395	1.0558	395
73	0.7720	395	0.9572	395	0.9947	395	1.1368	396
74	0.8679	395	1.0504	395	1.0850	396	1.2229	396
75	0.9722	395	1.1516	396	1.1812	396	1.3147	396
76	1.0868	395	1.2626	396	1.2844	396	1.4133	396
77	1.2139	396	1.3856	396	1.3958	396	1.5199	396
78	1.3571	396	1.5241	396	1.5171	396	1.6363	396
79	1.5211	396	1.6829	396	1.6506	396	1.7646	397
80	1.7136	396	1.8694	397	1.7993	397	1.9082	397
81	1.9470	397	2.0961	397	1.9679	397	2.0716	397
82	2.2447	397	2.3865	397	2.1636	397	2.2622	397
83	2.6591	398	2.7928	398	2.3986	398	2.4921	398
84	3.3582	399	3.4829	399	2.6960	398	2.7847	398
85	4.0000	400	4.0000	400	3.1083	399	3.1923	399
86					3.8037	400	3.8832	400
87					4.0000	400	4.0000	400

SS = scaled score

**Table C-4. 2004–2008 MEPA: Composite Raw Score
Correspondence for Reading/Writing—Grade Span 3–4, Spring 2006**

Raw Score	Reading/Writing Sessions 1&2/1&2		Reading/Writing Sessions 2&3/1&2		Reading/Writing Sessions 1&2/2&3		Reading/Writing Sessions 2&3/2&3	
	Theta	SS	Theta	SS	Theta	SS	Theta	SS
0	-4.0000	300	-4.0000	300	-4.0000	300	-4.0000	300
1	-4.0000	300	-4.0000	300	-4.0000	300	-4.0000	300
2	-3.8822	300	-3.7335	301	-3.8314	300	-3.6621	301
3	-3.5326	301	-3.3649	301	-3.4703	301	-3.2748	301
4	-3.2859	301	-3.1065	302	-3.2140	302	-3.0018	302
5	-3.0941	302	-2.9072	302	-3.0139	302	-2.7907	302
6	-2.9365	302	-2.7447	302	-2.8485	302	-2.6183	303
7	-2.8019	302	-2.6072	303	-2.7070	302	-2.4724	303
8	-2.6841	303	-2.4876	303	-2.5826	303	-2.3456	303
9	-2.5790	303	-2.3816	303	-2.4712	303	-2.2332	303
10	-2.4838	303	-2.2860	303	-2.3701	303	-2.1321	304
11	-2.3965	303	-2.1988	303	-2.2773	303	-2.0399	304
12	-2.3157	303	-2.1183	304	-2.1913	303	-1.9550	304
13	-2.2404	303	-2.0435	304	-2.1110	304	-1.8761	304
14	-2.1696	304	-1.9734	304	-2.0355	304	-1.8023	304
15	-2.1028	304	-1.9073	304	-1.9642	304	-1.7329	304
16	-2.0394	304	-1.8446	304	-1.8966	304	-1.6671	304
17	-1.9789	304	-1.7849	304	-1.8321	304	-1.6045	305
18	-1.9210	304	-1.7278	304	-1.7703	304	-1.5447	305
19	-1.8654	304	-1.6729	304	-1.7111	304	-1.4874	305
20	-1.8118	304	-1.6199	305	-1.6540	305	-1.4322	305
21	-1.7600	304	-1.5688	305	-1.5989	305	-1.3789	305
22	-1.7098	304	-1.5191	305	-1.5456	305	-1.3273	307
23	-1.6611	304	-1.4709	305	-1.4938	305	-1.2772	309
24	-1.6136	305	-1.4239	305	-1.4434	305	-1.2284	311
25	-1.5673	305	-1.3779	305	-1.3943	305	-1.1808	313
26	-1.5220	305	-1.3329	306	-1.3464	306	-1.1343	315
27	-1.4777	305	-1.2888	308	-1.2994	308	-1.0887	317
28	-1.4342	305	-1.2455	310	-1.2534	310	-1.0440	319
29	-1.3915	305	-1.2029	312	-1.2083	312	-1.0001	321
30	-1.3494	306	-1.1608	314	-1.1639	314	-0.9569	322
31	-1.3079	308	-1.1193	316	-1.1201	316	-0.9142	324
32	-1.2670	309	-1.0782	317	-1.0770	317	-0.8721	326
33	-1.2265	311	-1.0376	319	-1.0343	319	-0.8305	328
34	-1.1864	313	-0.9973	321	-0.9921	321	-0.7893	330
35	-1.1466	314	-0.9573	322	-0.9504	323	-0.7484	331
36	-1.1071	316	-0.9175	324	-0.9089	324	-0.7078	333
37	-1.0679	318	-0.8779	326	-0.8678	326	-0.6675	335
38	-1.0289	319	-0.8385	327	-0.8269	328	-0.6274	336
39	-0.9900	321	-0.7991	329	-0.7861	330	-0.5875	338
40	-0.9512	323	-0.7598	331	-0.7455	331	-0.5476	340
41	-0.9124	324	-0.7205	332	-0.7050	333	-0.5079	342
42	-0.8737	326	-0.6812	334	-0.6646	335	-0.4681	343
43	-0.8349	328	-0.6418	336	-0.6241	337	-0.4283	345
44	-0.7960	329	-0.6023	338	-0.5836	338	-0.3885	347
45	-0.7570	331	-0.5626	339	-0.5429	340	-0.3486	348
46	-0.7178	333	-0.5227	341	-0.5022	342	-0.3085	350
47	-0.6784	334	-0.4826	343	-0.4612	344	-0.2682	352
48	-0.6387	336	-0.4422	344	-0.4200	345	-0.2276	353

(cont'd)

Raw Score	Reading/Writing Sessions 1&2/1&2		Reading/Writing Sessions 2&3/1&2		Reading/Writing Sessions 1&2/2&3		Reading/Writing Sessions 2&3/2&3	
	Theta	SS	Theta	SS	Theta	SS	Theta	SS
49	-0.5986	338	-0.4014	346	-0.3785	347	-0.1868	355
50	-0.5582	339	-0.3602	348	-0.3367	348	-0.1456	357
51	-0.5174	341	-0.3186	350	-0.2945	351	-0.1040	359
52	-0.4761	343	-0.2764	351	-0.2518	352	-0.0620	360
53	-0.4342	345	-0.2337	353	-0.2087	354	-0.0195	362
54	-0.3917	346	-0.1903	355	-0.1649	356	0.0236	364
55	-0.3485	348	-0.1463	357	-0.1206	358	0.0673	366
56	-0.3045	350	-0.1014	359	-0.0755	360	0.1117	368
57	-0.2597	352	-0.0557	361	-0.0297	362	0.1569	370
58	-0.2139	354	-0.0090	363	0.0170	364	0.2029	372
59	-0.1671	356	0.0387	365	0.0647	366	0.2499	374
60	-0.1192	358	0.0877	367	0.1134	368	0.2979	376
61	-0.0699	360	0.1379	369	0.1632	370	0.3471	378
62	-0.0193	362	0.1895	371	0.2143	372	0.3975	380
63	0.0329	365	0.2428	373	0.2668	374	0.4493	382
64	0.0869	367	0.2979	376	0.3208	377	0.5025	384
65	0.1428	369	0.3549	378	0.3764	379	0.5575	387
66	0.2009	372	0.4142	381	0.4340	382	0.6143	389
67	0.2614	374	0.4759	383	0.4936	384	0.6732	392
68	0.3248	377	0.5405	386	0.5556	387	0.7343	394
69	0.3912	380	0.6083	389	0.6201	389	0.7980	395
70	0.4613	383	0.6797	392	0.6874	392	0.8645	395
71	0.5354	386	0.7554	395	0.7581	395	0.9341	395
72	0.6144	389	0.8358	395	0.8323	395	1.0074	395
73	0.6990	393	0.9218	395	0.9108	395	1.0847	395
74	0.7902	395	1.0145	395	0.9941	395	1.1668	396
75	0.8894	395	1.1151	396	1.0830	396	1.2543	396
76	0.9983	395	1.2252	396	1.1785	396	1.3483	396
77	1.1192	396	1.3471	396	1.2817	396	1.4498	396
78	1.2556	396	1.4840	396	1.3945	396	1.5606	396
79	1.4121	396	1.6403	396	1.5189	396	1.6829	396
80	1.5962	396	1.8233	397	1.6582	396	1.8197	397
81	1.8204	397	2.0450	397	1.8171	397	1.9757	397
82	2.1079	397	2.3281	397	2.0026	397	2.1581	397
83	2.5110	398	2.7244	398	2.2272	397	2.3790	397
84	3.1972	399	3.4007	399	2.5139	398	2.6615	398
85	4.0000	400	4.0000	400	2.9149	398	3.0577	399
86					3.5982	399	3.7355	400
87					4.0000	400	4.0000	400

SS = scaled score

**Table C-5. 2004–2008 MEPA: Composite Raw Score
Correspondence for Reading/Writing—Grade Span 3–4, Fall 2006**

Raw Score	Reading/Writing Sessions 1&2/1&2		Reading/Writing Sessions 2&3/1&2		Reading/Writing Sessions 1&2/2&3		Reading/Writing Sessions 2&3/2&3	
	Theta	SS	Theta	SS	Theta	SS	Theta	SS
0	-4.0000	300	-4.0000	300	-4.0000	300	-4.0000	300
1	-4.0000	300	-4.0000	300	-4.0000	300	-4.0000	300
2	-3.8822	300	-3.7335	301	-3.8314	300	-3.6621	301
3	-3.5326	301	-3.3649	301	-3.4703	301	-3.2748	301
4	-3.2859	301	-3.1065	302	-3.2140	302	-3.0018	302
5	-3.0941	302	-2.9072	302	-3.0139	302	-2.7907	302
6	-2.9365	302	-2.7447	302	-2.8485	302	-2.6183	303
7	-2.8019	302	-2.6072	303	-2.7070	302	-2.4724	303
8	-2.6841	303	-2.4876	303	-2.5826	303	-2.3456	303
9	-2.5790	303	-2.3816	303	-2.4712	303	-2.2332	303
10	-2.4838	303	-2.2860	303	-2.3701	303	-2.1321	304
11	-2.3965	303	-2.1988	303	-2.2773	303	-2.0399	304
12	-2.3157	303	-2.1183	304	-2.1913	303	-1.9550	304
13	-2.2404	303	-2.0435	304	-2.1110	304	-1.8761	304
14	-2.1696	304	-1.9734	304	-2.0355	304	-1.8023	304
15	-2.1028	304	-1.9073	304	-1.9642	304	-1.7329	304
16	-2.0394	304	-1.8446	304	-1.8966	304	-1.6671	304
17	-1.9789	304	-1.7849	304	-1.8321	304	-1.6045	305
18	-1.9210	304	-1.7278	304	-1.7703	304	-1.5447	305
19	-1.8654	304	-1.6729	304	-1.7111	304	-1.4874	305
20	-1.8118	304	-1.6199	305	-1.6540	305	-1.4322	305
21	-1.7600	304	-1.5688	305	-1.5989	305	-1.3789	305
22	-1.7098	304	-1.5191	305	-1.5456	305	-1.3273	307
23	-1.6611	304	-1.4709	305	-1.4938	305	-1.2772	309
24	-1.6136	305	-1.4239	305	-1.4434	305	-1.2284	311
25	-1.5673	305	-1.3779	305	-1.3943	305	-1.1808	313
26	-1.5220	305	-1.3329	306	-1.3464	306	-1.1343	315
27	-1.4777	305	-1.2888	308	-1.2994	308	-1.0887	317
28	-1.4342	305	-1.2455	310	-1.2534	310	-1.0440	319
29	-1.3915	305	-1.2029	312	-1.2083	312	-1.0001	321
30	-1.3494	306	-1.1608	314	-1.1639	314	-0.9569	322
31	-1.3079	308	-1.1193	316	-1.1201	316	-0.9142	324
32	-1.2670	309	-1.0782	317	-1.0770	317	-0.8721	326
33	-1.2265	311	-1.0376	319	-1.0343	319	-0.8305	328
34	-1.1864	313	-0.9973	321	-0.9921	321	-0.7893	330
35	-1.1466	314	-0.9573	322	-0.9504	323	-0.7484	331
36	-1.1071	316	-0.9175	324	-0.9089	324	-0.7078	333
37	-1.0679	318	-0.8779	326	-0.8678	326	-0.6675	335
38	-1.0289	319	-0.8385	327	-0.8269	328	-0.6274	336
39	-0.9900	321	-0.7991	329	-0.7861	330	-0.5875	338
40	-0.9512	323	-0.7598	331	-0.7455	331	-0.5476	340
41	-0.9124	324	-0.7205	332	-0.7050	333	-0.5079	342
42	-0.8737	326	-0.6812	334	-0.6646	335	-0.4681	343
43	-0.8349	328	-0.6418	336	-0.6241	337	-0.4283	345
44	-0.7960	329	-0.6023	338	-0.5836	338	-0.3885	347
45	-0.7570	331	-0.5626	339	-0.5429	340	-0.3486	348
46	-0.7178	333	-0.5227	341	-0.5022	342	-0.3085	350
47	-0.6784	334	-0.4826	343	-0.4612	344	-0.2682	352
48	-0.6387	336	-0.4422	344	-0.4200	345	-0.2276	353

(cont'd)

Raw Score	Reading/Writing Sessions 1&2/1&2		Reading/Writing Sessions 2&3/1&2		Reading/Writing Sessions 1&2/2&3		Reading/Writing Sessions 2&3/2&3	
	Theta	SS	Theta	SS	Theta	SS	Theta	SS
49	-0.5986	338	-0.4014	346	-0.3785	347	-0.1868	355
50	-0.5582	339	-0.3602	348	-0.3367	348	-0.1456	357
51	-0.5174	341	-0.3186	350	-0.2945	351	-0.1040	359
52	-0.4761	343	-0.2764	351	-0.2518	352	-0.0620	360
53	-0.4342	345	-0.2337	353	-0.2087	354	-0.0195	362
54	-0.3917	346	-0.1903	355	-0.1649	356	0.0236	364
55	-0.3485	348	-0.1463	357	-0.1206	358	0.0673	366
56	-0.3045	350	-0.1014	359	-0.0755	360	0.1117	368
57	-0.2597	352	-0.0557	361	-0.0297	362	0.1569	370
58	-0.2139	354	-0.0090	363	0.0170	364	0.2029	372
59	-0.1671	356	0.0387	365	0.0647	366	0.2499	374
60	-0.1192	358	0.0877	367	0.1134	368	0.2979	376
61	-0.0699	360	0.1379	369	0.1632	370	0.3471	378
62	-0.0193	362	0.1895	371	0.2143	372	0.3975	380
63	0.0329	365	0.2428	373	0.2668	374	0.4493	382
64	0.0869	367	0.2979	376	0.3208	377	0.5025	384
65	0.1428	369	0.3549	378	0.3764	379	0.5575	387
66	0.2009	372	0.4142	381	0.4340	382	0.6143	389
67	0.2614	374	0.4759	383	0.4936	384	0.6732	392
68	0.3248	377	0.5405	386	0.5556	387	0.7343	394
69	0.3912	380	0.6083	389	0.6201	389	0.7980	395
70	0.4613	383	0.6797	392	0.6874	392	0.8645	395
71	0.5354	386	0.7554	395	0.7581	395	0.9341	395
72	0.6144	389	0.8358	395	0.8323	395	1.0074	395
73	0.6990	393	0.9218	395	0.9108	395	1.0847	395
74	0.7902	395	1.0145	395	0.9941	395	1.1668	396
75	0.8894	395	1.1151	396	1.0830	396	1.2543	396
76	0.9983	395	1.2252	396	1.1785	396	1.3483	396
77	1.1192	396	1.3471	396	1.2817	396	1.4498	396
78	1.2556	396	1.4840	396	1.3945	396	1.5606	396
79	1.4121	396	1.6403	396	1.5189	396	1.6829	396
80	1.5962	396	1.8233	397	1.6582	396	1.8197	397
81	1.8204	397	2.0450	397	1.8171	397	1.9757	397
82	2.1079	397	2.3281	397	2.0026	397	2.1581	397
83	2.5110	398	2.7244	398	2.2272	397	2.3790	397
84	3.1972	399	3.4007	399	2.5139	398	2.6615	398
85	4.0000	400	4.0000	400	2.9149	398	3.0577	399
86					3.5982	399	3.7355	400
87					4.0000	400	4.0000	400

SS = scaled score

**Table C-6. 2004–2008 MEPA: Composite Raw Score
Correspondence for Reading/Writing—Grade Span 3–4, Spring 2007**

Raw Score	Reading/Writing Sessions 1&2/1&2		Reading/Writing Sessions 2&3/1&2		Reading/Writing Sessions 1&2/2&3		Reading/Writing Sessions 2&3/2&3	
	Theta	SS	Theta	SS	Theta	SS	Theta	SS
0	-4.0000	300	-4.0000	300	-4.0000	300	-4.0000	300
1	-4.0000	300	-4.0000	300	-4.0000	300	-4.0000	300
2	-3.9080	300	-3.7252	301	-3.8774	300	-3.6764	301
3	-3.5610	301	-3.3590	301	-3.5192	301	-3.2922	301
4	-3.3148	301	-3.1025	302	-3.2637	301	-3.0217	302
5	-3.1225	302	-2.9050	302	-3.0632	302	-2.8129	302
6	-2.9639	302	-2.7441	302	-2.8970	302	-2.6425	303
7	-2.8284	302	-2.6080	303	-2.7545	302	-2.4984	303
8	-2.7095	302	-2.4898	303	-2.6291	303	-2.3731	303
9	-2.6034	303	-2.3850	303	-2.5169	303	-2.2621	303
10	-2.5073	303	-2.2905	303	-2.4150	303	-2.1621	304
11	-2.4193	303	-2.2044	303	-2.3215	303	-2.0709	304
12	-2.3379	303	-2.1250	304	-2.2349	303	-1.9869	304
13	-2.2620	303	-2.0511	304	-2.1541	304	-1.9088	304
14	-2.1908	303	-1.9819	304	-2.0782	304	-1.8357	304
15	-2.1237	304	-1.9167	304	-2.0066	304	-1.7668	304
16	-2.0600	304	-1.8548	304	-1.9386	304	-1.7015	304
17	-1.9993	304	-1.7958	304	-1.8738	304	-1.6394	305
18	-1.9412	304	-1.7394	304	-1.8117	304	-1.5799	305
19	-1.8855	304	-1.6852	304	-1.7522	304	-1.5227	305
20	-1.8318	304	-1.6329	305	-1.6949	304	-1.4677	305
21	-1.7800	304	-1.5824	305	-1.6394	305	-1.4145	305
22	-1.7298	304	-1.5333	305	-1.5858	305	-1.3629	305
23	-1.6810	304	-1.4856	305	-1.5337	305	-1.3127	307
24	-1.6336	304	-1.4391	305	-1.4830	305	-1.2639	309
25	-1.5873	305	-1.3937	305	-1.4336	305	-1.2161	311
26	-1.5421	305	-1.3491	306	-1.3852	305	-1.1694	313
27	-1.4978	305	-1.3055	308	-1.3379	306	-1.1236	315
28	-1.4543	305	-1.2625	309	-1.2915	308	-1.0786	317
29	-1.4116	305	-1.2202	311	-1.2460	310	-1.0344	319
30	-1.3695	305	-1.1785	313	-1.2011	312	-0.9908	321
31	-1.3281	307	-1.1373	315	-1.1569	314	-0.9477	323
32	-1.2871	308	-1.0965	317	-1.1133	316	-0.9051	324
33	-1.2467	310	-1.0561	318	-1.0703	318	-0.8630	326
34	-1.2066	312	-1.0160	320	-1.0276	319	-0.8213	328
35	-1.1668	314	-0.9761	322	-0.9854	321	-0.7798	330
36	-1.1274	315	-0.9365	323	-0.9435	323	-0.7387	332
37	-1.0882	317	-0.8970	324	-0.9018	324	-0.6977	333
38	-1.0492	319	-0.8577	327	-0.8604	327	-0.6569	335
39	-1.0103	320	-0.8184	328	-0.8192	328	-0.6163	337
40	-0.9715	322	-0.7791	330	-0.7781	330	-0.5757	339
41	-0.9328	323	-0.7398	332	-0.7371	332	-0.5351	340
42	-0.8941	325	-0.7005	333	-0.6961	334	-0.4945	342
43	-0.8553	327	-0.6610	335	-0.6552	335	-0.4539	344
44	-0.8165	328	-0.6213	337	-0.6141	337	-0.4131	346
45	-0.7775	330	-0.5815	338	-0.5730	339	-0.3722	347
46	-0.7383	332	-0.5414	340	-0.5317	341	-0.3312	348
47	-0.6989	333	-0.5010	342	-0.4902	342	-0.2898	351
48	-0.6593	335	-0.4603	344	-0.4485	344	-0.2482	353

(cont'd)

Raw Score	Reading/Writing Sessions 1&2/1&2		Reading/Writing Sessions 2&3/1&2		Reading/Writing Sessions 1&2/2&3		Reading/Writing Sessions 2&3/2&3	
	Theta	SS	Theta	SS	Theta	SS	Theta	SS
49	-0.6193	337	-0.4192	345	-0.4065	346	-0.2062	354
50	-0.5790	339	-0.3776	347	-0.3641	348	-0.1639	356
51	-0.5382	340	-0.3355	348	-0.3214	349	-0.1211	358
52	-0.4969	342	-0.2929	351	-0.2781	351	-0.0778	360
53	-0.4551	344	-0.2496	353	-0.2344	353	-0.0340	362
54	-0.4127	346	-0.2057	354	-0.1900	355	0.0104	364
55	-0.3695	347	-0.1609	356	-0.1450	357	0.0556	365
56	-0.3256	349	-0.1153	358	-0.0993	359	0.1015	367
57	-0.2809	351	-0.0688	360	-0.0528	361	0.1482	369
58	-0.2352	353	-0.0212	362	-0.0054	363	0.1958	371
59	-0.1885	355	0.0275	364	0.0430	365	0.2445	373
60	-0.1406	357	0.0775	366	0.0925	367	0.2942	376
61	-0.0914	359	0.1289	369	0.1432	369	0.3451	378
62	-0.0408	361	0.1818	371	0.1951	371	0.3974	380
63	0.0114	364	0.2365	373	0.2485	374	0.4511	382
64	0.0654	366	0.2931	376	0.3035	376	0.5064	385
65	0.1214	368	0.3517	378	0.3603	378	0.5634	387
66	0.1796	371	0.4128	381	0.4189	381	0.6224	390
67	0.2403	373	0.4765	383	0.4798	383	0.6836	392
68	0.3038	376	0.5433	386	0.5429	386	0.7471	395
69	0.3705	379	0.6134	389	0.6088	389	0.8133	395
70	0.4410	382	0.6875	392	0.6776	392	0.8824	395
71	0.5156	385	0.7660	395	0.7497	395	0.9549	395
72	0.5952	388	0.8497	395	0.8255	395	1.0311	395
73	0.6806	392	0.9394	395	0.9057	395	1.1115	395
74	0.7727	395	1.0363	395	0.9907	395	1.1969	396
75	0.8731	395	1.1416	396	1.0813	395	1.2880	396
76	0.9834	395	1.2573	396	1.1786	396	1.3857	396
77	1.1061	396	1.3857	396	1.2837	396	1.4914	396
78	1.2445	396	1.5301	396	1.3983	396	1.6067	396
79	1.4035	396	1.6954	396	1.5246	396	1.7338	396
80	1.5907	396	1.8891	397	1.6657	396	1.8759	397
81	1.8186	397	2.1235	397	1.8263	397	2.0378	397
82	2.1105	397	2.4220	398	2.0135	397	2.2267	397
83	2.5190	398	2.8368	398	2.2395	397	2.4549	398
84	3.2117	399	3.5359	399	2.5273	398	2.7457	398
85	4.0000	400	4.0000	400	2.9292	398	3.1516	399
86					3.6131	399	3.8409	400
87					4.0000	400	4.0000	400

SS = scaled score

**Table C-7. 2004–2008 MEPA: Composite Raw Score
Correspondence for Reading/Writing—Grade Span 3–4, Fall 2007**

Raw Score	Reading/Writing Sessions 1&2/1&2		Reading/Writing Sessions 2&3/1&2		Reading/Writing Sessions 1&2/2&3		Reading/Writing Sessions 2&3/2&3	
	Theta	SS	Theta	SS	Theta	SS	Theta	SS
0	-4.0000	300	-4.0000	300	-4.0000	300	-4.0000	300
1	-4.0000	300	-4.0000	300	-4.0000	300	-4.0000	300
2	-3.9439	300	-3.7090	301	-3.9015	300	-3.6407	301
3	-3.5931	301	-3.3413	301	-3.5414	301	-3.2578	301
4	-3.3413	301	-3.0836	302	-3.2812	301	-2.9884	302
5	-3.1432	302	-2.8851	302	-3.0755	302	-2.7806	302
6	-2.9792	302	-2.7233	302	-2.9044	302	-2.6111	303
7	-2.8388	302	-2.5864	303	-2.7575	302	-2.4678	303
8	-2.7158	302	-2.4674	303	-2.6284	303	-2.3433	303
9	-2.6060	303	-2.3619	303	-2.5130	303	-2.2330	303
10	-2.5067	303	-2.2668	303	-2.4086	303	-2.1338	304
11	-2.4159	303	-2.1801	303	-2.3130	303	-2.0434	304
12	-2.3320	303	-2.1001	304	-2.2247	303	-1.9601	304
13	-2.2541	303	-2.0258	304	-2.1425	304	-1.8828	304
14	-2.1810	303	-1.9561	304	-2.0655	304	-1.8104	304
15	-2.1122	304	-1.8904	304	-1.9930	304	-1.7422	304
16	-2.0470	304	-1.8281	304	-1.9243	304	-1.6776	304
17	-1.9849	304	-1.7688	304	-1.8590	304	-1.6161	305
18	-1.9257	304	-1.7120	304	-1.7966	304	-1.5573	305
19	-1.8688	304	-1.6574	304	-1.7368	304	-1.5008	305
20	-1.8142	304	-1.6048	305	-1.6793	304	-1.4465	305
21	-1.7614	304	-1.5539	305	-1.6238	305	-1.3939	305
22	-1.7103	304	-1.5046	305	-1.5700	305	-1.3429	306
23	-1.6607	304	-1.4566	305	-1.5179	305	-1.2934	308
24	-1.6124	305	-1.4098	305	-1.4671	305	-1.2451	310
25	-1.5654	305	-1.3641	305	-1.4177	305	-1.1979	312
26	-1.5194	305	-1.3193	307	-1.3694	305	-1.1517	314
27	-1.4744	305	-1.2753	309	-1.3221	307	-1.1064	316
28	-1.4302	305	-1.2322	311	-1.2756	309	-1.0619	318
29	-1.3868	305	-1.1896	313	-1.2300	311	-1.0181	320
30	-1.3440	306	-1.1477	314	-1.1851	313	-0.9749	322
31	-1.3019	308	-1.1063	316	-1.1408	315	-0.9322	324
32	-1.2603	310	-1.0653	318	-1.0971	316	-0.8900	325
33	-1.2191	311	-1.0246	320	-1.0539	318	-0.8482	327
34	-1.1783	313	-0.9844	321	-1.0110	320	-0.8067	329
35	-1.1378	315	-0.9443	323	-0.9685	322	-0.7655	331
36	-1.0977	316	-0.9045	324	-0.9263	324	-0.7245	332
37	-1.0577	318	-0.8648	326	-0.8844	326	-0.6837	334
38	-1.0179	320	-0.8253	328	-0.8426	327	-0.6431	336
39	-0.9783	322	-0.7858	330	-0.8009	329	-0.6024	338
40	-0.9387	323	-0.7463	331	-0.7593	331	-0.5619	339
41	-0.8991	324	-0.7069	333	-0.7178	333	-0.5213	341
42	-0.8595	327	-0.6673	335	-0.6762	334	-0.4806	343
43	-0.8199	328	-0.6276	336	-0.6345	336	-0.4399	344
44	-0.7801	330	-0.5878	338	-0.5928	338	-0.3990	346
45	-0.7402	332	-0.5477	340	-0.5508	340	-0.3579	348
46	-0.7000	333	-0.5074	342	-0.5087	341	-0.3166	350
47	-0.6596	335	-0.4669	343	-0.4662	343	-0.2750	351
48	-0.6189	337	-0.4259	345	-0.4235	345	-0.2331	353

(cont'd)

Raw Score	Reading/Writing Sessions 1&2/1&2		Reading/Writing Sessions 2&3/1&2		Reading/Writing Sessions 1&2/2&3		Reading/Writing Sessions 2&3/2&3	
	Theta	SS	Theta	SS	Theta	SS	Theta	SS
49	-0.5778	339	-0.3846	347	-0.3803	347	-0.1908	355
50	-0.5363	340	-0.3428	348	-0.3368	348	-0.1481	357
51	-0.4943	342	-0.3006	350	-0.2927	351	-0.1050	359
52	-0.4518	344	-0.2577	352	-0.2481	353	-0.0613	361
53	-0.4086	346	-0.2143	354	-0.2029	354	-0.0171	362
54	-0.3648	348	-0.1702	356	-0.1571	356	0.0278	364
55	-0.3203	350	-0.1253	358	-0.1104	358	0.0734	366
56	-0.2749	351	-0.0796	360	-0.0630	360	0.1197	368
57	-0.2286	353	-0.0330	362	-0.0146	362	0.1668	370
58	-0.1812	355	0.0145	364	0.0348	365	0.2149	372
59	-0.1328	357	0.0632	366	0.0853	367	0.2640	374
60	-0.0831	360	0.1130	368	0.1369	369	0.3141	376
61	-0.0320	362	0.1642	370	0.1899	371	0.3655	379
62	0.0206	364	0.2168	372	0.2444	373	0.4181	381
63	0.0749	366	0.2710	374	0.3004	376	0.4722	383
64	0.1310	369	0.3269	377	0.3581	378	0.5279	386
65	0.1893	371	0.3849	379	0.4178	381	0.5854	388
66	0.2499	374	0.4450	382	0.4796	383	0.6447	390
67	0.3132	376	0.5075	385	0.5438	386	0.7062	393
68	0.3794	379	0.5729	387	0.6105	389	0.7701	395
69	0.4490	382	0.6414	390	0.6801	392	0.8367	395
70	0.5224	385	0.7134	393	0.7529	395	0.9062	395
71	0.6002	389	0.7896	395	0.8293	395	0.9791	395
72	0.6831	392	0.8706	395	0.9097	395	1.0558	395
73	0.7720	396	0.9572	395	0.9947	395	1.1368	396
74	0.8679	395	1.0504	395	1.0850	395	1.2229	396
75	0.9722	395	1.1516	396	1.1812	396	1.3147	396
76	1.0868	395	1.2626	396	1.2844	396	1.4133	396
77	1.2139	396	1.3856	396	1.3958	396	1.5199	396
78	1.3571	396	1.5241	396	1.5171	396	1.6363	396
79	1.5211	396	1.6829	396	1.6506	396	1.7646	397
80	1.7136	396	1.8694	397	1.7993	397	1.9082	397
81	1.9470	397	2.0961	397	1.9679	397	2.0716	397
82	2.2447	397	2.3865	397	2.1636	397	2.2622	397
83	2.6591	398	2.7928	398	2.3986	398	2.4921	398
84	3.3582	399	3.4829	399	2.6960	398	2.7847	398
85	4.0000	400	4.0000	400	3.1083	399	3.1923	399
86					3.8037	400	3.8832	400
87					4.0000	400	4.0000	400

SS = scaled score

**Table C-8. 2004–2008 MEPA: Composite Raw Score
Correspondence for Reading/Writing—Grade Span 3–4, Spring 2008**

Raw Score	Reading/Writing Sessions 1&2/1&2		Reading/Writing Sessions 2&3/1&2		Reading/Writing Sessions 1&2/2&3		Reading/Writing Sessions 2&3/2&3	
	Theta	SS	Theta	SS	Theta	SS	Theta	SS
0	-4.0000	300	-4.0000	300	-4.0000	300	-4.0000	300
1	-4.0000	300	-4.0000	300	-4.0000	300	-4.0000	300
2	-3.8822	300	-3.7335	301	-3.8314	300	-3.6621	301
3	-3.5326	301	-3.3649	301	-3.4703	301	-3.2748	301
4	-3.2859	301	-3.1065	302	-3.2140	302	-3.0018	302
5	-3.0941	302	-2.9072	302	-3.0139	302	-2.7907	302
6	-2.9365	302	-2.7447	302	-2.8485	302	-2.6183	303
7	-2.8019	302	-2.6072	303	-2.7070	302	-2.4724	303
8	-2.6841	303	-2.4876	303	-2.5826	303	-2.3456	303
9	-2.5790	303	-2.3816	303	-2.4712	303	-2.2332	303
10	-2.4838	303	-2.2860	303	-2.3701	303	-2.1321	304
11	-2.3965	303	-2.1988	303	-2.2773	303	-2.0399	304
12	-2.3157	303	-2.1183	304	-2.1913	303	-1.9550	304
13	-2.2404	303	-2.0435	304	-2.1110	304	-1.8761	304
14	-2.1696	304	-1.9734	304	-2.0355	304	-1.8023	304
15	-2.1028	304	-1.9073	304	-1.9642	304	-1.7329	304
16	-2.0394	304	-1.8446	304	-1.8966	304	-1.6671	304
17	-1.9789	304	-1.7849	304	-1.8321	304	-1.6045	305
18	-1.9210	304	-1.7278	304	-1.7703	304	-1.5447	305
19	-1.8654	304	-1.6729	304	-1.7111	304	-1.4874	305
20	-1.8118	304	-1.6199	305	-1.6540	305	-1.4322	305
21	-1.7600	304	-1.5688	305	-1.5989	305	-1.3789	305
22	-1.7098	304	-1.5191	305	-1.5456	305	-1.3273	307
23	-1.6611	304	-1.4709	305	-1.4938	305	-1.2772	309
24	-1.6136	305	-1.4239	305	-1.4434	305	-1.2284	311
25	-1.5673	305	-1.3779	305	-1.3943	305	-1.1808	313
26	-1.5220	305	-1.3329	306	-1.3464	306	-1.1343	315
27	-1.4777	305	-1.2888	308	-1.2994	308	-1.0887	317
28	-1.4342	305	-1.2455	310	-1.2534	310	-1.0440	319
29	-1.3915	305	-1.2029	312	-1.2083	312	-1.0001	321
30	-1.3494	306	-1.1608	314	-1.1639	314	-0.9569	322
31	-1.3079	308	-1.1193	316	-1.1201	316	-0.9142	324
32	-1.2670	309	-1.0782	317	-1.0770	317	-0.8721	326
33	-1.2265	311	-1.0376	319	-1.0343	319	-0.8305	328
34	-1.1864	313	-0.9973	321	-0.9921	321	-0.7893	330
35	-1.1466	314	-0.9573	322	-0.9504	323	-0.7484	331
36	-1.1071	316	-0.9175	324	-0.9089	324	-0.7078	333
37	-1.0679	318	-0.8779	326	-0.8678	326	-0.6675	335
38	-1.0289	319	-0.8385	327	-0.8269	328	-0.6274	336
39	-0.9900	321	-0.7991	329	-0.7861	330	-0.5875	338
40	-0.9512	323	-0.7598	331	-0.7455	331	-0.5476	340
41	-0.9124	324	-0.7205	332	-0.7050	333	-0.5079	342
42	-0.8737	326	-0.6812	334	-0.6646	335	-0.4681	343
43	-0.8349	328	-0.6418	336	-0.6241	337	-0.4283	345
44	-0.7960	329	-0.6023	338	-0.5836	338	-0.3885	347
45	-0.7570	331	-0.5626	339	-0.5429	340	-0.3486	348
46	-0.7178	333	-0.5227	341	-0.5022	342	-0.3085	350
47	-0.6784	334	-0.4826	343	-0.4612	344	-0.2682	352
48	-0.6387	336	-0.4422	344	-0.4200	345	-0.2276	353

(cont'd)

Raw Score	Reading/Writing Sessions 1&2/1&2		Reading/Writing Sessions 2&3/1&2		Reading/Writing Sessions 1&2/2&3		Reading/Writing Sessions 2&3/2&3	
	Theta	SS	Theta	SS	Theta	SS	Theta	SS
49	-0.5986	338	-0.4014	346	-0.3785	347	-0.1868	355
50	-0.5582	339	-0.3602	348	-0.3367	348	-0.1456	357
51	-0.5174	341	-0.3186	350	-0.2945	351	-0.1040	359
52	-0.4761	343	-0.2764	351	-0.2518	352	-0.0620	360
53	-0.4342	345	-0.2337	353	-0.2087	354	-0.0195	362
54	-0.3917	346	-0.1903	355	-0.1649	356	0.0236	364
55	-0.3485	348	-0.1463	357	-0.1206	358	0.0673	366
56	-0.3045	350	-0.1014	359	-0.0755	360	0.1117	368
57	-0.2597	352	-0.0557	361	-0.0297	362	0.1569	370
58	-0.2139	354	-0.0090	363	0.0170	364	0.2029	372
59	-0.1671	356	0.0387	365	0.0647	366	0.2499	374
60	-0.1192	358	0.0877	367	0.1134	368	0.2979	376
61	-0.0699	360	0.1379	369	0.1632	370	0.3471	378
62	-0.0193	362	0.1895	371	0.2143	372	0.3975	380
63	0.0329	365	0.2428	373	0.2668	374	0.4493	382
64	0.0869	367	0.2979	376	0.3208	377	0.5025	384
65	0.1428	369	0.3549	378	0.3764	379	0.5575	387
66	0.2009	372	0.4142	381	0.4340	382	0.6143	389
67	0.2614	374	0.4759	383	0.4936	384	0.6732	392
68	0.3248	377	0.5405	386	0.5556	387	0.7343	394
69	0.3912	380	0.6083	389	0.6201	389	0.7980	395
70	0.4613	383	0.6797	392	0.6874	392	0.8645	395
71	0.5354	386	0.7554	395	0.7581	395	0.9341	395
72	0.6144	389	0.8358	395	0.8323	395	1.0074	395
73	0.6990	393	0.9218	395	0.9108	395	1.0847	395
74	0.7902	395	1.0145	395	0.9941	395	1.1668	396
75	0.8894	395	1.1151	396	1.0830	396	1.2543	396
76	0.9983	395	1.2252	396	1.1785	396	1.3483	396
77	1.1192	396	1.3471	396	1.2817	396	1.4498	396
78	1.2556	396	1.4840	396	1.3945	396	1.5606	396
79	1.4121	396	1.6403	396	1.5189	396	1.6829	396
80	1.5962	396	1.8233	397	1.6582	396	1.8197	397
81	1.8204	397	2.0450	397	1.8171	397	1.9757	397
82	2.1079	397	2.3281	397	2.0026	397	2.1581	397
83	2.5110	398	2.7244	398	2.2272	397	2.3790	397
84	3.1972	399	3.4007	399	2.5139	398	2.6615	398
85	4.0000	400	4.0000	400	2.9149	398	3.0577	399
86					3.5982	399	3.7355	400
87					4.0000	400	4.0000	400

SS = scaled score

**Table C-9. 2004-2008 MEPA: Composite Raw Score
Correspondence for Reading/Writing—Grade Span 5–6, Fall 2004**

Raw Score	Reading/Writing Sessions 1&2/1&2		Reading/Writing Sessions 2&3/1&2		Reading/Writing Sessions 1&2/2&3		Reading/Writing Sessions 2&3/2&3	
	Theta	SS	Theta	SS	Theta	SS	Theta	SS
0	-4.0000	300	-4.0000	300	-4.0000	300	-4.0000	300
1	-4.0000	300	-4.0000	300	-4.0000	300	-4.0000	300
2	-4.0000	300	-4.0000	300	-4.0000	300	-3.8503	300
3	-3.9096	300	-3.7175	301	-3.7336	301	-3.4639	301
4	-3.6635	301	-3.4632	301	-3.4739	301	-3.1915	302
5	-3.4710	301	-3.2644	301	-3.2706	301	-2.9808	302
6	-3.3118	301	-3.1000	302	-3.1025	302	-2.8088	302
7	-3.1750	302	-2.9590	302	-2.9584	302	-2.6631	303
8	-3.0546	302	-2.8350	302	-2.8317	302	-2.5365	303
9	-2.9464	302	-2.7238	302	-2.7184	302	-2.4242	303
10	-2.8479	302	-2.6227	303	-2.6155	303	-2.3232	303
11	-2.7570	302	-2.5296	303	-2.5210	303	-2.2311	303
12	-2.6725	302	-2.4433	303	-2.4336	303	-2.1464	303
13	-2.5933	303	-2.3625	303	-2.3519	303	-2.0677	304
14	-2.5186	303	-2.2864	303	-2.2753	303	-1.9940	304
15	-2.4476	303	-2.2144	303	-2.2028	303	-1.9247	304
16	-2.3801	303	-2.1460	304	-2.1341	304	-1.8590	304
17	-2.3154	303	-2.0806	304	-2.0686	304	-1.7966	304
18	-2.2533	303	-2.0179	304	-2.0059	304	-1.7369	304
19	-2.1934	303	-1.9577	304	-1.9457	304	-1.6797	304
20	-2.1356	303	-1.8996	304	-1.8877	304	-1.6246	304
21	-2.0796	304	-1.8434	304	-1.8317	304	-1.5714	305
22	-2.0252	304	-1.7890	304	-1.7774	304	-1.5198	305
23	-1.9723	304	-1.7361	304	-1.7248	304	-1.4698	305
24	-1.9207	304	-1.6846	304	-1.6735	304	-1.4211	305
25	-1.8703	304	-1.6343	304	-1.6235	304	-1.3735	305
26	-1.8210	304	-1.5852	305	-1.5747	305	-1.3271	305
27	-1.7726	304	-1.5371	305	-1.5269	305	-1.2815	306
28	-1.7252	304	-1.4900	305	-1.4800	305	-1.2368	308
29	-1.6785	304	-1.4436	305	-1.4339	305	-1.1929	310
30	-1.6326	304	-1.3980	305	-1.3886	305	-1.1496	312
31	-1.5873	305	-1.3531	305	-1.3439	305	-1.1069	313
32	-1.5426	305	-1.3088	305	-1.2998	305	-1.0647	315
33	-1.4984	305	-1.2649	307	-1.2562	307	-1.0230	317
34	-1.4547	305	-1.2216	309	-1.2131	309	-0.9816	318
35	-1.4113	305	-1.1786	310	-1.1703	311	-0.9406	320
36	-1.3683	305	-1.1360	312	-1.1279	312	-0.8998	322
37	-1.3256	305	-1.0937	314	-1.0857	314	-0.8592	323
38	-1.2831	306	-1.0516	316	-1.0438	316	-0.8188	325
39	-1.2409	308	-1.0096	317	-1.0020	318	-0.7785	327
40	-1.1987	310	-0.9678	319	-0.9603	319	-0.7383	328
41	-1.1567	311	-0.9261	321	-0.9187	321	-0.6981	330
42	-1.1146	313	-0.8844	322	-0.8771	323	-0.6578	332
43	-1.0726	315	-0.8427	324	-0.8355	324	-0.6175	333
44	-1.0305	316	-0.8009	326	-0.7938	326	-0.5770	335
45	-0.9884	318	-0.7590	327	-0.7519	328	-0.5363	337
46	-0.9460	320	-0.7169	329	-0.7098	329	-0.4954	338

(cont'd)

Raw Score	Reading/Writing Sessions 1&2/1&2		Reading/Writing Sessions 2&3/1&2		Reading/Writing Sessions 1&2/2&3		Reading/Writing Sessions 2&3/2&3	
	Theta	SS	Theta	SS	Theta	SS	Theta	SS
47	-0.9035	322	-0.6745	331	-0.6675	331	-0.4543	340
48	-0.8607	323	-0.6319	333	-0.6249	333	-0.4128	342
49	-0.8176	325	-0.5890	334	-0.5820	335	-0.3709	343
50	-0.7741	327	-0.5457	336	-0.5387	336	-0.3285	345
51	-0.7302	329	-0.5019	338	-0.4948	338	-0.2857	347
52	-0.6858	330	-0.4575	340	-0.4505	340	-0.2422	348
53	-0.6408	332	-0.4126	342	-0.4056	342	-0.1982	350
54	-0.5952	334	-0.3670	343	-0.3599	344	-0.1534	352
55	-0.5489	336	-0.3206	345	-0.3136	345	-0.1079	354
56	-0.5017	338	-0.2734	347	-0.2664	347	-0.0615	356
57	-0.4537	340	-0.2252	349	-0.2183	349	-0.0141	358
58	-0.4047	342	-0.1760	351	-0.1692	351	0.0343	360
59	-0.3546	344	-0.1256	353	-0.1190	354	0.0838	362
60	-0.3032	345	-0.0739	355	-0.0676	356	0.1346	364
61	-0.2505	348	-0.0207	358	-0.0149	358	0.1867	366
62	-0.1962	350	0.0341	360	0.0393	360	0.2404	368
63	-0.1403	353	0.0907	362	0.0951	362	0.2957	370
64	-0.0824	355	0.1493	364	0.1527	365	0.3528	373
65	-0.0225	357	0.2101	367	0.2123	367	0.4118	375
66	0.0399	360	0.2735	369	0.2739	370	0.4730	378
67	0.1050	363	0.3396	372	0.3380	372	0.5366	380
68	0.1730	365	0.4090	375	0.4046	374	0.6028	383
69	0.2445	368	0.4820	378	0.4741	378	0.6719	386
70	0.3199	371	0.5591	381	0.5468	381	0.7442	389
71	0.3998	374	0.6409	384	0.6231	384	0.8201	392
72	0.4849	378	0.7280	388	0.7033	387	0.8999	395
73	0.5759	382	0.8214	392	0.7881	390	0.9843	395
74	0.6740	386	0.9220	395	0.8779	394	1.0737	395
75	0.7805	390	1.0312	395	0.9735	395	1.1689	395
76	0.8970	395	1.1505	395	1.0759	395	1.2708	395
77	1.0257	395	1.2824	396	1.1862	395	1.3806	396
78	1.1699	395	1.4296	396	1.3059	396	1.4999	396
79	1.3338	396	1.5969	396	1.4373	396	1.6308	396
80	1.5246	396	1.7909	396	1.5833	396	1.7763	396
81	1.7539	396	2.0235	397	1.7483	396	1.9409	397
82	2.0442	397	2.3170	397	1.9395	397	2.1317	397
83	2.4465	397	2.7224	398	2.1688	397	2.3607	397
84	3.1275	399	3.4055	399	2.4590	397	2.6507	398
85	4.0000	400	4.0000	400	2.8623	398	3.0536	398
86					3.5464	399	3.7371	400
87					4.0000	400	4.0000	400

SS = scaled score

**Table C-10. 2004-2008 MEPA: Composite Raw Score
Correspondence for Reading/Writing—Grade Span 5–6, Spring 2005**

Raw Score	Reading/Writing Sessions 1&2/1&2		Reading/Writing Sessions 2&3/1&2		Reading/Writing Sessions 1&2/2&3		Reading/Writing Sessions 2&3/2&3	
	Theta	SS	Theta	SS	Theta	SS	Theta	SS
0	-4.0000	300	-4.0000	300	-4.0000	300	-4.0000	300
1	-4.0000	300	-4.0000	300	-4.0000	300	-4.0000	300
2	-4.0000	300	-4.0000	300	-4.0000	300	-3.8874	300
3	-3.9157	300	-3.7146	301	-3.7596	300	-3.4886	301
4	-3.6617	301	-3.4489	301	-3.4966	301	-3.2057	301
5	-3.4648	301	-3.2426	301	-3.2918	301	-2.9860	302
6	-3.3031	301	-3.0731	302	-3.1231	302	-2.8060	302
7	-3.1653	302	-2.9287	302	-2.9790	302	-2.6532	303
8	-3.0448	302	-2.8024	302	-2.8526	302	-2.5202	303
9	-2.9373	302	-2.6897	302	-2.7397	302	-2.4021	303
10	-2.8399	302	-2.5876	303	-2.6372	303	-2.2957	303
11	-2.7506	302	-2.4939	303	-2.5432	303	-2.1987	303
12	-2.6679	302	-2.4071	303	-2.4561	303	-2.1093	304
13	-2.5906	303	-2.3261	303	-2.3747	303	-2.0262	304
14	-2.5180	303	-2.2498	303	-2.2981	303	-1.9484	304
15	-2.4492	303	-2.1776	303	-2.2257	303	-1.8752	304
16	-2.3838	303	-2.1089	304	-2.1569	303	-1.8059	304
17	-2.3214	303	-2.0433	304	-2.0912	304	-1.7399	304
18	-2.2615	303	-1.9803	304	-2.0281	304	-1.6769	304
19	-2.2038	303	-1.9196	304	-1.9675	304	-1.6165	304
20	-2.1480	303	-1.8610	304	-1.9090	304	-1.5584	305
21	-2.0941	304	-1.8042	304	-1.8523	304	-1.5023	305
22	-2.0416	304	-1.7490	304	-1.7973	304	-1.4480	305
23	-1.9905	304	-1.6953	304	-1.7438	304	-1.3953	305
24	-1.9406	304	-1.6428	304	-1.6916	304	-1.3440	305
25	-1.8919	304	-1.5915	305	-1.6407	304	-1.2941	306
26	-1.8441	304	-1.5413	305	-1.5907	305	-1.2452	308
27	-1.7971	304	-1.4920	305	-1.5418	305	-1.1975	310
28	-1.7509	304	-1.4435	305	-1.4937	305	-1.1506	311
29	-1.7054	304	-1.3958	305	-1.4464	305	-1.1046	313
30	-1.6605	304	-1.3488	303	-1.3998	305	-1.0593	315
31	-1.6161	304	-1.3024	305	-1.3538	305	-1.0147	317
32	-1.5722	305	-1.2565	307	-1.3083	305	-0.9706	319
33	-1.5287	305	-1.2111	309	-1.2633	307	-0.9271	321
34	-1.4855	305	-1.1661	311	-1.2187	309	-0.8841	322
35	-1.4426	305	-1.1215	313	-1.1745	311	-0.8414	324
36	-1.3999	305	-1.0771	314	-1.1306	312	-0.7990	326
37	-1.3574	305	-1.0331	316	-1.0870	314	-0.7569	328
38	-1.3150	305	-0.9892	318	-1.0435	316	-0.7151	329
39	-1.2728	307	-0.9455	320	-1.0003	318	-0.6734	331
40	-1.2305	308	-0.9019	322	-0.9571	319	-0.6318	333
41	-1.1883	310	-0.8584	323	-0.9140	321	-0.5903	334
42	-1.1460	312	-0.8148	325	-0.8709	323	-0.5488	336
43	-1.1036	313	-0.7713	327	-0.8278	324	-0.5073	338
44	-1.0610	315	-0.7277	329	-0.7847	326	-0.4657	339
45	-1.0183	317	-0.6840	330	-0.7414	328	-0.4240	341
46	-0.9754	319	-0.6401	332	-0.6979	330	-0.3821	343
47	-0.9322	320	-0.5960	334	-0.6543	332	-0.3400	345
48	-0.8886	322	-0.5516	336	-0.6104	333	-0.2976	346

(cont'd)

Raw Score	Reading/Writing Sessions 1&2/1&2		Reading/Writing Sessions 2&3/1&2		Reading/Writing Sessions 1&2/2&3		Reading/Writing Sessions 2&3/2&3	
	Theta	SS	Theta	SS	Theta	SS	Theta	SS
49	-0.8447	324	-0.5069	338	-0.5661	335	-0.2549	348
50	-0.8004	326	-0.4618	340	-0.5215	337	-0.2119	350
51	-0.7556	328	-0.4163	341	-0.4765	339	-0.1683	351
52	-0.7103	329	-0.3702	343	-0.4310	341	-0.1243	353
53	-0.6643	331	-0.3236	345	-0.3850	343	-0.0798	355
54	-0.6177	333	-0.2764	347	-0.3384	345	-0.0346	357
55	-0.5704	335	-0.2285	349	-0.2910	346	0.0113	359
56	-0.5223	337	-0.1797	351	-0.2430	348	0.0579	361
57	-0.4732	339	-0.1301	353	-0.1941	350	0.1053	363
58	-0.4232	341	-0.0795	355	-0.1443	352	0.1537	365
59	-0.3720	343	-0.0278	357	-0.0935	355	0.2031	367
60	-0.3197	345	0.0252	359	-0.0415	357	0.2535	369
61	-0.2660	348	0.0794	362	0.0116	359	0.3052	371
62	-0.2108	350	0.1352	364	0.0661	361	0.3581	373
63	-0.1540	352	0.1926	366	0.1220	363	0.4125	375
64	-0.0954	354	0.2519	369	0.1796	366	0.4685	377
65	-0.0347	357	0.3133	371	0.2390	368	0.5262	380
66	0.0283	359	0.3769	374	0.3003	371	0.5857	382
67	0.0938	362	0.4432	376	0.3638	373	0.6474	385
68	0.1622	365	0.5123	379	0.4296	376	0.7113	387
69	0.2338	368	0.5847	382	0.4981	379	0.7778	390
70	0.3092	371	0.6609	385	0.5696	382	0.8470	393
71	0.3888	374	0.7413	389	0.6444	385	0.9194	396
72	0.4734	378	0.8266	392	0.7228	388	0.9954	395
73	0.5638	381	0.9176	396	0.8055	391	1.0753	395
74	0.6609	385	1.0153	395	0.8930	395	1.1598	395
75	0.7662	390	1.1208	395	0.9860	395	1.2496	395
76	0.8813	394	1.2358	396	1.0854	395	1.3456	396
77	1.0087	399	1.3624	396	1.1925	395	1.4489	396
78	1.1517	395	1.5037	396	1.3088	396	1.5611	396
79	1.3150	395	1.6641	396	1.4365	396	1.6844	396
80	1.5062	396	1.8505	397	1.5787	396	1.8217	396
81	1.7378	396	2.0748	397	1.7399	396	1.9776	397
82	2.0334	397	2.3594	397	1.9274	397	2.1591	397
83	2.4457	397	2.7559	398	2.1535	397	2.3784	397
84	3.1438	399	3.4313	399	2.4411	397	2.6583	398
85	4.0000	400	4.0000	400	2.8427	398	3.0510	398
86					3.5269	399	3.7242	400
87					4.0000	400	4.0000	400

SS = scaled score

**Table C-11. 2004-2008 MEPA: Composite Raw Score
Correspondence for Reading/Writing—Grade Span 5–6, Fall 2005**

Raw Score	Reading/Writing Sessions 1&2/1&2		Reading/Writing Sessions 2&3/1&2		Reading/Writing Sessions 1&2/2&3		Reading/Writing Sessions 2&3/2&3	
	Theta	SS	Theta	SS	Theta	SS	Theta	SS
0	-4.0000	300	-4.0000	300	-4.0000	300	-4.0000	300
1	-4.0000	300	-4.0000	300	-4.0000	300	-4.0000	300
2	-4.0000	300	-4.0000	300	-4.0000	300	-3.8874	300
3	-3.9157	300	-3.7146	301	-3.7596	300	-3.4886	301
4	-3.6617	301	-3.4489	301	-3.4966	301	-3.2057	301
5	-3.4648	301	-3.2426	301	-3.2918	301	-2.9860	302
6	-3.3031	301	-3.0731	302	-3.1231	302	-2.8060	302
7	-3.1653	302	-2.9287	302	-2.9790	302	-2.6532	303
8	-3.0448	302	-2.8024	302	-2.8526	302	-2.5202	303
9	-2.9373	302	-2.6897	302	-2.7397	302	-2.4021	303
10	-2.8399	302	-2.5876	303	-2.6372	303	-2.2957	303
11	-2.7506	302	-2.4939	303	-2.5432	303	-2.1987	303
12	-2.6679	302	-2.4071	303	-2.4561	303	-2.1093	304
13	-2.5906	303	-2.3261	303	-2.3747	303	-2.0262	304
14	-2.5180	303	-2.2498	303	-2.2981	303	-1.9484	304
15	-2.4492	303	-2.1776	303	-2.2257	303	-1.8752	304
16	-2.3838	303	-2.1089	304	-2.1569	303	-1.8059	304
17	-2.3214	303	-2.0433	304	-2.0912	304	-1.7399	304
18	-2.2615	303	-1.9803	304	-2.0281	304	-1.6769	304
19	-2.2038	303	-1.9196	304	-1.9675	304	-1.6165	304
20	-2.1480	303	-1.8610	304	-1.9090	304	-1.5584	305
21	-2.0941	304	-1.8042	304	-1.8523	304	-1.5023	305
22	-2.0416	304	-1.7490	304	-1.7973	304	-1.4480	305
23	-1.9905	304	-1.6953	304	-1.7438	304	-1.3953	305
24	-1.9406	304	-1.6428	304	-1.6916	304	-1.3440	305
25	-1.8919	304	-1.5915	305	-1.6407	304	-1.2941	306
26	-1.8441	304	-1.5413	305	-1.5907	305	-1.2452	308
27	-1.7971	304	-1.4920	305	-1.5418	305	-1.1975	310
28	-1.7509	304	-1.4435	305	-1.4937	305	-1.1506	311
29	-1.7054	304	-1.3958	305	-1.4464	305	-1.1046	313
30	-1.6605	304	-1.3488	305	-1.3998	305	-1.0593	315
31	-1.6161	304	-1.3024	305	-1.3538	305	-1.0147	317
32	-1.5722	305	-1.2565	307	-1.3083	305	-0.9706	319
33	-1.5287	305	-1.2111	309	-1.2633	307	-0.9271	321
34	-1.4855	305	-1.1661	311	-1.2187	309	-0.8841	322
35	-1.4426	305	-1.1215	313	-1.1745	311	-0.8414	324
36	-1.3999	305	-1.0771	314	-1.1306	312	-0.7990	326
37	-1.3574	305	-1.0331	316	-1.0870	314	-0.7569	328
38	-1.3150	305	-0.9892	318	-1.0435	316	-0.7151	329
39	-1.2728	307	-0.9455	320	-1.0003	318	-0.6734	331
40	-1.2305	308	-0.9019	322	-0.9571	319	-0.6318	333
41	-1.1883	310	-0.8584	323	-0.9140	321	-0.5903	334
42	-1.1460	312	-0.8148	325	-0.8709	323	-0.5488	336
43	-1.1036	313	-0.7713	327	-0.8278	324	-0.5073	338
44	-1.0610	315	-0.7277	329	-0.7847	326	-0.4657	339
45	-1.0183	317	-0.6840	330	-0.7414	328	-0.4240	341
46	-0.9754	319	-0.6401	332	-0.6979	330	-0.3821	343
47	-0.9322	320	-0.5960	334	-0.6543	332	-0.3400	345
48	-0.8886	322	-0.5516	336	-0.6104	333	-0.2976	346

(cont'd)

Raw Score	Reading/Writing Sessions 1&2/1&2		Reading/Writing Sessions 2&3/1&2		Reading/Writing Sessions 1&2/2&3		Reading/Writing Sessions 2&3/2&3	
	Theta	SS	Theta	SS	Theta	SS	Theta	SS
49	-0.8447	324	-0.5069	338	-0.5661	335	-0.2549	348
50	-0.8004	326	-0.4618	340	-0.5215	337	-0.2119	350
51	-0.7556	328	-0.4163	341	-0.4765	339	-0.1683	351
52	-0.7103	329	-0.3702	343	-0.4310	341	-0.1243	353
53	-0.6643	331	-0.3236	345	-0.3850	343	-0.0798	355
54	-0.6177	333	-0.2764	347	-0.3384	345	-0.0346	357
55	-0.5704	335	-0.2285	349	-0.2910	346	0.0113	359
56	-0.5223	337	-0.1797	351	-0.2430	348	0.0579	361
57	-0.4732	339	-0.1301	353	-0.1941	350	0.1053	363
58	-0.4232	341	-0.0795	355	-0.1443	352	0.1537	365
59	-0.3720	343	-0.0278	357	-0.0935	355	0.2031	367
60	-0.3197	345	0.0252	359	-0.0415	357	0.2535	369
61	-0.2660	348	0.0794	362	0.0116	359	0.3052	371
62	-0.2108	350	0.1352	364	0.0661	361	0.3581	373
63	-0.1540	352	0.1926	366	0.1220	363	0.4125	375
64	-0.0954	354	0.2519	369	0.1796	366	0.4685	377
65	-0.0347	357	0.3133	371	0.2390	368	0.5262	380
66	0.0283	359	0.3769	374	0.3003	371	0.5857	382
67	0.0938	362	0.4432	376	0.3638	373	0.6474	385
68	0.1622	365	0.5123	379	0.4296	376	0.7113	387
69	0.2338	368	0.5847	382	0.4981	379	0.7778	390
70	0.3092	371	0.6609	385	0.5696	382	0.8470	393
71	0.3888	374	0.7413	389	0.6444	385	0.9194	395
72	0.4734	378	0.8266	392	0.7228	388	0.9954	395
73	0.5638	381	0.9176	395	0.8055	391	1.0753	395
74	0.6609	385	1.0153	395	0.8930	395	1.1598	395
75	0.7662	390	1.1208	395	0.9860	395	1.2496	396
76	0.8813	394	1.2358	396	1.0854	395	1.3456	396
77	1.0087	395	1.3624	396	1.1925	395	1.4489	396
78	1.1517	395	1.5037	396	1.3088	396	1.5611	396
79	1.3150	396	1.6641	396	1.4365	396	1.6844	396
80	1.5062	396	1.8505	397	1.5787	396	1.8217	396
81	1.7378	396	2.0748	397	1.7399	396	1.9776	397
82	2.0334	397	2.3594	397	1.9274	397	2.1591	397
83	2.4457	397	2.7559	398	2.1535	397	2.3784	397
84	3.1438	399	3.4313	399	2.4411	397	2.6583	398
85	4.0000	400	4.0000	400	2.8427	398	3.0510	398
86					3.5269	399	3.7242	400
87					4.0000	400	4.0000	400

SS = scaled score

**Table C-12. 2004-2008 MEPA: Composite Raw Score
Correspondence for Reading/Writing—Grade Span 5–6, Spring 2006**

Raw Score	Reading/Writing Sessions 1&2/1&2		Reading/Writing Sessions 2&3/1&2		Reading/Writing Sessions 1&2/2&3		Reading/Writing Sessions 2&3/2&3	
	Theta	SS	Theta	SS	Theta	SS	Theta	SS
0	-4.0000	300	-4.0000	300	-4.0000	300	-4.0000	300
1	-4.0000	300	-4.0000	300	-4.0000	300	-4.0000	300
2	-4.0000	300	-4.0000	300	-4.0000	300	-3.8790	300
3	-3.9677	300	-3.7516	300	-3.7863	300	-3.4751	301
4	-3.7161	301	-3.4887	301	-3.5186	301	-3.1877	302
5	-3.5186	301	-3.2828	301	-3.3074	301	-2.9641	302
6	-3.3547	301	-3.1123	302	-3.1315	302	-2.7806	302
7	-3.2137	301	-2.9658	302	-2.9801	302	-2.6246	303
8	-3.0893	302	-2.8367	302	-2.8468	302	-2.4887	303
9	-2.9776	302	-2.7206	302	-2.7272	302	-2.3681	303
10	-2.8756	302	-2.6148	303	-2.6186	303	-2.2593	303
11	-2.7817	302	-2.5172	303	-2.5188	303	-2.1600	303
12	-2.6942	302	-2.4263	303	-2.4264	303	-2.0686	304
13	-2.6123	303	-2.3410	303	-2.3402	303	-1.9836	304
14	-2.5349	303	-2.2605	303	-2.2593	303	-1.9042	304
15	-2.4615	303	-2.1841	303	-2.1830	303	-1.8293	304
16	-2.3916	303	-2.1112	304	-2.1105	304	-1.7585	304
17	-2.3246	303	-2.0414	304	-2.0416	304	-1.6912	304
18	-2.2603	303	-1.9744	304	-1.9756	304	-1.6270	304
19	-2.1984	303	-1.9098	304	-1.9124	304	-1.5654	305
20	-2.1385	304	-1.8473	304	-1.8515	304	-1.5062	305
21	-2.0805	304	-1.7868	304	-1.7928	304	-1.4491	305
22	-2.0241	304	-1.7280	304	-1.7360	304	-1.3938	305
23	-1.9693	304	-1.6708	304	-1.6809	304	-1.3402	305
24	-1.9158	304	-1.6150	305	-1.6274	304	-1.2882	306
25	-1.8636	304	-1.5605	305	-1.5752	305	-1.2375	308
26	-1.8124	304	-1.5072	305	-1.5243	305	-1.1880	310
27	-1.7623	304	-1.4550	305	-1.4745	305	-1.1395	312
28	-1.7131	304	-1.4038	305	-1.4257	305	-1.0921	314
29	-1.6647	304	-1.3534	305	-1.3778	305	-1.0455	316
30	-1.6171	304	-1.3038	305	-1.3308	305	-0.9997	318
31	-1.5701	305	-1.2549	307	-1.2845	306	-0.9546	319
32	-1.5237	305	-1.2067	309	-1.2389	308	-0.9102	321
33	-1.4779	305	-1.1591	311	-1.1938	310	-0.8662	323
34	-1.4325	305	-1.1120	313	-1.1492	312	-0.8228	324
35	-1.3876	305	-1.0653	315	-1.1051	313	-0.7798	327
36	-1.3430	305	-1.0191	317	-1.0614	315	-0.7371	328
37	-1.2987	305	-0.9731	319	-1.0180	317	-0.6948	330
38	-1.2547	307	-0.9275	321	-0.9749	319	-0.6527	332
39	-1.2108	309	-0.8821	322	-0.9320	320	-0.6108	333
40	-1.1671	311	-0.8369	324	-0.8893	322	-0.5690	335
41	-1.1236	313	-0.7918	326	-0.8467	324	-0.5274	337
42	-1.0800	314	-0.7468	328	-0.8041	326	-0.4858	339
43	-1.0365	316	-0.7018	330	-0.7616	327	-0.4442	340
44	-0.9929	318	-0.6568	332	-0.7190	329	-0.4025	342
45	-0.9493	320	-0.6118	333	-0.6763	331	-0.3607	344
46	-0.9054	321	-0.5666	335	-0.6335	333	-0.3188	345
47	-0.8614	323	-0.5213	337	-0.5906	334	-0.2767	347
48	-0.8172	325	-0.4757	339	-0.5473	336	-0.2344	349

(cont'd)

Raw Score	Reading/Writing Sessions 1&2/1&2		Reading/Writing Sessions 2&3/1&2		Reading/Writing Sessions 1&2/2&3		Reading/Writing Sessions 2&3/2&3	
	Theta	SS	Theta	SS	Theta	SS	Theta	SS
49	-0.7726	327	-0.4298	341	-0.5038	338	-0.1917	351
50	-0.7276	329	-0.3836	343	-0.4600	340	-0.1487	352
51	-0.6822	331	-0.3370	345	-0.4157	341	-0.1053	354
52	-0.6364	332	-0.2899	347	-0.3710	343	-0.0614	356
53	-0.5899	334	-0.2422	348	-0.3257	345	-0.0169	358
54	-0.5428	336	-0.1940	350	-0.2799	347	0.0281	359
55	-0.4950	338	-0.1450	352	-0.2334	349	0.0738	361
56	-0.4464	340	-0.0952	354	-0.1861	351	0.1202	363
57	-0.3969	342	-0.0446	357	-0.1381	353	0.1675	365
58	-0.3464	344	0.0070	359	-0.0891	355	0.2157	367
59	-0.2948	346	0.0598	361	-0.0391	357	0.2648	369
60	-0.2420	348	0.1137	363	0.0120	359	0.3151	371
61	-0.1878	351	0.1690	365	0.0643	361	0.3666	373
62	-0.1321	353	0.2259	368	0.1179	363	0.4194	375
63	-0.0747	355	0.2844	370	0.1730	365	0.4737	378
64	-0.0154	358	0.3449	372	0.2297	368	0.5296	380
65	0.0459	360	0.4074	374	0.2883	370	0.5874	382
66	0.1097	363	0.4723	378	0.3488	373	0.6470	385
67	0.1760	366	0.5399	380	0.4115	375	0.7089	387
68	0.2454	368	0.6106	383	0.4766	378	0.7732	390
69	0.3181	371	0.6846	386	0.5445	381	0.8402	393
70	0.3946	374	0.7626	389	0.6154	383	0.9102	395
71	0.4756	378	0.8450	393	0.6897	386	0.9837	395
72	0.5617	381	0.9326	395	0.7679	390	1.0610	395
73	0.6537	385	1.0263	395	0.8505	393	1.1427	395
74	0.7527	389	1.1270	395	0.9382	395	1.2295	396
75	0.8601	393	1.2363	395	1.0316	395	1.3222	396
76	0.9776	395	1.3559	396	1.1319	395	1.4218	396
77	1.1076	395	1.4883	396	1.2403	395	1.5298	396
78	1.2534	395	1.6371	396	1.3584	396	1.6477	396
79	1.4198	396	1.8071	396	1.4885	396	1.7781	396
80	1.6141	396	2.0063	397	1.6339	396	1.9243	397
81	1.8489	396	2.2476	397	1.7991	396	2.0913	397
82	2.1473	397	2.5553	398	1.9915	397	2.2866	397
83	2.5619	398	2.9833	398	2.2234	397	2.5230	398
84	3.2611	399	3.7020	400	2.5181	398	2.8245	398
85	4.0000	400	4.0000	400	2.9282	398	3.2443	399
86					3.6221	399	3.9525	400
87					4.0000	400	4.0000	400

SS = scaled score

**Table C-13. 2004-2008 MEPA: Composite Raw Score
Correspondence for Reading/Writing—Grade Span 5–6, Fall 2006**

Raw Score	Reading/Writing Sessions 1&2/1&2		Reading/Writing Sessions 2&3/1&2		Reading/Writing Sessions 1&2/2&3		Reading/Writing Sessions 2&3/2&3	
	Theta	SS	Theta	SS	Theta	SS	Theta	SS
0	-4.0000	300	-4.0000	300	-4.0000	300	-4.0000	300
1	-4.0000	300	-4.0000	300	-4.0000	300	-4.0000	300
2	-4.0000	300	-4.0000	300	-4.0000	300	-3.8790	300
3	-3.9677	300	-3.7516	300	-3.7863	300	-3.4751	301
4	-3.7161	301	-3.4887	301	-3.5186	301	-3.1877	302
5	-3.5186	301	-3.2828	301	-3.3074	301	-2.9641	302
6	-3.3547	301	-3.1123	302	-3.1315	302	-2.7806	302
7	-3.2137	301	-2.9658	302	-2.9801	302	-2.6246	303
8	-3.0893	302	-2.8367	302	-2.8468	302	-2.4887	303
9	-2.9776	302	-2.7206	302	-2.7272	302	-2.3681	303
10	-2.8756	302	-2.6148	303	-2.6186	303	-2.2593	303
11	-2.7817	302	-2.5172	303	-2.5188	303	-2.1600	303
12	-2.6942	302	-2.4263	303	-2.4264	303	-2.0686	304
13	-2.6123	303	-2.3410	303	-2.3402	303	-1.9836	304
14	-2.5349	303	-2.2605	303	-2.2593	303	-1.9042	304
15	-2.4615	303	-2.1841	303	-2.1830	303	-1.8293	304
16	-2.3916	303	-2.1112	304	-2.1105	304	-1.7585	304
17	-2.3246	303	-2.0414	304	-2.0416	304	-1.6912	304
18	-2.2603	303	-1.9744	304	-1.9756	304	-1.6270	304
19	-2.1984	303	-1.9098	304	-1.9124	304	-1.5654	305
20	-2.1385	304	-1.8473	304	-1.8515	304	-1.5062	305
21	-2.0805	304	-1.7868	304	-1.7928	304	-1.4491	305
22	-2.0241	304	-1.7280	304	-1.7360	304	-1.3938	305
23	-1.9693	304	-1.6708	304	-1.6809	304	-1.3402	305
24	-1.9158	304	-1.6150	305	-1.6274	304	-1.2882	306
25	-1.8636	304	-1.5605	305	-1.5752	305	-1.2375	308
26	-1.8124	304	-1.5072	305	-1.5243	305	-1.1880	310
27	-1.7623	304	-1.4550	305	-1.4745	305	-1.1395	312
28	-1.7131	304	-1.4038	305	-1.4257	305	-1.0921	314
29	-1.6647	304	-1.3534	305	-1.3778	305	-1.0455	316
30	-1.6171	304	-1.3038	305	-1.3308	305	-0.9997	318
31	-1.5701	305	-1.2549	307	-1.2845	306	-0.9546	319
32	-1.5237	305	-1.2067	309	-1.2389	308	-0.9102	321
33	-1.4779	305	-1.1591	311	-1.1938	310	-0.8662	323
34	-1.4325	305	-1.1120	313	-1.1492	312	-0.8228	324
35	-1.3876	305	-1.0653	315	-1.1051	313	-0.7798	327
36	-1.3430	305	-1.0191	317	-1.0614	315	-0.7371	328
37	-1.2987	305	-0.9731	319	-1.0180	317	-0.6948	330
38	-1.2547	307	-0.9275	321	-0.9749	319	-0.6527	332
39	-1.2108	309	-0.8821	322	-0.9320	320	-0.6108	333
40	-1.1671	311	-0.8369	324	-0.8893	322	-0.5690	335
41	-1.1236	313	-0.7918	326	-0.8467	324	-0.5274	337
42	-1.0800	314	-0.7468	328	-0.8041	326	-0.4858	339
43	-1.0365	316	-0.7018	330	-0.7616	327	-0.4442	340
44	-0.9929	318	-0.6568	332	-0.7190	329	-0.4025	342
45	-0.9493	320	-0.6118	333	-0.6763	331	-0.3607	344
46	-0.9054	321	-0.5666	335	-0.6335	333	-0.3188	345
47	-0.8614	323	-0.5213	337	-0.5906	334	-0.2767	347
48	-0.8172	325	-0.4757	339	-0.5473	336	-0.2344	349

(cont'd)

Raw Score	Reading/Writing Sessions 1&2/1&2		Reading/Writing Sessions 2&3/1&2		Reading/Writing Sessions 1&2/2&3		Reading/Writing Sessions 2&3/2&3	
	Theta	SS	Theta	SS	Theta	SS	Theta	SS
49	-0.7726	327	-0.4298	341	-0.5038	338	-0.1917	351
50	-0.7276	329	-0.3836	343	-0.4600	340	-0.1487	352
51	-0.6822	331	-0.3370	345	-0.4157	341	-0.1053	354
52	-0.6364	332	-0.2899	347	-0.3710	343	-0.0614	356
53	-0.5899	334	-0.2422	348	-0.3257	345	-0.0169	358
54	-0.5428	336	-0.1940	350	-0.2799	347	0.0281	359
55	-0.4950	338	-0.1450	352	-0.2334	349	0.0738	361
56	-0.4464	340	-0.0952	354	-0.1861	351	0.1202	363
57	-0.3969	342	-0.0446	357	-0.1381	353	0.1675	365
58	-0.3464	344	0.0070	359	-0.0891	355	0.2157	367
59	-0.2948	346	0.0598	361	-0.0391	357	0.2648	369
60	-0.2420	348	0.1137	363	0.0120	359	0.3151	371
61	-0.1878	351	0.1690	365	0.0643	361	0.3666	373
62	-0.1321	353	0.2259	368	0.1179	363	0.4194	375
63	-0.0747	355	0.2844	370	0.1730	365	0.4737	378
64	-0.0154	358	0.3449	372	0.2297	368	0.5296	380
65	0.0459	360	0.4074	374	0.2883	370	0.5874	382
66	0.1097	363	0.4723	378	0.3488	373	0.6470	385
67	0.1760	366	0.5399	380	0.4115	375	0.7089	387
68	0.2454	368	0.6106	383	0.4766	378	0.7732	390
69	0.3181	371	0.6846	386	0.5445	381	0.8402	393
70	0.3946	374	0.7626	389	0.6154	383	0.9102	395
71	0.4756	378	0.8450	393	0.6897	386	0.9837	395
72	0.5617	381	0.9326	395	0.7679	390	1.0610	395
73	0.6537	385	1.0263	395	0.8505	393	1.1427	395
74	0.7527	389	1.1270	395	0.9382	395	1.2295	396
75	0.8601	393	1.2363	395	1.0316	395	1.3222	396
76	0.9776	395	1.3559	396	1.1319	395	1.4218	396
77	1.1076	395	1.4883	396	1.2403	395	1.5298	396
78	1.2534	395	1.6371	396	1.3584	396	1.6477	396
79	1.4198	396	1.8071	396	1.4885	396	1.7781	396
80	1.6141	396	2.0063	397	1.6339	396	1.9243	397
81	1.8489	396	2.2476	397	1.7991	396	2.0913	397
82	2.1473	397	2.5553	398	1.9915	397	2.2866	397
83	2.5619	398	2.9833	398	2.2234	397	2.5230	398
84	3.2611	399	3.7020	400	2.5181	398	2.8245	398
85	4.0000	400	4.0000	400	2.9282	398	3.2443	399
86					3.6221	399	3.9525	400
87					4.0000	400	4.0000	400

SS = scaled score

**Table C-14. 2004-2008 MEPA: Composite Raw Score
Correspondence for Reading/Writing—Grade Span 5–6, Spring 2007**

Raw Score	Reading/Writing Sessions 1&2/1&2		Reading/Writing Sessions 2&3/1&2		Reading/Writing Sessions 1&2/2&3		Reading/Writing Sessions 2&3/2&3	
	Theta	SS	Theta	SS	Theta	SS	Theta	SS
0	-4.0000	300	-4.0000	300	-4.0000	300	-4.0000	300
1	-4.0000	300	-4.0000	300	-4.0000	300	-4.0000	300
2	-4.0000	300	-4.0000	300	-4.0000	300	-3.8635	300
3	-3.8826	300	-3.7001	301	-3.7163	301	-3.4643	301
4	-3.6298	301	-3.4378	301	-3.4508	301	-3.1814	302
5	-3.4333	301	-3.2339	301	-3.2434	301	-2.9619	302
6	-3.2716	301	-3.0662	302	-3.0722	302	-2.7823	302
7	-3.1335	302	-2.9230	302	-2.9257	302	-2.6301	303
8	-3.0124	302	-2.7975	302	-2.7972	302	-2.4977	303
9	-2.9041	302	-2.6853	302	-2.6823	302	-2.3804	303
10	-2.8058	302	-2.5834	303	-2.5781	303	-2.2748	303
11	-2.7155	302	-2.4898	303	-2.4827	303	-2.1786	303
12	-2.6317	303	-2.4029	303	-2.3943	303	-2.0901	304
13	-2.5534	303	-2.3216	303	-2.3120	303	-2.0080	304
14	-2.4796	303	-2.2451	303	-2.2347	303	-1.9312	304
15	-2.4097	303	-2.1725	303	-2.1617	303	-1.8589	304
16	-2.3432	303	-2.1034	304	-2.0926	304	-1.7906	304
17	-2.2797	303	-2.0374	304	-2.0267	304	-1.7256	304
18	-2.2186	303	-1.9739	304	-1.9637	304	-1.6636	304
19	-2.1599	303	-1.9128	304	-1.9032	304	-1.6041	304
20	-2.1032	304	-1.8538	304	-1.8451	304	-1.5469	305
21	-2.0482	304	-1.7966	304	-1.7889	304	-1.4918	305
22	-1.9948	304	-1.7410	304	-1.7345	304	-1.4384	305
23	-1.9429	304	-1.6869	304	-1.6817	304	-1.3866	305
24	-1.8922	304	-1.6341	304	-1.6304	304	-1.3362	305
25	-1.8427	304	-1.5824	305	-1.5803	305	-1.2871	306
26	-1.7942	304	-1.5319	305	-1.5315	305	-1.2391	308
27	-1.7466	304	-1.4823	305	-1.4836	305	-1.1921	310
28	-1.6999	304	-1.4336	305	-1.4367	305	-1.1461	312
29	-1.6539	304	-1.3857	305	-1.3906	305	-1.1008	314
30	-1.6086	305	-1.3385	305	-1.3453	305	-1.0563	315
31	-1.5639	305	-1.2919	306	-1.3006	305	-1.0124	317
32	-1.5197	305	-1.2458	308	-1.2565	307	-0.9691	319
33	-1.4759	305	-1.2003	309	-1.2130	309	-0.9263	321
34	-1.4326	305	-1.1552	311	-1.1699	311	-0.8839	322
35	-1.3896	305	-1.1104	313	-1.1272	312	-0.8419	324
36	-1.3469	305	-1.0660	315	-1.0848	314	-0.8002	326
37	-1.3044	305	-1.0219	317	-1.0427	316	-0.7587	327
38	-1.2621	307	-0.9779	319	-1.0008	318	-0.7175	329
39	-1.2200	309	-0.9342	320	-0.9591	319	-0.6765	331
40	-1.1779	310	-0.8905	322	-0.9176	321	-0.6355	332
41	-1.1360	312	-0.8469	324	-0.8760	323	-0.5947	334
42	-1.0940	314	-0.8034	326	-0.8346	324	-0.5538	336
43	-1.0519	316	-0.7598	327	-0.7931	326	-0.5130	337
44	-1.0098	317	-0.7162	329	-0.7515	328	-0.4720	339
45	-0.9675	319	-0.6724	331	-0.7098	329	-0.4310	341
46	-0.9250	321	-0.6285	333	-0.6680	331	-0.3898	342
47	-0.8823	322	-0.5843	335	-0.6259	333	-0.3484	344
48	-0.8393	324	-0.5399	336	-0.5836	335	-0.3067	345

(cont'd)

Raw Score	Reading/Writing Sessions 1&2/1&2		Reading/Writing Sessions 2&3/1&2		Reading/Writing Sessions 1&2/2&3		Reading/Writing Sessions 2&3/2&3	
	Theta	SS	Theta	SS	Theta	SS	Theta	SS
49	-0.7959	326	-0.4952	338	-0.5410	336	-0.2647	348
50	-0.7522	328	-0.4500	340	-0.4980	338	-0.2224	349
51	-0.7080	330	-0.4045	342	-0.4546	340	-0.1797	351
52	-0.6632	331	-0.3584	344	-0.4107	342	-0.1365	353
53	-0.6179	333	-0.3117	345	-0.3663	343	-0.0929	355
54	-0.5718	335	-0.2645	348	-0.3213	345	-0.0486	356
55	-0.5251	337	-0.2164	350	-0.2756	347	-0.0037	358
56	-0.4775	339	-0.1676	352	-0.2292	349	0.0419	360
57	-0.4290	341	-0.1179	354	-0.1820	351	0.0883	362
58	-0.3795	343	-0.0672	356	-0.1339	353	0.1355	364
59	-0.3288	345	-0.0154	358	-0.0848	355	0.1837	366
60	-0.2769	347	0.0376	360	-0.0346	357	0.2330	368
61	-0.2236	349	0.0920	362	0.0168	359	0.2833	370
62	-0.1687	351	0.1478	364	0.0694	361	0.3350	372
63	-0.1121	354	0.2054	367	0.1235	363	0.3880	374
64	-0.0537	356	0.2647	369	0.1792	366	0.4425	376
65	0.0069	359	0.3261	372	0.2366	368	0.4987	379
66	0.0699	361	0.3899	374	0.2960	370	0.5568	381
67	0.1355	364	0.4562	377	0.3575	373	0.6169	383
68	0.2042	367	0.5253	380	0.4213	376	0.6793	386
69	0.2762	370	0.5978	383	0.4878	378	0.7442	389
70	0.3521	373	0.6739	386	0.5572	381	0.8119	391
71	0.4324	376	0.7542	389	0.6300	384	0.8829	394
72	0.5179	379	0.8394	393	0.7065	387	0.9574	395
73	0.6093	383	0.9302	395	0.7873	390	1.0360	395
74	0.7077	387	1.0275	395	0.8731	394	1.1193	395
75	0.8144	392	1.1326	395	0.9645	395	1.2081	395
76	0.9312	395	1.2470	396	1.0627	395	1.3032	396
77	1.0603	395	1.3728	396	1.1688	395	1.4059	396
78	1.2051	395	1.5130	396	1.2846	396	1.5177	396
79	1.3701	396	1.6719	396	1.4123	396	1.6408	396
80	1.5627	396	1.8563	397	1.5551	396	1.7783	396
81	1.7951	396	2.0779	397	1.7177	396	1.9346	397
82	2.0902	397	2.3589	397	1.9075	397	2.1169	397
83	2.5002	398	2.7503	398	2.1366	397	2.3372	397
84	3.1929	399	3.4179	399	2.4284	397	2.6183	398
85	4.0000	400	4.0000	400	2.8355	398	3.0122	398
86					3.5262	399	3.6866	399
87					4.0000	400	4.0000	400

SS = scaled score

**Table C-15. 2004-2008 MEPA: Composite Raw Score
Correspondence for Reading/Writing—Grade Span 5–6, Fall 2007**

Raw Score	Reading/Writing Sessions 1&2/1&2		Reading/Writing Sessions 2&3/1&2		Reading/Writing Sessions 1&2/2&3		Reading/Writing Sessions 2&3/2&3	
	Theta	SS	Theta	SS	Theta	SS	Theta	SS
0	-4.0000	300	-4.0000	300	-4.0000	300	-4.0000	300
1	-4.0000	300	-4.0000	300	-4.0000	300	-4.0000	300
2	-4.0000	300	-4.0000	300	-4.0000	300	-3.8874	300
3	-3.9157	300	-3.7146	301	-3.7596	300	-3.4886	301
4	-3.6617	301	-3.4489	301	-3.4966	301	-3.2057	301
5	-3.4648	301	-3.2426	301	-3.2918	301	-2.9860	302
6	-3.3031	301	-3.0731	302	-3.1231	302	-2.8060	302
7	-3.1653	302	-2.9287	302	-2.9790	302	-2.6532	303
8	-3.0448	302	-2.8024	302	-2.8526	302	-2.5202	303
9	-2.9373	302	-2.6897	302	-2.7397	302	-2.4021	303
10	-2.8399	302	-2.5876	303	-2.6372	303	-2.2957	303
11	-2.7506	302	-2.4939	303	-2.5432	303	-2.1987	303
12	-2.6679	302	-2.4071	303	-2.4561	303	-2.1093	304
13	-2.5906	303	-2.3261	303	-2.3747	303	-2.0262	304
14	-2.5180	303	-2.2498	303	-2.2981	303	-1.9484	304
15	-2.4492	303	-2.1776	303	-2.2257	303	-1.8752	304
16	-2.3838	303	-2.1089	304	-2.1569	303	-1.8059	304
17	-2.3214	303	-2.0433	304	-2.0912	304	-1.7399	304
18	-2.2615	303	-1.9803	304	-2.0281	304	-1.6769	304
19	-2.2038	303	-1.9196	304	-1.9675	304	-1.6165	304
20	-2.1480	303	-1.8610	304	-1.9090	304	-1.5584	305
21	-2.0941	304	-1.8042	304	-1.8523	304	-1.5023	305
22	-2.0416	304	-1.7490	304	-1.7973	304	-1.4480	305
23	-1.9905	304	-1.6953	304	-1.7438	304	-1.3953	305
24	-1.9406	304	-1.6428	304	-1.6916	304	-1.3440	305
25	-1.8919	304	-1.5915	305	-1.6407	304	-1.2941	306
26	-1.8441	304	-1.5413	305	-1.5907	305	-1.2452	308
27	-1.7971	304	-1.4920	305	-1.5418	305	-1.1975	310
28	-1.7509	304	-1.4435	305	-1.4937	305	-1.1506	311
29	-1.7054	304	-1.3958	305	-1.4464	305	-1.1046	313
30	-1.6605	304	-1.3488	303	-1.3998	305	-1.0593	315
31	-1.6161	304	-1.3024	305	-1.3538	305	-1.0147	317
32	-1.5722	305	-1.2565	307	-1.3083	305	-0.9706	319
33	-1.5287	305	-1.2111	309	-1.2633	307	-0.9271	321
34	-1.4855	305	-1.1661	311	-1.2187	309	-0.8841	322
35	-1.4426	305	-1.1215	313	-1.1745	311	-0.8414	324
36	-1.3999	305	-1.0771	314	-1.1306	312	-0.7990	326
37	-1.3574	305	-1.0331	316	-1.0870	314	-0.7569	328
38	-1.3150	305	-0.9892	318	-1.0435	316	-0.7151	329
39	-1.2728	307	-0.9455	320	-1.0003	318	-0.6734	331
40	-1.2305	308	-0.9019	322	-0.9571	319	-0.6318	333
41	-1.1883	310	-0.8584	323	-0.9140	321	-0.5903	334
42	-1.1460	312	-0.8148	325	-0.8709	323	-0.5488	336
43	-1.1036	313	-0.7713	327	-0.8278	324	-0.5073	338
44	-1.0610	315	-0.7277	329	-0.7847	326	-0.4657	339
45	-1.0183	317	-0.6840	330	-0.7414	328	-0.4240	341
46	-0.9754	319	-0.6401	332	-0.6979	330	-0.3821	343
47	-0.9322	320	-0.5960	334	-0.6543	332	-0.3400	345
48	-0.8886	322	-0.5516	336	-0.6104	333	-0.2976	346

(cont'd)

Raw Score	Reading/Writing Sessions 1&2/1&2		Reading/Writing Sessions 2&3/1&2		Reading/Writing Sessions 1&2/2&3		Reading/Writing Sessions 2&3/2&3	
	Theta	SS	Theta	SS	Theta	SS	Theta	SS
49	-0.8447	324	-0.5069	338	-0.5661	335	-0.2549	348
50	-0.8004	326	-0.4618	340	-0.5215	337	-0.2119	350
51	-0.7556	328	-0.4163	341	-0.4765	339	-0.1683	351
52	-0.7103	329	-0.3702	343	-0.4310	341	-0.1243	353
53	-0.6643	331	-0.3236	345	-0.3850	343	-0.0798	355
54	-0.6177	333	-0.2764	347	-0.3384	345	-0.0346	357
55	-0.5704	335	-0.2285	349	-0.2910	346	0.0113	359
56	-0.5223	337	-0.1797	351	-0.2430	348	0.0579	361
57	-0.4732	339	-0.1301	353	-0.1941	350	0.1053	363
58	-0.4232	341	-0.0795	355	-0.1443	352	0.1537	365
59	-0.3720	343	-0.0278	357	-0.0935	355	0.2031	367
60	-0.3197	345	0.0252	359	-0.0415	357	0.2535	369
61	-0.2660	348	0.0794	362	0.0116	359	0.3052	371
62	-0.2108	350	0.1352	364	0.0661	361	0.3581	373
63	-0.1540	352	0.1926	366	0.1220	363	0.4125	375
64	-0.0954	354	0.2519	369	0.1796	366	0.4685	377
65	-0.0347	357	0.3133	371	0.2390	368	0.5262	380
66	0.0283	359	0.3769	374	0.3003	371	0.5857	382
67	0.0938	362	0.4432	376	0.3638	373	0.6474	385
68	0.1622	365	0.5123	379	0.4296	376	0.7113	387
69	0.2338	368	0.5847	382	0.4981	379	0.7778	390
70	0.3092	371	0.6609	385	0.5696	382	0.8470	393
71	0.3888	374	0.7413	389	0.6444	385	0.9194	396
72	0.4734	378	0.8266	392	0.7228	388	0.9954	395
73	0.5638	381	0.9176	396	0.8055	391	1.0753	395
74	0.6609	385	1.0153	395	0.8930	395	1.1598	395
75	0.7662	390	1.1208	395	0.9860	395	1.2496	395
76	0.8813	394	1.2358	396	1.0854	395	1.3456	396
77	1.0087	399	1.3624	396	1.1925	395	1.4489	396
78	1.1517	395	1.5037	396	1.3088	396	1.5611	396
79	1.3150	395	1.6641	396	1.4365	396	1.6844	396
80	1.5062	396	1.8505	397	1.5787	396	1.8217	396
81	1.7378	396	2.0748	397	1.7399	396	1.9776	397
82	2.0334	397	2.3594	397	1.9274	397	2.1591	397
83	2.4457	397	2.7559	398	2.1535	397	2.3784	397
84	3.1438	399	3.4313	399	2.4411	397	2.6583	398
85	4.0000	400	4.0000	400	2.8427	398	3.0510	398
86					3.5269	399	3.7242	400
87					4.0000	400	4.0000	400

SS = scaled score

**Table C-16. 2004-2008 MEPA: Composite Raw Score
Correspondence for Reading/Writing—Grade Span 5–6, Spring 2008**

Raw Score	Reading/Writing Sessions 1&2/1&2		Reading/Writing Sessions 2&3/1&2		Reading/Writing Sessions 1&2/2&3		Reading/Writing Sessions 2&3/2&3	
	Theta	SS	Theta	SS	Theta	SS	Theta	SS
0	-4.0000	300	-4.0000	300	-4.0000	300	-4.0000	300
1	-4.0000	300	-4.0000	300	-4.0000	300	-4.0000	300
2	-4.0000	300	-4.0000	300	-4.0000	300	-3.8790	300
3	-3.9677	300	-3.7516	300	-3.7863	300	-3.4751	301
4	-3.7161	301	-3.4887	301	-3.5186	301	-3.1877	302
5	-3.5186	301	-3.2828	301	-3.3074	301	-2.9641	302
6	-3.3547	301	-3.1123	302	-3.1315	302	-2.7806	302
7	-3.2137	301	-2.9658	302	-2.9801	302	-2.6246	303
8	-3.0893	302	-2.8367	302	-2.8468	302	-2.4887	303
9	-2.9776	302	-2.7206	302	-2.7272	302	-2.3681	303
10	-2.8756	302	-2.6148	303	-2.6186	303	-2.2593	303
11	-2.7817	302	-2.5172	303	-2.5188	303	-2.1600	303
12	-2.6942	302	-2.4263	303	-2.4264	303	-2.0686	304
13	-2.6123	303	-2.3410	303	-2.3402	303	-1.9836	304
14	-2.5349	303	-2.2605	303	-2.2593	303	-1.9042	304
15	-2.4615	303	-2.1841	303	-2.1830	303	-1.8293	304
16	-2.3916	303	-2.1112	304	-2.1105	304	-1.7585	304
17	-2.3246	303	-2.0414	304	-2.0416	304	-1.6912	304
18	-2.2603	303	-1.9744	304	-1.9756	304	-1.6270	304
19	-2.1984	303	-1.9098	304	-1.9124	304	-1.5654	305
20	-2.1385	304	-1.8473	304	-1.8515	304	-1.5062	305
21	-2.0805	304	-1.7868	304	-1.7928	304	-1.4491	305
22	-2.0241	304	-1.7280	304	-1.7360	304	-1.3938	305
23	-1.9693	304	-1.6708	304	-1.6809	304	-1.3402	305
24	-1.9158	304	-1.6150	305	-1.6274	304	-1.2882	306
25	-1.8636	304	-1.5605	305	-1.5752	305	-1.2375	308
26	-1.8124	304	-1.5072	305	-1.5243	305	-1.1880	310
27	-1.7623	304	-1.4550	305	-1.4745	305	-1.1395	312
28	-1.7131	304	-1.4038	305	-1.4257	305	-1.0921	314
29	-1.6647	304	-1.3534	305	-1.3778	305	-1.0455	316
30	-1.6171	304	-1.3038	305	-1.3308	305	-0.9997	318
31	-1.5701	305	-1.2549	307	-1.2845	306	-0.9546	319
32	-1.5237	305	-1.2067	309	-1.2389	308	-0.9102	321
33	-1.4779	305	-1.1591	311	-1.1938	310	-0.8662	323
34	-1.4325	305	-1.1120	313	-1.1492	312	-0.8228	324
35	-1.3876	305	-1.0653	315	-1.1051	313	-0.7798	327
36	-1.3430	305	-1.0191	317	-1.0614	315	-0.7371	328
37	-1.2987	305	-0.9731	319	-1.0180	317	-0.6948	330
38	-1.2547	307	-0.9275	321	-0.9749	319	-0.6527	332
39	-1.2108	309	-0.8821	322	-0.9320	320	-0.6108	333
40	-1.1671	311	-0.8369	324	-0.8893	322	-0.5690	335
41	-1.1236	313	-0.7918	326	-0.8467	324	-0.5274	337
42	-1.0800	314	-0.7468	328	-0.8041	326	-0.4858	339
43	-1.0365	316	-0.7018	330	-0.7616	327	-0.4442	340
44	-0.9929	318	-0.6568	332	-0.7190	329	-0.4025	342
45	-0.9493	320	-0.6118	333	-0.6763	331	-0.3607	344
46	-0.9054	321	-0.5666	335	-0.6335	333	-0.3188	345
47	-0.8614	323	-0.5213	337	-0.5906	334	-0.2767	347
48	-0.8172	325	-0.4757	339	-0.5473	336	-0.2344	349

(cont'd)

Raw Score	Reading/Writing Sessions 1&2/1&2		Reading/Writing Sessions 2&3/1&2		Reading/Writing Sessions 1&2/2&3		Reading/Writing Sessions 2&3/2&3	
	Theta	SS	Theta	SS	Theta	SS	Theta	SS
49	-0.7726	327	-0.4298	341	-0.5038	338	-0.1917	351
50	-0.7276	329	-0.3836	343	-0.4600	340	-0.1487	352
51	-0.6822	331	-0.3370	345	-0.4157	341	-0.1053	354
52	-0.6364	332	-0.2899	347	-0.3710	343	-0.0614	356
53	-0.5899	334	-0.2422	348	-0.3257	345	-0.0169	358
54	-0.5428	336	-0.1940	350	-0.2799	347	0.0281	359
55	-0.4950	338	-0.1450	352	-0.2334	349	0.0738	361
56	-0.4464	340	-0.0952	354	-0.1861	351	0.1202	363
57	-0.3969	342	-0.0446	357	-0.1381	353	0.1675	365
58	-0.3464	344	0.0070	359	-0.0891	355	0.2157	367
59	-0.2948	346	0.0598	361	-0.0391	357	0.2648	369
60	-0.2420	348	0.1137	363	0.0120	359	0.3151	371
61	-0.1878	351	0.1690	365	0.0643	361	0.3666	373
62	-0.1321	353	0.2259	368	0.1179	363	0.4194	375
63	-0.0747	355	0.2844	370	0.1730	365	0.4737	378
64	-0.0154	358	0.3449	372	0.2297	368	0.5296	380
65	0.0459	360	0.4074	374	0.2883	370	0.5874	382
66	0.1097	363	0.4723	378	0.3488	373	0.6470	385
67	0.1760	366	0.5399	380	0.4115	375	0.7089	387
68	0.2454	368	0.6106	383	0.4766	378	0.7732	390
69	0.3181	371	0.6846	386	0.5445	381	0.8402	393
70	0.3946	374	0.7626	389	0.6154	383	0.9102	395
71	0.4756	378	0.8450	393	0.6897	386	0.9837	395
72	0.5617	381	0.9326	395	0.7679	390	1.0610	395
73	0.6537	385	1.0263	395	0.8505	393	1.1427	395
74	0.7527	389	1.1270	395	0.9382	395	1.2295	396
75	0.8601	393	1.2363	395	1.0316	395	1.3222	396
76	0.9776	395	1.3559	396	1.1319	395	1.4218	396
77	1.1076	395	1.4883	396	1.2403	395	1.5298	396
78	1.2534	395	1.6371	396	1.3584	396	1.6477	396
79	1.4198	396	1.8071	396	1.4885	396	1.7781	396
80	1.6141	396	2.0063	397	1.6339	396	1.9243	397
81	1.8489	396	2.2476	397	1.7991	396	2.0913	397
82	2.1473	397	2.5553	398	1.9915	397	2.2866	397
83	2.5619	398	2.9833	398	2.2234	397	2.5230	398
84	3.2611	399	3.7020	400	2.5181	398	2.8245	398
85	4.0000	400	4.0000	400	2.9282	398	3.2443	399
86					3.6221	399	3.9525	400
87					4.0000	400	4.0000	400

SS = scaled score

**Table C-17. 2004-2008 MEPA: Composite Raw Score
Correspondence for Reading/Writing—Grade Span 7–8, Fall 2004**

Raw Score	Reading/Writing Sessions 1&2/1&2		Reading/Writing Sessions 2&3/1&2		Reading/Writing Sessions 1&2/2&3		Reading/Writing Sessions 2&3/2&3	
	Theta	SS	Theta	SS	Theta	SS	Theta	SS
0	-4.0000	300	-4.0000	300	-4.0000	300	-4.0000	300
1	-4.0000	300	-4.0000	300	-4.0000	300	-4.0000	300
2	-4.0000	300	-3.8416	300	-3.8861	300	-3.5898	301
3	-3.7164	300	-3.4846	301	-3.5432	301	-3.2087	301
4	-3.4802	301	-3.2311	301	-3.2985	301	-2.9406	302
5	-3.2953	301	-3.0327	302	-3.1062	302	-2.7334	302
6	-3.1418	301	-2.8685	302	-2.9463	302	-2.5644	302
7	-3.0097	302	-2.7277	302	-2.8083	302	-2.4212	303
8	-2.8931	302	-2.6038	302	-2.6863	302	-2.2968	303
9	-2.7879	302	-2.4926	303	-2.5763	302	-2.1865	303
10	-2.6918	302	-2.3915	303	-2.4759	303	-2.0872	303
11	-2.6030	302	-2.2986	303	-2.3830	303	-1.9966	303
12	-2.5200	303	-2.2123	303	-2.2965	303	-1.9133	304
13	-2.4420	303	-2.1317	303	-2.2154	303	-1.8359	304
14	-2.3682	303	-2.0558	303	-2.1387	303	-1.7634	304
15	-2.2979	303	-1.9840	304	-2.0660	303	-1.6952	304
16	-2.2308	303	-1.9158	304	-1.9967	303	-1.6307	304
17	-2.1664	303	-1.8508	304	-1.9304	304	-1.5693	304
18	-2.1043	303	-1.7885	304	-1.8668	304	-1.5107	304
19	-2.0444	303	-1.7286	304	-1.8056	304	-1.4546	304
20	-1.9864	303	-1.6709	304	-1.7465	304	-1.4005	304
21	-1.9301	304	-1.6152	304	-1.6894	304	-1.3483	305
22	-1.8753	304	-1.5611	304	-1.6340	304	-1.2979	305
23	-1.8219	304	-1.5087	304	-1.5802	304	-1.2489	305
24	-1.7698	304	-1.4577	304	-1.5279	304	-1.2013	305
25	-1.7188	304	-1.4079	305	-1.4768	304	-1.1548	305
26	-1.6689	304	-1.3593	305	-1.4269	304	-1.1095	305
27	-1.6199	304	-1.3117	305	-1.3782	305	-1.0651	307
28	-1.5718	304	-1.2651	305	-1.3303	305	-1.0215	309
29	-1.5245	304	-1.2193	305	-1.2834	305	-0.9788	311
30	-1.4779	304	-1.1743	305	-1.2373	305	-0.9367	312
31	-1.4319	304	-1.1299	305	-1.1920	305	-0.8953	314
32	-1.3865	305	-1.0861	306	-1.1473	305	-0.8543	316
33	-1.3416	305	-1.0429	308	-1.1032	305	-0.8139	318
34	-1.2972	305	-1.0002	310	-1.0596	307	-0.7739	320
35	-1.2532	305	-0.9578	311	-1.0165	309	-0.7342	321
36	-1.2096	305	-0.9159	313	-0.9738	311	-0.6948	323
37	-1.1663	305	-0.8742	315	-0.9314	313	-0.6557	325
38	-1.1232	305	-0.8328	317	-0.8894	315	-0.6167	327
39	-1.0804	306	-0.7915	319	-0.8476	316	-0.5780	328
40	-1.0377	308	-0.7504	321	-0.8061	318	-0.5393	330
41	-0.9952	310	-0.7094	323	-0.7646	320	-0.5007	332
42	-0.9527	312	-0.6685	324	-0.7233	322	-0.4621	334
43	-0.9103	314	-0.6276	326	-0.6821	324	-0.4234	335
44	-0.8678	316	-0.5866	328	-0.6408	326	-0.3847	337
45	-0.8253	317	-0.5455	330	-0.5996	328	-0.3459	339
46	-0.7827	319	-0.5043	332	-0.5582	329	-0.3069	341
47	-0.7399	321	-0.4628	334	-0.5167	331	-0.2677	342
48	-0.6969	323	-0.4212	336	-0.4750	333	-0.2282	344

(cont'd)

Raw Score	Reading/Writing Sessions 1&2/1&2		Reading/Writing Sessions 2&3/1&2		Reading/Writing Sessions 1&2/2&3		Reading/Writing Sessions 2&3/2&3	
	Theta	SS	Theta	SS	Theta	SS	Theta	SS
49	-0.6537	325	-0.3792	337	-0.4331	335	-0.1885	346
50	-0.6101	327	-0.3369	339	-0.3909	337	-0.1484	348
51	-0.5661	329	-0.2942	341	-0.3483	339	-0.1078	350
52	-0.5218	331	-0.2510	343	-0.3053	341	-0.0669	351
53	-0.4769	333	-0.2073	345	-0.2619	343	-0.0254	353
54	-0.4315	335	-0.1630	347	-0.2179	345	0.0167	355
55	-0.3854	337	-0.1180	349	-0.1733	347	0.0594	357
56	-0.3386	339	-0.0723	351	-0.1281	349	0.1028	359
57	-0.2909	341	-0.0257	353	-0.0821	351	0.1470	361
58	-0.2424	344	0.0217	355	-0.0352	353	0.1921	363
59	-0.1929	346	0.0702	358	0.0126	355	0.2381	365
60	-0.1423	348	0.1198	360	0.0614	357	0.2851	367
61	-0.0904	350	0.1707	362	0.1114	359	0.3333	369
62	-0.0371	353	0.2229	364	0.1627	362	0.3827	372
63	0.0178	355	0.2766	367	0.2154	364	0.4334	374
64	0.0744	358	0.3321	369	0.2697	366	0.4857	376
65	0.1329	360	0.3894	372	0.3257	369	0.5397	379
66	0.1937	363	0.4489	374	0.3836	372	0.5955	381
67	0.2569	366	0.5107	377	0.4437	374	0.6533	384
68	0.3228	369	0.5752	380	0.5062	377	0.7134	386
69	0.3920	372	0.6426	383	0.5715	380	0.7761	389
70	0.4648	375	0.7136	386	0.6397	383	0.8416	392
71	0.5418	379	0.7884	390	0.7115	386	0.9103	395
72	0.6236	382	0.8678	393	0.7871	390	0.9827	395
73	0.7111	386	0.9525	395	0.8672	393	1.0592	395
74	0.8054	390	1.0434	395	0.9525	395	1.1405	395
75	0.9077	395	1.1419	395	1.0437	395	1.2275	396
76	1.0198	395	1.2495	395	1.1420	395	1.3211	396
77	1.1442	395	1.3685	396	1.2487	395	1.4225	396
78	1.2840	396	1.5020	396	1.3656	396	1.5336	396
79	1.4442	396	1.6546	396	1.4950	396	1.6567	396
80	1.6323	396	1.8337	396	1.6403	396	1.7949	396
81	1.8607	397	2.0514	397	1.8063	396	1.9531	397
82	2.1531	397	2.3308	397	2.0005	397	2.1387	397
83	2.5621	398	2.7241	398	2.2355	397	2.3643	397
84	3.2566	399	3.3989	399	2.5349	398	2.6533	398
85	4.0000	400	4.0000	400	2.9517	398	3.0585	398
86					3.6551	399	3.7488	400
87					4.0000	400	4.0000	400

SS = scaled score

**Table C-18. 2004-2008 MEPA: Composite Raw Score
Correspondence for Reading/Writing—Grade Span 7–8, Spring 2005**

Raw Score	Reading/Writing Sessions 1&2/1&2		Reading/Writing Sessions 2&3/1&2		Reading/Writing Sessions 1&2/2&3		Reading/Writing Sessions 2&3/2&3	
	Theta	SS	Theta	SS	Theta	SS	Theta	SS
0	-4.0000	300	-4.0000	300	-4.0000	300	-4.0000	300
1	-4.0000	300	-4.0000	300	-4.0000	300	-4.0000	300
2	-4.0000	300	-3.8737	300	-4.0000	300	-3.6708	301
3	-3.9210	300	-3.4994	301	-3.8103	300	-3.2775	301
4	-3.6698	301	-3.2354	301	-3.5500	301	-2.9995	302
5	-3.4695	301	-3.0304	302	-3.3401	301	-2.7842	302
6	-3.3015	301	-2.8623	302	-3.1623	301	-2.6083	302
7	-3.1557	301	-2.7190	302	-3.0069	302	-2.4593	303
8	-3.0264	302	-2.5937	302	-2.8682	302	-2.3299	303
9	-2.9097	302	-2.4819	303	-2.7427	302	-2.2153	303
10	-2.8031	302	-2.3807	303	-2.6277	302	-2.1122	303
11	-2.7047	302	-2.2878	303	-2.5215	303	-2.0183	303
12	-2.6131	302	-2.2018	303	-2.4227	303	-1.9320	304
13	-2.5273	303	-2.1214	303	-2.3302	303	-1.8519	304
14	-2.4464	303	-2.0459	303	-2.2433	303	-1.7771	304
15	-2.3697	303	-1.9744	304	-2.1612	303	-1.7068	304
16	-2.2968	303	-1.9065	304	-2.0834	303	-1.6403	304
17	-2.2270	303	-1.8417	304	-2.0093	303	-1.5772	304
18	-2.1602	303	-1.7795	304	-1.9387	304	-1.5170	304
19	-2.0959	303	-1.7197	304	-1.8711	304	-1.4593	304
20	-2.0339	303	-1.6620	304	-1.8062	304	-1.4039	304
21	-1.9739	304	-1.6062	304	-1.7438	304	-1.3505	305
22	-1.9157	304	-1.5521	304	-1.6837	304	-1.2989	305
23	-1.8592	304	-1.4995	304	-1.6255	304	-1.2488	305
24	-1.8042	304	-1.4483	304	-1.5692	304	-1.2001	305
25	-1.7505	304	-1.3983	305	-1.5145	304	-1.1528	305
26	-1.6981	304	-1.3495	305	-1.4613	304	-1.1065	305
27	-1.6468	304	-1.3016	305	-1.4096	304	-1.0613	307
28	-1.5965	304	-1.2547	305	-1.3590	305	-1.0170	309
29	-1.5471	304	-1.2086	305	-1.3096	305	-0.9735	311
30	-1.4986	304	-1.1632	305	-1.2612	305	-0.9307	313
31	-1.4508	304	-1.1185	304	-1.2138	305	-0.8886	315
32	-1.4038	305	-1.0745	306	-1.1672	305	-0.8471	316
33	-1.3574	305	-1.0309	308	-1.1213	305	-0.8061	318
34	-1.3115	305	-0.9879	310	-1.0762	306	-0.7655	320
35	-1.2662	305	-0.9453	312	-1.0316	308	-0.7254	322
36	-1.2213	305	-0.9030	314	-0.9876	310	-0.6855	324
37	-1.1769	305	-0.8611	316	-0.9441	312	-0.6460	325
38	-1.1327	305	-0.8195	318	-0.9009	314	-0.6066	327
39	-1.0889	306	-0.7780	320	-0.8582	316	-0.5675	329
40	-1.0454	308	-0.7368	321	-0.8157	318	-0.5285	331
41	-1.0020	309	-0.6956	323	-0.7735	320	-0.4896	332
42	-0.9588	311	-0.6546	325	-0.7314	322	-0.4507	334
43	-0.9157	313	-0.6136	327	-0.6895	323	-0.4118	336
44	-0.8727	315	-0.5726	329	-0.6477	325	-0.3729	338
45	-0.8297	317	-0.5315	331	-0.6059	327	-0.3339	339
46	-0.7867	319	-0.4903	332	-0.5641	329	-0.2948	341
47	-0.7436	321	-0.4490	334	-0.5222	331	-0.2554	343
48	-0.7003	323	-0.4075	336	-0.4802	333	-0.2159	345

(cont'd)

Raw Score	Reading/Writing Sessions 1&2/1&2		Reading/Writing Sessions 2&3/1&2		Reading/Writing Sessions 1&2/2&3		Reading/Writing Sessions 2&3/2&3	
	Theta	SS	Theta	SS	Theta	SS	Theta	SS
49	-0.6569	324	-0.3657	338	-0.4380	335	-0.1761	347
50	-0.6133	327	-0.3237	340	-0.3956	337	-0.1360	348
51	-0.5694	329	-0.2813	342	-0.3529	339	-0.0955	350
52	-0.5251	331	-0.2384	344	-0.3098	341	-0.0545	352
53	-0.4804	333	-0.1951	345	-0.2663	342	-0.0131	354
54	-0.4353	335	-0.1513	348	-0.2224	344	0.0288	356
55	-0.3896	337	-0.1068	350	-0.1779	346	0.0713	358
56	-0.3432	339	-0.0617	352	-0.1327	348	0.1145	360
57	-0.2962	341	-0.0158	354	-0.0869	350	0.1584	361
58	-0.2483	343	0.0309	356	-0.0402	353	0.2031	363
59	-0.1996	345	0.0786	358	0.0073	355	0.2487	366
60	-0.1498	348	0.1273	360	0.0558	357	0.2952	368
61	-0.0989	350	0.1772	362	0.1054	359	0.3428	370
62	-0.0467	352	0.2284	365	0.1562	361	0.3916	372
63	0.0069	355	0.2809	367	0.2084	364	0.4417	374
64	0.0621	357	0.3351	369	0.2621	366	0.4932	376
65	0.1192	360	0.3910	372	0.3174	369	0.5462	379
66	0.1783	362	0.4490	374	0.3746	371	0.6010	381
67	0.2397	365	0.5091	377	0.4339	374	0.6577	384
68	0.3038	368	0.5717	380	0.4955	377	0.7165	386
69	0.3708	371	0.6372	383	0.5597	379	0.7777	389
70	0.4413	374	0.7059	386	0.6268	382	0.8415	392
71	0.5159	378	0.7783	389	0.6973	386	0.9084	395
72	0.5950	381	0.8550	393	0.7714	389	0.9787	395
73	0.6796	385	0.9368	396	0.8499	392	1.0530	395
74	0.7707	389	1.0245	395	0.9332	396	1.1318	395
75	0.8696	393	1.1195	395	1.0223	395	1.2159	395
76	0.9780	395	1.2232	395	1.1181	395	1.3063	396
77	1.0982	395	1.3379	396	1.2219	395	1.4042	396
78	1.2335	396	1.4668	396	1.3354	396	1.5113	396
79	1.3887	396	1.6143	396	1.4607	396	1.6298	396
80	1.5711	396	1.7878	396	1.6012	396	1.7630	396
81	1.7930	396	1.9993	397	1.7614	396	1.9155	397
82	2.0776	397	2.2718	397	1.9486	397	2.0945	397
83	2.4770	398	2.6571	398	2.1751	397	2.3124	397
84	3.1587	399	3.3220	399	2.4639	397	2.5922	398
85	4.0000	400	4.0000	400	2.8674	398	2.9863	398
86					3.5538	399	3.6623	399
87					4.0000	400	4.0000	400

SS = scaled score

**Table C-19. 2004-2008 MEPA: Composite Raw Score
Correspondence for Reading/Writing—Grade Span 7–8, Fall 2005**

Raw Score	Reading/Writing Sessions 1&2/1&2		Reading/Writing Sessions 2&3/1&2		Reading/Writing Sessions 1&2/2&3		Reading/Writing Sessions 2&3/2&3	
	Theta	SS	Theta	SS	Theta	SS	Theta	SS
0	-4.0000	300	-4.0000	300	-4.0000	300	-4.0000	300
1	-4.0000	300	-4.0000	300	-4.0000	300	-4.0000	300
2	-4.0000	300	-3.8737	300	-4.0000	300	-3.6708	301
3	-3.9210	300	-3.4994	301	-3.8103	300	-3.2775	301
4	-3.6698	301	-3.2354	301	-3.5500	301	-2.9995	302
5	-3.4695	301	-3.0304	302	-3.3401	301	-2.7842	302
6	-3.3015	301	-2.8623	302	-3.1623	301	-2.6083	302
7	-3.1557	301	-2.7190	302	-3.0069	302	-2.4593	303
8	-3.0264	302	-2.5937	302	-2.8682	302	-2.3299	303
9	-2.9097	302	-2.4819	303	-2.7427	302	-2.2153	303
10	-2.8031	302	-2.3807	303	-2.6277	302	-2.1122	303
11	-2.7047	302	-2.2878	303	-2.5215	303	-2.0183	303
12	-2.6131	302	-2.2018	303	-2.4227	303	-1.9320	304
13	-2.5273	303	-2.1214	303	-2.3302	303	-1.8519	304
14	-2.4464	303	-2.0459	303	-2.2433	303	-1.7771	304
15	-2.3697	303	-1.9744	304	-2.1612	303	-1.7068	304
16	-2.2968	303	-1.9065	304	-2.0834	303	-1.6403	304
17	-2.2270	303	-1.8417	304	-2.0093	303	-1.5772	304
18	-2.1602	303	-1.7795	304	-1.9387	304	-1.5170	304
19	-2.0959	303	-1.7197	304	-1.8711	304	-1.4593	304
20	-2.0339	303	-1.6620	304	-1.8062	304	-1.4039	304
21	-1.9739	304	-1.6062	304	-1.7438	304	-1.3505	305
22	-1.9157	304	-1.5521	304	-1.6837	304	-1.2989	305
23	-1.8592	304	-1.4995	304	-1.6255	304	-1.2488	305
24	-1.8042	304	-1.4483	304	-1.5692	304	-1.2001	305
25	-1.7505	304	-1.3983	305	-1.5145	304	-1.1528	305
26	-1.6981	304	-1.3495	305	-1.4613	304	-1.1065	305
27	-1.6468	304	-1.3016	305	-1.4096	304	-1.0613	307
28	-1.5965	304	-1.2547	305	-1.3590	305	-1.0170	309
29	-1.5471	304	-1.2086	305	-1.3096	305	-0.9735	311
30	-1.4986	304	-1.1632	305	-1.2612	305	-0.9307	313
31	-1.4508	304	-1.1185	305	-1.2138	305	-0.8886	315
32	-1.4038	305	-1.0745	306	-1.1672	305	-0.8471	316
33	-1.3574	305	-1.0309	308	-1.1213	305	-0.8061	318
34	-1.3115	305	-0.9879	310	-1.0762	306	-0.7655	320
35	-1.2662	305	-0.9453	312	-1.0316	308	-0.7254	322
36	-1.2213	305	-0.9030	314	-0.9876	310	-0.6855	324
37	-1.1769	305	-0.8611	316	-0.9441	312	-0.6460	325
38	-1.1327	305	-0.8195	318	-0.9009	314	-0.6066	327
39	-1.0889	306	-0.7780	320	-0.8582	316	-0.5675	329
40	-1.0454	308	-0.7368	321	-0.8157	318	-0.5285	331
41	-1.0020	309	-0.6956	323	-0.7735	320	-0.4896	332
42	-0.9588	311	-0.6546	325	-0.7314	322	-0.4507	334
43	-0.9157	313	-0.6136	327	-0.6895	323	-0.4118	336
44	-0.8727	315	-0.5726	329	-0.6477	325	-0.3729	338
45	-0.8297	317	-0.5315	331	-0.6059	327	-0.3339	339
46	-0.7867	319	-0.4903	332	-0.5641	329	-0.2948	341
47	-0.7436	321	-0.4490	334	-0.5222	331	-0.2554	343
48	-0.7003	323	-0.4075	336	-0.4802	333	-0.2159	345

(cont'd)

Raw Score	Reading/Writing Sessions 1&2/1&2		Reading/Writing Sessions 2&3/1&2		Reading/Writing Sessions 1&2/2&3		Reading/Writing Sessions 2&3/2&3	
	Theta	SS	Theta	SS	Theta	SS	Theta	SS
49	-0.6569	324	-0.3657	338	-0.4380	335	-0.1761	347
50	-0.6133	327	-0.3237	340	-0.3956	337	-0.1360	348
51	-0.5694	329	-0.2813	342	-0.3529	339	-0.0955	350
52	-0.5251	331	-0.2384	344	-0.3098	341	-0.0545	352
53	-0.4804	333	-0.1951	345	-0.2663	342	-0.0131	354
54	-0.4353	335	-0.1513	348	-0.2224	344	0.0288	356
55	-0.3896	337	-0.1068	350	-0.1779	346	0.0713	358
56	-0.3432	339	-0.0617	352	-0.1327	348	0.1145	360
57	-0.2962	341	-0.0158	354	-0.0869	350	0.1584	361
58	-0.2483	343	0.0309	356	-0.0402	353	0.2031	363
59	-0.1996	345	0.0786	358	0.0073	355	0.2487	366
60	-0.1498	348	0.1273	360	0.0558	357	0.2952	368
61	-0.0989	350	0.1772	362	0.1054	359	0.3428	370
62	-0.0467	352	0.2284	365	0.1562	361	0.3916	372
63	0.0069	355	0.2809	367	0.2084	364	0.4417	374
64	0.0621	357	0.3351	369	0.2621	366	0.4932	376
65	0.1192	360	0.3910	372	0.3174	369	0.5462	379
66	0.1783	362	0.4490	374	0.3746	371	0.6010	381
67	0.2397	365	0.5091	377	0.4339	374	0.6577	384
68	0.3038	368	0.5717	380	0.4955	377	0.7165	386
69	0.3708	371	0.6372	383	0.5597	379	0.7777	389
70	0.4413	374	0.7059	386	0.6268	382	0.8415	392
71	0.5159	378	0.7783	389	0.6973	386	0.9084	395
72	0.5950	381	0.8550	393	0.7714	389	0.9787	395
73	0.6796	385	0.9368	395	0.8499	392	1.0530	395
74	0.7707	389	1.0245	395	0.9332	395	1.1318	395
75	0.8696	393	1.1195	395	1.0223	395	1.2159	395
76	0.9780	395	1.2232	395	1.1181	395	1.3063	396
77	1.0982	395	1.3379	396	1.2219	395	1.4042	396
78	1.2335	395	1.4668	396	1.3354	396	1.5113	396
79	1.3887	396	1.6143	396	1.4607	396	1.6298	396
80	1.5711	396	1.7878	396	1.6012	396	1.7630	396
81	1.7930	396	1.9993	397	1.7614	396	1.9155	397
82	2.0776	397	2.2718	397	1.9486	397	2.0945	397
83	2.4770	397	2.6571	398	2.1751	397	2.3124	397
84	3.1587	399	3.3220	399	2.4639	397	2.5922	398
85	4.0000	400	4.0000	400	2.8674	398	2.9863	398
86					3.5538	399	3.6623	399
87					4.0000	400	4.0000	400

SS = scaled score

**Table C-20. 2004-2008 MEPA: Composite Raw Score
Correspondence for Reading/Writing—Grade Span 7–8, Spring 2006**

Raw Score	Reading/Writing Sessions 1&2/1&2		Reading/Writing Sessions 2&3/1&2		Reading/Writing Sessions 1&2/2&3		Reading/Writing Sessions 2&3/2&3	
	Theta	SS	Theta	SS	Theta	SS	Theta	SS
0	-4.0000	300	-4.0000	300	-4.0000	300	-4.0000	300
1	-4.0000	300	-4.0000	300	-4.0000	300	-4.0000	300
2	-4.0000	300	-3.9213	300	-4.0000	300	-3.7407	300
3	-3.7818	300	-3.5428	301	-3.6529	301	-3.3406	301
4	-3.5316	301	-3.2752	301	-3.3951	301	-3.0563	302
5	-3.3367	301	-3.0670	302	-3.1930	301	-2.8352	302
6	-3.1759	301	-2.8960	302	-3.0253	302	-2.6539	302
7	-3.0382	302	-2.7500	302	-2.8809	302	-2.4999	303
8	-2.9171	302	-2.6222	302	-2.7533	302	-2.3658	303
9	-2.8084	302	-2.5080	303	-2.6385	302	-2.2468	303
10	-2.7095	302	-2.4044	303	-2.5336	303	-2.1396	303
11	-2.6183	302	-2.3094	303	-2.4366	303	-2.0419	303
12	-2.5334	303	-2.2212	303	-2.3463	303	-1.9520	304
13	-2.4538	303	-2.1389	303	-2.2615	303	-1.8685	304
14	-2.3786	303	-2.0614	303	-2.1813	303	-1.7905	304
15	-2.3071	303	-1.9881	303	-2.1053	303	-1.7172	304
16	-2.2389	303	-1.9183	304	-2.0328	303	-1.6479	304
17	-2.1735	303	-1.8517	304	-1.9634	304	-1.5822	304
18	-2.1106	303	-1.7878	304	-1.8967	304	-1.5194	304
19	-2.0498	303	-1.7263	304	-1.8326	304	-1.4594	304
20	-1.9910	303	-1.6670	304	-1.7707	304	-1.4017	305
21	-1.9339	304	-1.6095	304	-1.7108	304	-1.3462	305
22	-1.8783	304	-1.5539	304	-1.6527	304	-1.2926	305
23	-1.8241	304	-1.4997	304	-1.5963	304	-1.2406	305
24	-1.7711	304	-1.4470	304	-1.5414	304	-1.1902	305
25	-1.7193	304	-1.3956	305	-1.4879	304	-1.1412	305
26	-1.6685	304	-1.3452	305	-1.4356	304	-1.0933	305
27	-1.6187	304	-1.2960	305	-1.3845	305	-1.0466	307
28	-1.5696	304	-1.2477	305	-1.3344	305	-1.0009	310
29	-1.5214	304	-1.2002	305	-1.2853	305	-0.9561	312
30	-1.4738	304	-1.1535	305	-1.2371	305	-0.9121	314
31	-1.4268	304	-1.1075	305	-1.1896	305	-0.8688	315
32	-1.3804	305	-1.0622	307	-1.1429	305	-0.8262	317
33	-1.3344	305	-1.0174	309	-1.0969	305	-0.7842	319
34	-1.2890	305	-0.9731	311	-1.0514	307	-0.7426	321
35	-1.2439	305	-0.9293	313	-1.0065	309	-0.7016	323
36	-1.1991	305	-0.8859	315	-0.9620	311	-0.6609	324
37	-1.1547	305	-0.8428	317	-0.9179	313	-0.6205	327
38	-1.1105	305	-0.8001	319	-0.8742	315	-0.5805	328
39	-1.0664	307	-0.7575	320	-0.8308	317	-0.5406	330
40	-1.0226	309	-0.7152	322	-0.7876	319	-0.5010	332
41	-0.9788	311	-0.6730	324	-0.7447	321	-0.4615	334
42	-0.9352	312	-0.6309	326	-0.7018	323	-0.4221	335
43	-0.8915	314	-0.5889	328	-0.6591	324	-0.3827	337
44	-0.8478	316	-0.5469	330	-0.6165	327	-0.3433	339
45	-0.8040	318	-0.5048	332	-0.5738	329	-0.3039	341
46	-0.7602	320	-0.4627	334	-0.5311	331	-0.2643	343
47	-0.7161	322	-0.4204	336	-0.4883	333	-0.2247	344
48	-0.6719	324	-0.3779	337	-0.4454	334	-0.1848	346

(cont'd)

Raw Score	Reading/Writing Sessions 1&2/1&2		Reading/Writing Sessions 2&3/1&2		Reading/Writing Sessions 1&2/2&3		Reading/Writing Sessions 2&3/2&3	
	Theta	SS	Theta	SS	Theta	SS	Theta	SS
49	-0.6274	326	-0.3352	339	-0.4023	336	-0.1447	348
50	-0.5825	328	-0.2922	341	-0.3589	338	-0.1043	350
51	-0.5373	330	-0.2488	343	-0.3152	340	-0.0636	352
52	-0.4916	332	-0.2050	345	-0.2712	342	-0.0225	353
53	-0.4455	334	-0.1607	347	-0.2268	344	0.0191	355
54	-0.3988	337	-0.1159	349	-0.1818	346	0.0611	357
55	-0.3514	339	-0.0704	351	-0.1364	348	0.1038	359
56	-0.3033	341	-0.0242	353	-0.0903	350	0.1471	361
57	-0.2544	343	0.0227	355	-0.0435	352	0.1911	363
58	-0.2046	345	0.0706	358	0.0040	355	0.2359	365
59	-0.1537	348	0.1194	360	0.0524	357	0.2816	367
60	-0.1018	350	0.1694	362	0.1017	359	0.3283	369
61	-0.0486	352	0.2206	364	0.1520	361	0.3760	371
62	0.0060	355	0.2733	367	0.2035	364	0.4249	373
63	0.0621	357	0.3274	369	0.2563	366	0.4752	376
64	0.1199	360	0.3833	372	0.3104	368	0.5269	378
65	0.1797	362	0.4412	374	0.3662	371	0.5801	380
66	0.2416	365	0.5012	377	0.4236	373	0.6352	383
67	0.3059	368	0.5637	380	0.4830	376	0.6923	385
68	0.3730	371	0.6291	383	0.5445	379	0.7516	388
69	0.4431	374	0.6976	386	0.6083	382	0.8134	391
70	0.5168	378	0.7697	389	0.6749	385	0.8779	394
71	0.5946	381	0.8461	392	0.7445	388	0.9457	395
72	0.6770	385	0.9273	395	0.8175	391	1.0170	395
73	0.7649	389	1.0142	395	0.8945	394	1.0925	395
74	0.8592	393	1.1079	395	0.9760	395	1.1727	395
75	0.9613	395	1.2096	395	1.0628	395	1.2584	396
76	1.0728	395	1.3212	396	1.1559	395	1.3508	396
77	1.1959	395	1.4450	396	1.2564	395	1.4509	396
78	1.3339	396	1.5843	396	1.3662	396	1.5606	396
79	1.4915	396	1.7439	396	1.4873	396	1.6822	396
80	1.6759	396	1.9313	397	1.6229	396	1.8189	396
81	1.8995	397	2.1589	397	1.7777	396	1.9754	397
82	2.1856	397	2.4502	397	1.9590	397	2.1592	397
83	2.5864	398	2.8576	398	2.1791	397	2.3826	397
84	3.2705	399	3.5495	399	2.4612	397	2.6691	398
85	4.0000	400	4.0000	400	2.8578	398	3.0712	398
86					3.5374	399	3.7574	400
87					4.0000	400	4.0000	400

SS = scaled score

**Table C-21. 2004-2008 MEPA: Composite Raw Score
Correspondence for Reading/Writing—Grade Span 7–8, Fall 2006**

Raw Score	Reading/Writing Sessions 1&2/1&2		Reading/Writing Sessions 2&3/1&2		Reading/Writing Sessions 1&2/2&3		Reading/Writing Sessions 2&3/2&3	
	Theta	SS	Theta	SS	Theta	SS	Theta	SS
0	-4.0000	300	-4.0000	300	-4.0000	300	-4.0000	300
1	-4.0000	300	-4.0000	300	-4.0000	300	-4.0000	300
2	-4.0000	300	-3.9213	300	-4.0000	300	-3.7407	300
3	-3.7818	300	-3.5428	301	-3.6529	301	-3.3406	301
4	-3.5316	301	-3.2752	301	-3.3951	301	-3.0563	302
5	-3.3367	301	-3.0670	302	-3.1930	301	-2.8352	302
6	-3.1759	301	-2.8960	302	-3.0253	302	-2.6539	302
7	-3.0382	302	-2.7500	302	-2.8809	302	-2.4999	303
8	-2.9171	302	-2.6222	302	-2.7533	302	-2.3658	303
9	-2.8084	302	-2.5080	303	-2.6385	302	-2.2468	303
10	-2.7095	302	-2.4044	303	-2.5336	303	-2.1396	303
11	-2.6183	302	-2.3094	303	-2.4366	303	-2.0419	303
12	-2.5334	303	-2.2212	303	-2.3463	303	-1.9520	304
13	-2.4538	303	-2.1389	303	-2.2615	303	-1.8685	304
14	-2.3786	303	-2.0614	303	-2.1813	303	-1.7905	304
15	-2.3071	303	-1.9881	303	-2.1053	303	-1.7172	304
16	-2.2389	303	-1.9183	304	-2.0328	303	-1.6479	304
17	-2.1735	303	-1.8517	304	-1.9634	304	-1.5822	304
18	-2.1106	303	-1.7878	304	-1.8967	304	-1.5194	304
19	-2.0498	303	-1.7263	304	-1.8326	304	-1.4594	304
20	-1.9910	303	-1.6670	304	-1.7707	304	-1.4017	305
21	-1.9339	304	-1.6095	304	-1.7108	304	-1.3462	305
22	-1.8783	304	-1.5539	304	-1.6527	304	-1.2926	305
23	-1.8241	304	-1.4997	304	-1.5963	304	-1.2406	305
24	-1.7711	304	-1.4470	304	-1.5414	304	-1.1902	305
25	-1.7193	304	-1.3956	305	-1.4879	304	-1.1412	305
26	-1.6685	304	-1.3452	305	-1.4356	304	-1.0933	305
27	-1.6187	304	-1.2960	305	-1.3845	305	-1.0466	307
28	-1.5696	304	-1.2477	305	-1.3344	305	-1.0009	310
29	-1.5214	304	-1.2002	305	-1.2853	305	-0.9561	312
30	-1.4738	304	-1.1535	305	-1.2371	305	-0.9121	314
31	-1.4268	304	-1.1075	305	-1.1896	305	-0.8688	315
32	-1.3804	305	-1.0622	307	-1.1429	305	-0.8262	317
33	-1.3344	305	-1.0174	309	-1.0969	305	-0.7842	319
34	-1.2890	305	-0.9731	311	-1.0514	307	-0.7426	321
35	-1.2439	305	-0.9293	313	-1.0065	309	-0.7016	323
36	-1.1991	305	-0.8859	315	-0.9620	311	-0.6609	324
37	-1.1547	305	-0.8428	317	-0.9179	313	-0.6205	327
38	-1.1105	305	-0.8001	319	-0.8742	315	-0.5805	328
39	-1.0664	307	-0.7575	320	-0.8308	317	-0.5406	330
40	-1.0226	309	-0.7152	322	-0.7876	319	-0.5010	332
41	-0.9788	311	-0.6730	324	-0.7447	321	-0.4615	334
42	-0.9352	312	-0.6309	326	-0.7018	323	-0.4221	335
43	-0.8915	314	-0.5889	328	-0.6591	324	-0.3827	337
44	-0.8478	316	-0.5469	330	-0.6165	327	-0.3433	339
45	-0.8040	318	-0.5048	332	-0.5738	329	-0.3039	341
46	-0.7602	320	-0.4627	334	-0.5311	331	-0.2643	343
47	-0.7161	322	-0.4204	336	-0.4883	333	-0.2247	344
48	-0.6719	324	-0.3779	337	-0.4454	334	-0.1848	346

(cont'd)

Raw Score	Reading/Writing Sessions 1&2/1&2		Reading/Writing Sessions 2&3/1&2		Reading/Writing Sessions 1&2/2&3		Reading/Writing Sessions 2&3/2&3	
	Theta	SS	Theta	SS	Theta	SS	Theta	SS
49	-0.6274	326	-0.3352	339	-0.4023	336	-0.1447	348
50	-0.5825	328	-0.2922	341	-0.3589	338	-0.1043	350
51	-0.5373	330	-0.2488	343	-0.3152	340	-0.0636	352
52	-0.4916	332	-0.2050	345	-0.2712	342	-0.0225	353
53	-0.4455	334	-0.1607	347	-0.2268	344	0.0191	355
54	-0.3988	337	-0.1159	349	-0.1818	346	0.0611	357
55	-0.3514	339	-0.0704	351	-0.1364	348	0.1038	359
56	-0.3033	341	-0.0242	353	-0.0903	350	0.1471	361
57	-0.2544	343	0.0227	355	-0.0435	352	0.1911	363
58	-0.2046	345	0.0706	358	0.0040	355	0.2359	365
59	-0.1537	348	0.1194	360	0.0524	357	0.2816	367
60	-0.1018	350	0.1694	362	0.1017	359	0.3283	369
61	-0.0486	352	0.2206	364	0.1520	361	0.3760	371
62	0.0060	355	0.2733	367	0.2035	364	0.4249	373
63	0.0621	357	0.3274	369	0.2563	366	0.4752	376
64	0.1199	360	0.3833	372	0.3104	368	0.5269	378
65	0.1797	362	0.4412	374	0.3662	371	0.5801	380
66	0.2416	365	0.5012	377	0.4236	373	0.6352	383
67	0.3059	368	0.5637	380	0.4830	376	0.6923	385
68	0.3730	371	0.6291	383	0.5445	379	0.7516	388
69	0.4431	374	0.6976	386	0.6083	382	0.8134	391
70	0.5168	378	0.7697	389	0.6749	385	0.8779	394
71	0.5946	381	0.8461	392	0.7445	388	0.9457	395
72	0.6770	385	0.9273	395	0.8175	391	1.0170	395
73	0.7649	389	1.0142	395	0.8945	394	1.0925	395
74	0.8592	393	1.1079	395	0.9760	395	1.1727	395
75	0.9613	395	1.2096	395	1.0628	395	1.2584	396
76	1.0728	395	1.3212	396	1.1559	395	1.3508	396
77	1.1959	395	1.4450	396	1.2564	395	1.4509	396
78	1.3339	396	1.5843	396	1.3662	396	1.5606	396
79	1.4915	396	1.7439	396	1.4873	396	1.6822	396
80	1.6759	396	1.9313	397	1.6229	396	1.8189	396
81	1.8995	397	2.1589	397	1.7777	396	1.9754	397
82	2.1856	397	2.4502	397	1.9590	397	2.1592	397
83	2.5864	398	2.8576	398	2.1791	397	2.3826	397
84	3.2705	399	3.5495	399	2.4612	397	2.6691	398
85	4.0000	400	4.0000	400	2.8578	398	3.0712	398
86					3.5374	399	3.7574	400
87					4.0000	400	4.0000	400

SS = scaled score

**Table C-22. 2004-2008 MEPA: Composite Raw Score
Correspondence for Reading/Writing—Grade Span 7–8, Spring 2007**

Raw Score	Reading/Writing Sessions 1&2/1&2		Reading/Writing Sessions 2&3/1&2		Reading/Writing Sessions 1&2/2&3		Reading/Writing Sessions 2&3/2&3	
	Theta	SS	Theta	SS	Theta	SS	Theta	SS
0	-4.0000	300	-4.0000	300	-4.0000	300	-4.0000	300
1	-4.0000	300	-4.0000	300	-4.0000	300	-4.0000	300
2	-4.0000	300	-3.9757	300	-4.0000	300	-3.7382	300
3	-3.8284	300	-3.6024	301	-3.6584	301	-3.3368	301
4	-3.5804	301	-3.3378	301	-3.4001	301	-3.0518	302
5	-3.3868	301	-3.1314	302	-3.1970	301	-2.8302	302
6	-3.2266	301	-2.9611	302	-3.0281	302	-2.6486	302
7	-3.0891	302	-2.8152	302	-2.8825	302	-2.4944	303
8	-2.9680	302	-2.6869	302	-2.7538	302	-2.3600	303
9	-2.8592	302	-2.5718	302	-2.6379	302	-2.2407	303
10	-2.7600	302	-2.4670	303	-2.5321	303	-2.1333	303
11	-2.6683	302	-2.3704	303	-2.4343	303	-2.0353	303
12	-2.5829	302	-2.2805	303	-2.3432	303	-1.9450	304
13	-2.5027	303	-2.1962	303	-2.2577	303	-1.8612	304
14	-2.4268	303	-2.1167	303	-2.1769	303	-1.7829	304
15	-2.3545	303	-2.0411	303	-2.1003	303	-1.7092	304
16	-2.2854	303	-1.9691	304	-2.0272	303	-1.6395	304
17	-2.2191	303	-1.9002	304	-1.9573	304	-1.5733	304
18	-2.1552	303	-1.8339	304	-1.8902	304	-1.5102	304
19	-2.0933	303	-1.7701	304	-1.8255	304	-1.4497	304
20	-2.0334	303	-1.7084	304	-1.7631	304	-1.3917	305
21	-1.9750	304	-1.6486	304	-1.7027	304	-1.3357	305
22	-1.9182	304	-1.5905	304	-1.6442	304	-1.2816	305
23	-1.8627	304	-1.5340	304	-1.5873	304	-1.2293	305
24	-1.8084	304	-1.4789	304	-1.5319	304	-1.1784	305
25	-1.7551	304	-1.4252	304	-1.4779	304	-1.1289	305
26	-1.7029	304	-1.3726	305	-1.4251	304	-1.0806	306
27	-1.6515	304	-1.3211	305	-1.3735	305	-1.0335	308
28	-1.6009	304	-1.2706	305	-1.3230	305	-0.9873	310
29	-1.5510	304	-1.2210	305	-1.2734	305	-0.9420	312
30	-1.5018	304	-1.1722	305	-1.2247	305	-0.8976	314
31	-1.4532	304	-1.1242	305	-1.1768	305	-0.8538	316
32	-1.4051	305	-1.0769	306	-1.1297	305	-0.8107	318
33	-1.3575	305	-1.0302	308	-1.0832	306	-0.7682	320
34	-1.3103	305	-0.9840	310	-1.0372	308	-0.7261	322
35	-1.2635	305	-0.9384	312	-0.9919	310	-0.6846	324
36	-1.2171	305	-0.8932	314	-0.9470	312	-0.6434	326
37	-1.1710	305	-0.8484	316	-0.9025	314	-0.6025	327
38	-1.1251	305	-0.8040	318	-0.8584	316	-0.5619	329
39	-1.0795	306	-0.7599	320	-0.8146	318	-0.5215	331
40	-1.0340	308	-0.7160	322	-0.7710	320	-0.4813	333
41	-0.9886	310	-0.6723	324	-0.7277	322	-0.4413	335
42	-0.9434	312	-0.6288	326	-0.6846	324	-0.4013	336
43	-0.8982	314	-0.5854	328	-0.6415	326	-0.3614	338
44	-0.8531	316	-0.5420	330	-0.5985	328	-0.3214	340
45	-0.8079	318	-0.4987	332	-0.5556	330	-0.2814	342
46	-0.7626	320	-0.4553	334	-0.5126	331	-0.2413	344
47	-0.7173	322	-0.4118	336	-0.4695	333	-0.2011	345
48	-0.6718	324	-0.3682	338	-0.4263	335	-0.1606	347

(cont'd)

Raw Score	Reading/Writing Sessions 1&2/1&2		Reading/Writing Sessions 2&3/1&2		Reading/Writing Sessions 1&2/2&3		Reading/Writing Sessions 2&3/2&3	
	Theta	SS	Theta	SS	Theta	SS	Theta	SS
49	-0.6260	326	-0.3244	340	-0.3829	337	-0.1199	349
50	-0.5801	328	-0.2804	342	-0.3393	339	-0.0789	351
51	-0.5338	330	-0.2360	344	-0.2954	341	-0.0376	353
52	-0.4872	333	-0.1913	346	-0.2511	343	0.0041	355
53	-0.4401	335	-0.1462	348	-0.2065	345	0.0463	356
54	-0.3926	337	-0.1006	350	-0.1614	347	0.0890	358
55	-0.3445	339	-0.0544	352	-0.1157	349	0.1323	360
56	-0.2958	341	-0.0076	354	-0.0694	351	0.1762	362
57	-0.2464	343	0.0399	356	-0.0225	353	0.2209	364
58	-0.1962	345	0.0883	358	0.0252	356	0.2663	366
59	-0.1451	348	0.1375	361	0.0737	358	0.3127	368
60	-0.0930	350	0.1878	363	0.1232	360	0.3600	371
61	-0.0398	353	0.2392	365	0.1738	362	0.4083	373
62	0.0146	355	0.2919	367	0.2255	364	0.4579	374
63	0.0704	358	0.3460	370	0.2784	367	0.5088	377
64	0.1278	360	0.4016	372	0.3329	369	0.5611	380
65	0.1870	363	0.4591	374	0.3889	372	0.6151	382
66	0.2481	366	0.5186	378	0.4467	374	0.6708	384
67	0.3114	368	0.5804	380	0.5065	377	0.7285	387
68	0.3772	371	0.6447	383	0.5686	380	0.7885	390
69	0.4460	374	0.7119	386	0.6331	383	0.8509	393
70	0.5180	378	0.7825	389	0.7004	386	0.9161	395
71	0.5939	381	0.8569	393	0.7710	389	0.9844	395
72	0.6742	385	0.9358	395	0.8452	392	1.0563	395
73	0.7597	388	1.0199	395	0.9236	395	1.1323	395
74	0.8514	393	1.1102	395	1.0069	395	1.2130	395
75	0.9506	395	1.2078	395	1.0958	395	1.2991	396
76	1.0590	395	1.3145	396	1.1914	395	1.3918	396
77	1.1788	395	1.4323	396	1.2949	396	1.4921	396
78	1.3132	396	1.5644	396	1.4082	396	1.6018	396
79	1.4671	396	1.7152	396	1.5335	396	1.7232	396
80	1.6476	396	1.8919	397	1.6742	396	1.8593	397
81	1.8672	397	2.1063	397	1.8349	396	2.0149	397
82	2.1490	397	2.3809	397	2.0232	397	2.1972	397
83	2.5456	398	2.7672	398	2.2514	397	2.4185	397
84	3.2246	399	3.4311	399	2.5431	398	2.7019	398
85	4.0000	400	4.0000	400	2.9509	398	3.0998	399
86					3.6436	399	3.7804	400
87					4.0000	400	4.0000	400

SS = scaled score

**Table C-23. 2004-2008 MEPA: Composite Raw Score
Correspondence for Reading/Writing—Grade Span 7–8, Fall 2007**

Raw Score	Reading/Writing Sessions 1&2/1&2		Reading/Writing Sessions 2&3/1&2		Reading/Writing Sessions 1&2/2&3		Reading/Writing Sessions 2&3/2&3	
	Theta	SS	Theta	SS	Theta	SS	Theta	SS
0	-4.0000	300	-4.0000	300	-4.0000	300	-4.0000	300
1	-4.0000	300	-4.0000	300	-4.0000	300	-4.0000	300
2	-4.0000	300	-3.8737	300	-4.0000	300	-3.6708	301
3	-3.9210	300	-3.4994	301	-3.8103	300	-3.2775	301
4	-3.6698	301	-3.2354	301	-3.5500	301	-2.9995	302
5	-3.4695	301	-3.0304	302	-3.3401	301	-2.7842	302
6	-3.3015	301	-2.8623	302	-3.1623	301	-2.6083	302
7	-3.1557	301	-2.7190	302	-3.0069	302	-2.4593	303
8	-3.0264	302	-2.5937	302	-2.8682	302	-2.3299	303
9	-2.9097	302	-2.4819	303	-2.7427	302	-2.2153	303
10	-2.8031	302	-2.3807	303	-2.6277	302	-2.1122	303
11	-2.7047	302	-2.2878	303	-2.5215	303	-2.0183	303
12	-2.6131	302	-2.2018	303	-2.4227	303	-1.9320	304
13	-2.5273	303	-2.1214	303	-2.3302	303	-1.8519	304
14	-2.4464	303	-2.0459	303	-2.2433	303	-1.7771	304
15	-2.3697	303	-1.9744	304	-2.1612	303	-1.7068	304
16	-2.2968	303	-1.9065	304	-2.0834	303	-1.6403	304
17	-2.2270	303	-1.8417	304	-2.0093	303	-1.5772	304
18	-2.1602	303	-1.7795	304	-1.9387	304	-1.5170	304
19	-2.0959	303	-1.7197	304	-1.8711	304	-1.4593	304
20	-2.0339	303	-1.6620	304	-1.8062	304	-1.4039	304
21	-1.9739	304	-1.6062	304	-1.7438	304	-1.3505	305
22	-1.9157	304	-1.5521	304	-1.6837	304	-1.2989	305
23	-1.8592	304	-1.4995	304	-1.6255	304	-1.2488	305
24	-1.8042	304	-1.4483	304	-1.5692	304	-1.2001	305
25	-1.7505	304	-1.3983	305	-1.5145	304	-1.1528	305
26	-1.6981	304	-1.3495	305	-1.4613	304	-1.1065	305
27	-1.6468	304	-1.3016	305	-1.4096	304	-1.0613	307
28	-1.5965	304	-1.2547	305	-1.3590	305	-1.0170	309
29	-1.5471	304	-1.2086	305	-1.3096	305	-0.9735	311
30	-1.4986	304	-1.1632	305	-1.2612	305	-0.9307	313
31	-1.4508	304	-1.1185	304	-1.2138	305	-0.8886	315
32	-1.4038	305	-1.0745	306	-1.1672	305	-0.8471	316
33	-1.3574	305	-1.0309	308	-1.1213	305	-0.8061	318
34	-1.3115	305	-0.9879	310	-1.0762	306	-0.7655	320
35	-1.2662	305	-0.9453	312	-1.0316	308	-0.7254	322
36	-1.2213	305	-0.9030	314	-0.9876	310	-0.6855	324
37	-1.1769	305	-0.8611	316	-0.9441	312	-0.6460	325
38	-1.1327	305	-0.8195	318	-0.9009	314	-0.6066	327
39	-1.0889	306	-0.7780	320	-0.8582	316	-0.5675	329
40	-1.0454	308	-0.7368	321	-0.8157	318	-0.5285	331
41	-1.0020	309	-0.6956	323	-0.7735	320	-0.4896	332
42	-0.9588	311	-0.6546	325	-0.7314	322	-0.4507	334
43	-0.9157	313	-0.6136	327	-0.6895	323	-0.4118	336
44	-0.8727	315	-0.5726	329	-0.6477	325	-0.3729	338
45	-0.8297	317	-0.5315	331	-0.6059	327	-0.3339	339
46	-0.7867	319	-0.4903	332	-0.5641	329	-0.2948	341
47	-0.7436	321	-0.4490	334	-0.5222	331	-0.2554	343
48	-0.7003	323	-0.4075	336	-0.4802	333	-0.2159	345

(cont'd)

Raw Score	Reading/Writing Sessions 1&2/1&2		Reading/Writing Sessions 2&3/1&2		Reading/Writing Sessions 1&2/2&3		Reading/Writing Sessions 2&3/2&3	
	Theta	SS	Theta	SS	Theta	SS	Theta	SS
49	-0.6569	324	-0.3657	338	-0.4380	335	-0.1761	347
50	-0.6133	327	-0.3237	340	-0.3956	337	-0.1360	348
51	-0.5694	329	-0.2813	342	-0.3529	339	-0.0955	350
52	-0.5251	331	-0.2384	344	-0.3098	341	-0.0545	352
53	-0.4804	333	-0.1951	345	-0.2663	342	-0.0131	354
54	-0.4353	335	-0.1513	348	-0.2224	344	0.0288	356
55	-0.3896	337	-0.1068	350	-0.1779	346	0.0713	358
56	-0.3432	339	-0.0617	352	-0.1327	348	0.1145	360
57	-0.2962	341	-0.0158	354	-0.0869	350	0.1584	361
58	-0.2483	343	0.0309	356	-0.0402	353	0.2031	363
59	-0.1996	345	0.0786	358	0.0073	355	0.2487	366
60	-0.1498	348	0.1273	360	0.0558	357	0.2952	368
61	-0.0989	350	0.1772	362	0.1054	359	0.3428	370
62	-0.0467	352	0.2284	365	0.1562	361	0.3916	372
63	0.0069	355	0.2809	367	0.2084	364	0.4417	374
64	0.0621	357	0.3351	369	0.2621	366	0.4932	376
65	0.1192	360	0.3910	372	0.3174	369	0.5462	379
66	0.1783	362	0.4490	374	0.3746	371	0.6010	381
67	0.2397	365	0.5091	377	0.4339	374	0.6577	384
68	0.3038	368	0.5717	380	0.4955	377	0.7165	386
69	0.3708	371	0.6372	383	0.5597	379	0.7777	389
70	0.4413	374	0.7059	386	0.6268	382	0.8415	392
71	0.5159	378	0.7783	389	0.6973	386	0.9084	395
72	0.5950	381	0.8550	393	0.7714	389	0.9787	395
73	0.6796	385	0.9368	396	0.8499	392	1.0530	395
74	0.7707	389	1.0245	395	0.9332	396	1.1318	395
75	0.8696	393	1.1195	395	1.0223	395	1.2159	395
76	0.9780	395	1.2232	395	1.1181	395	1.3063	396
77	1.0982	395	1.3379	396	1.2219	395	1.4042	396
78	1.2335	396	1.4668	396	1.3354	396	1.5113	396
79	1.3887	396	1.6143	396	1.4607	396	1.6298	396
80	1.5711	396	1.7878	396	1.6012	396	1.7630	396
81	1.7930	396	1.9993	397	1.7614	396	1.9155	397
82	2.0776	397	2.2718	397	1.9486	397	2.0945	397
83	2.4770	398	2.6571	398	2.1751	397	2.3124	397
84	3.1587	399	3.3220	399	2.4639	397	2.5922	398
85	4.0000	400	4.0000	400	2.8674	398	2.9863	398
86					3.5538	399	3.6623	399
87					4.0000	400	4.0000	400

SS = scaled score

**Table C-24. 2004-2008 MEPA: Composite Raw Score
Correspondence for Reading/Writing—Grade Span 7–8, Spring 2008**

Raw Score	Reading/Writing Sessions 1&2/1&2		Reading/Writing Sessions 2&3/1&2		Reading/Writing Sessions 1&2/2&3		Reading/Writing Sessions 2&3/2&3	
	Theta	SS	Theta	SS	Theta	SS	Theta	SS
0	-4.0000	300	-4.0000	300	-4.0000	300	-4.0000	300
1	-4.0000	300	-4.0000	300	-4.0000	300	-4.0000	300
2	-4.0000	300	-3.9213	300	-4.0000	300	-3.7407	300
3	-3.7818	300	-3.5428	301	-3.6529	301	-3.3406	301
4	-3.5316	301	-3.2752	301	-3.3951	301	-3.0563	302
5	-3.3367	301	-3.0670	302	-3.1930	301	-2.8352	302
6	-3.1759	301	-2.8960	302	-3.0253	302	-2.6539	302
7	-3.0382	302	-2.7500	302	-2.8809	302	-2.4999	303
8	-2.9171	302	-2.6222	302	-2.7533	302	-2.3658	303
9	-2.8084	302	-2.5080	303	-2.6385	302	-2.2468	303
10	-2.7095	302	-2.4044	303	-2.5336	303	-2.1396	303
11	-2.6183	302	-2.3094	303	-2.4366	303	-2.0419	303
12	-2.5334	303	-2.2212	303	-2.3463	303	-1.9520	304
13	-2.4538	303	-2.1389	303	-2.2615	303	-1.8685	304
14	-2.3786	303	-2.0614	303	-2.1813	303	-1.7905	304
15	-2.3071	303	-1.9881	303	-2.1053	303	-1.7172	304
16	-2.2389	303	-1.9183	304	-2.0328	303	-1.6479	304
17	-2.1735	303	-1.8517	304	-1.9634	304	-1.5822	304
18	-2.1106	303	-1.7878	304	-1.8967	304	-1.5194	304
19	-2.0498	303	-1.7263	304	-1.8326	304	-1.4594	304
20	-1.9910	303	-1.6670	304	-1.7707	304	-1.4017	305
21	-1.9339	304	-1.6095	304	-1.7108	304	-1.3462	305
22	-1.8783	304	-1.5539	304	-1.6527	304	-1.2926	305
23	-1.8241	304	-1.4997	304	-1.5963	304	-1.2406	305
24	-1.7711	304	-1.4470	304	-1.5414	304	-1.1902	305
25	-1.7193	304	-1.3956	305	-1.4879	304	-1.1412	305
26	-1.6685	304	-1.3452	305	-1.4356	304	-1.0933	305
27	-1.6187	304	-1.2960	305	-1.3845	305	-1.0466	307
28	-1.5696	304	-1.2477	305	-1.3344	305	-1.0009	310
29	-1.5214	304	-1.2002	305	-1.2853	305	-0.9561	312
30	-1.4738	304	-1.1535	305	-1.2371	305	-0.9121	314
31	-1.4268	304	-1.1075	305	-1.1896	305	-0.8688	315
32	-1.3804	305	-1.0622	307	-1.1429	305	-0.8262	317
33	-1.3344	305	-1.0174	309	-1.0969	305	-0.7842	319
34	-1.2890	305	-0.9731	311	-1.0514	307	-0.7426	321
35	-1.2439	305	-0.9293	313	-1.0065	309	-0.7016	323
36	-1.1991	305	-0.8859	315	-0.9620	311	-0.6609	324
37	-1.1547	305	-0.8428	317	-0.9179	313	-0.6205	327
38	-1.1105	305	-0.8001	319	-0.8742	315	-0.5805	328
39	-1.0664	307	-0.7575	320	-0.8308	317	-0.5406	330
40	-1.0226	309	-0.7152	322	-0.7876	319	-0.5010	332
41	-0.9788	311	-0.6730	324	-0.7447	321	-0.4615	334
42	-0.9352	312	-0.6309	326	-0.7018	323	-0.4221	335
43	-0.8915	314	-0.5889	328	-0.6591	324	-0.3827	337
44	-0.8478	316	-0.5469	330	-0.6165	327	-0.3433	339
45	-0.8040	318	-0.5048	332	-0.5738	329	-0.3039	341
46	-0.7602	320	-0.4627	334	-0.5311	331	-0.2643	343
47	-0.7161	322	-0.4204	336	-0.4883	333	-0.2247	344
48	-0.6719	324	-0.3779	337	-0.4454	334	-0.1848	346

(cont'd)

Raw Score	Reading/Writing Sessions 1&2/1&2		Reading/Writing Sessions 2&3/1&2		Reading/Writing Sessions 1&2/2&3		Reading/Writing Sessions 2&3/2&3	
	Theta	SS	Theta	SS	Theta	SS	Theta	SS
49	-0.6274	326	-0.3352	339	-0.4023	336	-0.1447	348
50	-0.5825	328	-0.2922	341	-0.3589	338	-0.1043	350
51	-0.5373	330	-0.2488	343	-0.3152	340	-0.0636	352
52	-0.4916	332	-0.2050	345	-0.2712	342	-0.0225	353
53	-0.4455	334	-0.1607	347	-0.2268	344	0.0191	355
54	-0.3988	337	-0.1159	349	-0.1818	346	0.0611	357
55	-0.3514	339	-0.0704	351	-0.1364	348	0.1038	359
56	-0.3033	341	-0.0242	353	-0.0903	350	0.1471	361
57	-0.2544	343	0.0227	355	-0.0435	352	0.1911	363
58	-0.2046	345	0.0706	358	0.0040	355	0.2359	365
59	-0.1537	348	0.1194	360	0.0524	357	0.2816	367
60	-0.1018	350	0.1694	362	0.1017	359	0.3283	369
61	-0.0486	352	0.2206	364	0.1520	361	0.3760	371
62	0.0060	355	0.2733	367	0.2035	364	0.4249	373
63	0.0621	357	0.3274	369	0.2563	366	0.4752	376
64	0.1199	360	0.3833	372	0.3104	368	0.5269	378
65	0.1797	362	0.4412	374	0.3662	371	0.5801	380
66	0.2416	365	0.5012	377	0.4236	373	0.6352	383
67	0.3059	368	0.5637	380	0.4830	376	0.6923	385
68	0.3730	371	0.6291	383	0.5445	379	0.7516	388
69	0.4431	374	0.6976	386	0.6083	382	0.8134	391
70	0.5168	378	0.7697	389	0.6749	385	0.8779	394
71	0.5946	381	0.8461	392	0.7445	388	0.9457	395
72	0.6770	385	0.9273	395	0.8175	391	1.0170	395
73	0.7649	389	1.0142	395	0.8945	394	1.0925	395
74	0.8592	393	1.1079	395	0.9760	395	1.1727	395
75	0.9613	395	1.2096	395	1.0628	395	1.2584	396
76	1.0728	395	1.3212	396	1.1559	395	1.3508	396
77	1.1959	395	1.4450	396	1.2564	395	1.4509	396
78	1.3339	396	1.5843	396	1.3662	396	1.5606	396
79	1.4915	396	1.7439	396	1.4873	396	1.6822	396
80	1.6759	396	1.9313	397	1.6229	396	1.8189	396
81	1.8995	397	2.1589	397	1.7777	396	1.9754	397
82	2.1856	397	2.4502	397	1.9590	397	2.1592	397
83	2.5864	398	2.8576	398	2.1791	397	2.3826	397
84	3.2705	399	3.5495	399	2.4612	397	2.6691	398
85	4.0000	400	4.0000	400	2.8578	398	3.0712	398
86					3.5374	399	3.7574	400
87					4.0000	400	4.0000	400

SS = scaled score

**Table C-25. 2004-2008 MEPA: Composite Raw Score
Correspondence for Reading/Writing—Grade Span 9–12, Fall 2004**

Raw Score	Reading/Writing Sessions 1&2/1&2		Reading/Writing Sessions 2&3/1&2		Reading/Writing Sessions 1&2/2&3		Reading/Writing Sessions 2&3/2&3	
	Theta	SS	Theta	SS	Theta	SS	Theta	SS
0	-4.0000	300	-4.0000	300	-4.0000	300	-4.0000	300
1	-4.0000	300	-4.0000	300	-4.0000	300	-4.0000	300
2	-3.9588	300	-3.8196	300	-3.7320	300	-3.5235	301
3	-3.6048	301	-3.4531	301	-3.3661	301	-3.1345	301
4	-3.3547	301	-3.1934	301	-3.1066	301	-2.8597	302
5	-3.1599	301	-2.9907	302	-2.9041	302	-2.6469	302
6	-2.9993	302	-2.8233	302	-2.7371	302	-2.4729	302
7	-2.8619	302	-2.6799	302	-2.5944	302	-2.3254	303
8	-2.7412	302	-2.5536	302	-2.4691	302	-2.1970	303
9	-2.6329	302	-2.4402	302	-2.3572	303	-2.0831	303
10	-2.5344	302	-2.3369	303	-2.2558	303	-1.9806	303
11	-2.4437	302	-2.2417	303	-2.1628	303	-1.8871	303
12	-2.3593	303	-2.1531	303	-2.0767	303	-1.8009	304
13	-2.2802	303	-2.0700	303	-1.9965	303	-1.7209	304
14	-2.2056	303	-1.9916	303	-1.9212	303	-1.6461	304
15	-2.1348	303	-1.9171	303	-1.8502	303	-1.5757	304
16	-2.0673	303	-1.8461	303	-1.7828	304	-1.5090	304
17	-2.0027	303	-1.7782	304	-1.7187	304	-1.4456	304
18	-1.9406	303	-1.7130	304	-1.6573	304	-1.3851	304
19	-1.8807	303	-1.6501	304	-1.5985	304	-1.3271	304
20	-1.8228	303	-1.5894	304	-1.5418	304	-1.2713	304
21	-1.7668	304	-1.5306	304	-1.4872	304	-1.2176	304
22	-1.7123	304	-1.4736	304	-1.4343	304	-1.1655	305
23	-1.6593	304	-1.4181	304	-1.3830	304	-1.1151	305
24	-1.6076	304	-1.3640	304	-1.3331	304	-1.0660	305
25	-1.5571	304	-1.3112	304	-1.2845	304	-1.0183	305
26	-1.5076	304	-1.2597	304	-1.2370	304	-0.9717	305
27	-1.4592	304	-1.2092	304	-1.1906	305	-0.9261	305
28	-1.4116	304	-1.1597	305	-1.1451	305	-0.8814	305
29	-1.3648	304	-1.1111	305	-1.1005	305	-0.8376	306
30	-1.3188	304	-1.0633	305	-1.0566	305	-0.7946	309
31	-1.2734	304	-1.0163	305	-1.0134	305	-0.7522	311
32	-1.2286	304	-0.9699	305	-0.9709	305	-0.7105	313
33	-1.1844	305	-0.9242	305	-0.9288	305	-0.6693	315
34	-1.1406	305	-0.8790	305	-0.8873	305	-0.6286	317
35	-1.0973	305	-0.8343	306	-0.8462	306	-0.5884	320
36	-1.0543	305	-0.7900	309	-0.8054	308	-0.5485	322
37	-1.0116	305	-0.7462	311	-0.7650	310	-0.5089	324
38	-0.9692	305	-0.7027	314	-0.7248	312	-0.4697	326
39	-0.9271	305	-0.6595	316	-0.6849	314	-0.4307	328
40	-0.8851	305	-0.6165	318	-0.6452	317	-0.3918	330
41	-0.8432	306	-0.5738	320	-0.6055	319	-0.3532	332
42	-0.8014	308	-0.5312	323	-0.5660	321	-0.3146	334
43	-0.7597	310	-0.4887	324	-0.5265	323	-0.2761	336
44	-0.7180	313	-0.4463	327	-0.4870	325	-0.2376	338
45	-0.6762	315	-0.4039	329	-0.4475	327	-0.1991	340
46	-0.6343	317	-0.3614	332	-0.4079	329	-0.1606	342
47	-0.5923	319	-0.3189	334	-0.3681	331	-0.1219	344
48	-0.5500	322	-0.2763	336	-0.3282	333	-0.0831	347

(cont'd)

Raw Score	Reading/Writing Sessions 1&2/1&2		Reading/Writing Sessions 2&3/1&2		Reading/Writing Sessions 1&2/2&3		Reading/Writing Sessions 2&3/2&3	
	Theta	SS	Theta	SS	Theta	SS	Theta	SS
49	-0.5076	324	-0.2335	339	-0.2881	336	-0.0441	349
50	-0.4648	326	-0.1905	341	-0.2477	338	-0.0049	351
51	-0.4217	328	-0.1472	343	-0.2070	340	0.0346	353
52	-0.3782	331	-0.1035	345	-0.1660	342	0.0745	355
53	-0.3342	333	-0.0595	348	-0.1245	344	0.1147	357
54	-0.2897	336	-0.0150	350	-0.0826	347	0.1554	359
55	-0.2446	338	0.0301	353	-0.0401	349	0.1966	361
56	-0.1988	340	0.0757	355	0.0029	351	0.2384	364
57	-0.1522	342	0.1221	357	0.0466	353	0.2807	366
58	-0.1049	345	0.1692	360	0.0910	356	0.3239	368
59	-0.0565	348	0.2172	363	0.1363	358	0.3678	371
60	-0.0071	351	0.2662	365	0.1824	361	0.4125	373
61	0.0434	353	0.3163	368	0.2295	363	0.4583	375
62	0.0953	356	0.3677	371	0.2778	366	0.5051	378
63	0.1486	359	0.4204	373	0.3272	368	0.5532	380
64	0.2035	362	0.4747	376	0.3780	371	0.6025	383
65	0.2602	365	0.5308	379	0.4303	374	0.6534	386
66	0.3190	368	0.5889	382	0.4843	377	0.7059	389
67	0.3800	371	0.6492	386	0.5401	380	0.7602	391
68	0.4437	374	0.7121	389	0.5980	383	0.8166	394
69	0.5103	378	0.7778	392	0.6582	386	0.8754	395
70	0.5803	382	0.8469	395	0.7211	389	0.9367	395
71	0.6542	386	0.9198	395	0.7870	393	1.0010	395
72	0.7327	390	0.9972	395	0.8563	395	1.0687	395
73	0.8164	394	1.0798	395	0.9295	395	1.1402	395
74	0.9065	395	1.1686	396	1.0072	395	1.2162	396
75	1.0041	395	1.2648	396	1.0902	395	1.2974	396
76	1.1110	395	1.3700	396	1.1796	396	1.3849	396
77	1.2294	396	1.4864	396	1.2765	396	1.4797	396
78	1.3626	396	1.6171	396	1.3825	396	1.5836	396
79	1.5153	396	1.7667	396	1.5000	396	1.6986	396
80	1.6947	396	1.9420	397	1.6322	396	1.8280	397
81	1.9133	397	2.1552	397	1.7836	396	1.9762	397
82	2.1943	397	2.4285	398	1.9616	397	2.1503	397
83	2.5899	398	2.8133	398	2.1785	397	2.3625	397
84	3.2681	399	3.4752	399	2.4574	398	2.6354	398
85	4.0000	400	4.0000	400	2.8506	398	3.0207	398
86					3.5261	399	3.6851	399
87					4.0000	400	4.0000	400

SS = scaled score

**Table C-26. 2004-2008 MEPA: Composite Raw Score
Correspondence for Reading/Writing—Grade Span 9–12, Spring 2005**

Raw Score	Reading/Writing Sessions 1&2/1&2		Reading/Writing Sessions 2&3/1&2		Reading/Writing Sessions 1&2/2&3		Reading/Writing Sessions 2&3/2&3	
	Theta	SS	Theta	SS	Theta	SS	Theta	SS
0	-4.0000	300	-4.0000	300	-4.0000	300	-4.0000	300
1	-4.0000	300	-4.0000	300	-4.0000	300	-4.0000	300
2	-3.9087	300	-3.8045	300	-3.7814	300	-3.6461	301
3	-3.5529	301	-3.4348	301	-3.4108	301	-3.2526	301
4	-3.3027	301	-3.1740	301	-3.1493	301	-2.9735	302
5	-3.1090	301	-2.9715	302	-2.9462	302	-2.7565	302
6	-2.9501	302	-2.8052	302	-2.7796	302	-2.5784	302
7	-2.8150	302	-2.6634	302	-2.6376	302	-2.4269	303
8	-2.6969	302	-2.5391	302	-2.5134	302	-2.2945	303
9	-2.5915	302	-2.4281	303	-2.4027	303	-2.1768	303
10	-2.4961	302	-2.3273	303	-2.3024	303	-2.0703	303
11	-2.4086	303	-2.2347	303	-2.2106	303	-1.9730	303
12	-2.3275	303	-2.1488	303	-2.1256	303	-1.8831	303
13	-2.2518	303	-2.0683	303	-2.0463	303	-1.7994	304
14	-2.1806	303	-1.9925	303	-1.9717	303	-1.7210	304
15	-2.1132	303	-1.9205	303	-1.9013	303	-1.6470	304
16	-2.0491	303	-1.8520	303	-1.8345	303	-1.5769	304
17	-1.9878	303	-1.7863	304	-1.7707	304	-1.5101	304
18	-1.9290	303	-1.7232	304	-1.7096	304	-1.4462	304
19	-1.8723	303	-1.6623	304	-1.6508	304	-1.3850	304
20	-1.8176	304	-1.6033	304	-1.5942	304	-1.3261	304
21	-1.7646	304	-1.5461	304	-1.5395	304	-1.2692	304
22	-1.7131	304	-1.4905	304	-1.4865	304	-1.2143	304
23	-1.6629	304	-1.4363	304	-1.4349	304	-1.1609	305
24	-1.6140	304	-1.3833	304	-1.3847	304	-1.1091	305
25	-1.5661	304	-1.3314	304	-1.3358	304	-1.0587	305
26	-1.5192	304	-1.2805	304	-1.2879	304	-1.0095	305
27	-1.4731	304	-1.2306	304	-1.2411	304	-0.9615	305
28	-1.4279	304	-1.1815	305	-1.1951	305	-0.9144	305
29	-1.3833	304	-1.1331	305	-1.1500	305	-0.8684	305
30	-1.3394	304	-1.0854	305	-1.1056	305	-0.8231	307
31	-1.2960	304	-1.0384	305	-1.0619	305	-0.7787	309
32	-1.2530	304	-0.9919	305	-1.0188	305	-0.7349	312
33	-1.2106	304	-0.9459	305	-0.9762	305	-0.6918	314
34	-1.1685	305	-0.9003	305	-0.9341	305	-0.6493	316
35	-1.1267	305	-0.8552	305	-0.8924	305	-0.6073	319
36	-1.0852	305	-0.8104	308	-0.8511	306	-0.5658	321
37	-1.0439	305	-0.7659	310	-0.8101	308	-0.5247	323
38	-1.0028	305	-0.7217	312	-0.7694	310	-0.4840	325
39	-0.9618	305	-0.6778	315	-0.7289	312	-0.4435	327
40	-0.9209	305	-0.6341	317	-0.6886	314	-0.4034	329
41	-0.8801	304	-0.5905	319	-0.6484	316	-0.3635	332
42	-0.8393	306	-0.5471	322	-0.6083	319	-0.3238	334
43	-0.7985	308	-0.5037	324	-0.5683	321	-0.2842	336
44	-0.7575	311	-0.4605	326	-0.5283	323	-0.2447	338
45	-0.7165	313	-0.4172	329	-0.4883	324	-0.2053	340
46	-0.6753	315	-0.3739	331	-0.4482	327	-0.1659	342
47	-0.6339	317	-0.3306	333	-0.4079	329	-0.1265	344
48	-0.5922	319	-0.2872	336	-0.3675	331	-0.0870	346

(cont'd)

Raw Score	Reading/Writing Sessions 1&2/1&2		Reading/Writing Sessions 2&3/1&2		Reading/Writing Sessions 1&2/2&3		Reading/Writing Sessions 2&3/2&3	
	Theta	SS	Theta	SS	Theta	SS	Theta	SS
49	-0.5503	322	-0.2437	338	-0.3269	334	-0.0474	348
50	-0.5080	324	-0.1999	340	-0.2861	336	-0.0077	351
51	-0.4653	326	-0.1560	342	-0.2449	338	0.0323	353
52	-0.4222	328	-0.1118	345	-0.2034	340	0.0725	355
53	-0.3785	331	-0.0672	347	-0.1615	342	0.1130	357
54	-0.3343	333	-0.0223	350	-0.1191	345	0.1539	359
55	-0.2894	336	0.0231	352	-0.0762	347	0.1952	361
56	-0.2438	338	0.0690	355	-0.0328	349	0.2370	364
57	-0.1975	340	0.1155	357	0.0114	352	0.2793	366
58	-0.1502	342	0.1626	360	0.0563	354	0.3222	368
59	-0.1020	346	0.2105	362	0.1019	356	0.3658	370
60	-0.0527	348	0.2593	365	0.1485	359	0.4102	373
61	-0.0022	351	0.3090	367	0.1961	361	0.4555	375
62	0.0496	354	0.3598	370	0.2448	364	0.5018	378
63	0.1029	356	0.4119	373	0.2948	367	0.5491	380
64	0.1578	359	0.4653	376	0.3460	369	0.5977	383
65	0.2146	362	0.5203	379	0.3988	372	0.6476	385
66	0.2734	366	0.5770	382	0.4533	375	0.6990	388
67	0.3346	369	0.6358	385	0.5097	378	0.7521	391
68	0.3984	372	0.6969	388	0.5682	381	0.8072	394
69	0.4651	376	0.7607	392	0.6290	384	0.8644	397
70	0.5353	379	0.8275	395	0.6925	388	0.9240	395
71	0.6095	383	0.8978	395	0.7590	391	0.9865	395
72	0.6882	388	0.9722	395	0.8289	395	1.0522	395
73	0.7722	392	1.0516	395	0.9029	395	1.1216	395
74	0.8627	397	1.1368	395	0.9813	395	1.1953	396
75	0.9607	395	1.2290	396	1.0652	395	1.2741	396
76	1.0682	395	1.3300	396	1.1553	395	1.3589	396
77	1.1873	395	1.4418	396	1.2531	396	1.4510	396
78	1.3213	396	1.5676	396	1.3601	396	1.5519	396
79	1.4750	396	1.7120	396	1.4786	396	1.6640	396
80	1.6557	396	1.8822	397	1.6119	396	1.7904	396
81	1.8758	397	2.0902	397	1.7646	396	1.9356	397
82	2.1586	397	2.3588	397	1.9440	397	2.1070	397
83	2.5567	398	2.7397	398	2.1624	397	2.3165	397
84	3.2380	399	3.3988	399	2.4431	398	2.5873	398
85	4.0000	400	4.0000	400	2.8384	398	2.9712	398
86					3.5166	399	3.6351	399
87					4.0000	400	4.0000	400

SS = scaled score

**Table C-27. 2004-2008 MEPA: Composite Raw Score
Correspondence for Reading/Writing—Grade Span 9–12, Fall 2005**

Raw Score	Reading/Writing Sessions 1&2/1&2		Reading/Writing Sessions 2&3/1&2		Reading/Writing Sessions 1&2/2&3		Reading/Writing Sessions 2&3/2&3	
	Theta	SS	Theta	SS	Theta	SS	Theta	SS
0	-4.0000	300	-4.0000	300	-4.0000	300	-4.0000	300
1	-4.0000	300	-4.0000	300	-4.0000	300	-4.0000	300
2	-3.9087	300	-3.8045	300	-3.7814	300	-3.6461	301
3	-3.5529	301	-3.4348	301	-3.4108	301	-3.2526	301
4	-3.3027	301	-3.1740	301	-3.1493	301	-2.9735	302
5	-3.1090	301	-2.9715	302	-2.9462	302	-2.7565	302
6	-2.9501	302	-2.8052	302	-2.7796	302	-2.5784	302
7	-2.8150	302	-2.6634	302	-2.6376	302	-2.4269	303
8	-2.6969	302	-2.5391	302	-2.5134	302	-2.2945	303
9	-2.5915	302	-2.4281	303	-2.4027	303	-2.1768	303
10	-2.4961	302	-2.3273	303	-2.3024	303	-2.0703	303
11	-2.4086	303	-2.2347	303	-2.2106	303	-1.9730	303
12	-2.3275	303	-2.1488	303	-2.1256	303	-1.8831	303
13	-2.2518	303	-2.0683	303	-2.0463	303	-1.7994	304
14	-2.1806	303	-1.9925	303	-1.9717	303	-1.7210	304
15	-2.1132	303	-1.9205	303	-1.9013	303	-1.6470	304
16	-2.0491	303	-1.8520	303	-1.8345	303	-1.5769	304
17	-1.9878	303	-1.7863	304	-1.7707	304	-1.5101	304
18	-1.9290	303	-1.7232	304	-1.7096	304	-1.4462	304
19	-1.8723	303	-1.6623	304	-1.6508	304	-1.3850	304
20	-1.8176	304	-1.6033	304	-1.5942	304	-1.3261	304
21	-1.7646	304	-1.5461	304	-1.5395	304	-1.2692	304
22	-1.7131	304	-1.4905	304	-1.4865	304	-1.2143	304
23	-1.6629	304	-1.4363	304	-1.4349	304	-1.1609	305
24	-1.6140	304	-1.3833	304	-1.3847	304	-1.1091	305
25	-1.5661	304	-1.3314	304	-1.3358	304	-1.0587	305
26	-1.5192	304	-1.2805	304	-1.2879	304	-1.0095	305
27	-1.4731	304	-1.2306	304	-1.2411	304	-0.9615	305
28	-1.4279	304	-1.1815	305	-1.1951	305	-0.9144	305
29	-1.3833	304	-1.1331	305	-1.1500	305	-0.8684	305
30	-1.3394	304	-1.0854	305	-1.1056	305	-0.8231	307
31	-1.2960	304	-1.0384	305	-1.0619	305	-0.7787	309
32	-1.2530	304	-0.9919	305	-1.0188	305	-0.7349	312
33	-1.2106	304	-0.9459	305	-0.9762	305	-0.6918	314
34	-1.1685	305	-0.9003	305	-0.9341	305	-0.6493	316
35	-1.1267	305	-0.8552	305	-0.8924	305	-0.6073	319
36	-1.0852	305	-0.8104	308	-0.8511	306	-0.5658	321
37	-1.0439	305	-0.7659	310	-0.8101	308	-0.5247	323
38	-1.0028	305	-0.7217	312	-0.7694	310	-0.4840	325
39	-0.9618	305	-0.6778	315	-0.7289	312	-0.4435	327
40	-0.9209	305	-0.6341	317	-0.6886	314	-0.4034	329
41	-0.8801	304	-0.5905	319	-0.6484	316	-0.3635	332
42	-0.8393	306	-0.5471	322	-0.6083	319	-0.3238	334
43	-0.7985	308	-0.5037	324	-0.5683	321	-0.2842	336
44	-0.7575	311	-0.4605	326	-0.5283	323	-0.2447	338
45	-0.7165	313	-0.4172	329	-0.4883	324	-0.2053	340
46	-0.6753	315	-0.3739	331	-0.4482	327	-0.1659	342
47	-0.6339	317	-0.3306	333	-0.4079	329	-0.1265	344
48	-0.5922	319	-0.2872	336	-0.3675	331	-0.0870	346

(cont'd)

Raw Score	Reading/Writing Sessions 1&2/1&2		Reading/Writing Sessions 2&3/1&2		Reading/Writing Sessions 1&2/2&3		Reading/Writing Sessions 2&3/2&3	
	Theta	SS	Theta	SS	Theta	SS	Theta	SS
49	-0.5503	322	-0.2437	338	-0.3269	334	-0.0474	348
50	-0.5080	324	-0.1999	340	-0.2861	336	-0.0077	351
51	-0.4653	326	-0.1560	342	-0.2449	338	0.0323	353
52	-0.4222	328	-0.1118	345	-0.2034	340	0.0725	355
53	-0.3785	331	-0.0672	347	-0.1615	342	0.1130	357
54	-0.3343	333	-0.0223	350	-0.1191	345	0.1539	359
55	-0.2894	336	0.0231	352	-0.0762	347	0.1952	361
56	-0.2438	338	0.0690	355	-0.0328	349	0.2370	364
57	-0.1975	340	0.1155	357	0.0114	352	0.2793	366
58	-0.1502	342	0.1626	360	0.0563	354	0.3222	368
59	-0.1020	346	0.2105	362	0.1019	356	0.3658	370
60	-0.0527	348	0.2593	365	0.1485	359	0.4102	373
61	-0.0022	351	0.3090	367	0.1961	361	0.4555	375
62	0.0496	354	0.3598	370	0.2448	364	0.5018	378
63	0.1029	356	0.4119	373	0.2948	367	0.5491	380
64	0.1578	359	0.4653	376	0.3460	369	0.5977	383
65	0.2146	362	0.5203	379	0.3988	372	0.6476	385
66	0.2734	366	0.5770	382	0.4533	375	0.6990	388
67	0.3346	369	0.6358	385	0.5097	378	0.7521	391
68	0.3984	372	0.6969	388	0.5682	381	0.8072	394
69	0.4651	376	0.7607	392	0.6290	384	0.8644	397
70	0.5353	379	0.8275	395	0.6925	388	0.9240	395
71	0.6095	383	0.8978	395	0.7590	391	0.9865	395
72	0.6882	388	0.9722	395	0.8289	395	1.0522	395
73	0.7722	392	1.0516	395	0.9029	395	1.1216	395
74	0.8627	397	1.1368	395	0.9813	395	1.1953	396
75	0.9607	395	1.2290	396	1.0652	395	1.2741	396
76	1.0682	395	1.3300	396	1.1553	395	1.3589	396
77	1.1873	395	1.4418	396	1.2531	396	1.4510	396
78	1.3213	396	1.5676	396	1.3601	396	1.5519	396
79	1.4750	396	1.7120	396	1.4786	396	1.6640	396
80	1.6557	396	1.8822	397	1.6119	396	1.7904	396
81	1.8758	397	2.0902	397	1.7646	396	1.9356	397
82	2.1586	397	2.3588	397	1.9440	397	2.1070	397
83	2.5567	398	2.7397	398	2.1624	397	2.3165	397
84	3.2380	399	3.3988	399	2.4431	398	2.5873	398
85	4.0000	400	4.0000	400	2.8384	398	2.9712	398
86					3.5166	399	3.6351	399
87					4.0000	400	4.0000	400

SS = scaled score

**Table C-28. 2004-2008 MEPA: Composite Raw Score
Correspondence for Reading/Writing—Grade Span 9–12, Spring 2006**

Raw Score	Reading/Writing Sessions 1&2/1&2		Reading/Writing Sessions 2&3/1&2		Reading/Writing Sessions 1&2/2&3		Reading/Writing Sessions 2&3/2&3	
	Theta	SS	Theta	SS	Theta	SS	Theta	SS
0	-4.0000	300	-4.0000	300	-4.0000	300	-4.0000	300
1	-4.0000	300	-4.0000	300	-4.0000	300	-4.0000	300
2	-3.9889	300	-3.8771	300	-3.8406	300	-3.6917	300
3	-3.6272	301	-3.5038	301	-3.4614	301	-3.2913	301
4	-3.3717	301	-3.2391	301	-3.1924	301	-3.0066	302
5	-3.1730	301	-3.0329	302	-2.9827	302	-2.7851	302
6	-3.0093	302	-2.8628	302	-2.8100	302	-2.6033	302
7	-2.8695	302	-2.7174	302	-2.6625	302	-2.4488	302
8	-2.7469	302	-2.5897	302	-2.5332	302	-2.3141	303
9	-2.6372	302	-2.4755	302	-2.4179	303	-2.1944	303
10	-2.5377	302	-2.3717	303	-2.3133	303	-2.0865	303
11	-2.4462	302	-2.2763	303	-2.2175	303	-1.9880	303
12	-2.3613	303	-2.1877	303	-2.1289	303	-1.8973	303
13	-2.2819	303	-2.1049	303	-2.0463	303	-1.8130	304
14	-2.2071	303	-2.0268	303	-1.9688	303	-1.7342	304
15	-2.1363	303	-1.9528	303	-1.8956	303	-1.6599	304
16	-2.0690	303	-1.8823	303	-1.8263	304	-1.5897	304
17	-2.0046	303	-1.8149	303	-1.7602	304	-1.5229	304
18	-1.9427	303	-1.7502	304	-1.6970	304	-1.4592	304
19	-1.8832	303	-1.6879	304	-1.6363	304	-1.3982	304
20	-1.8258	303	-1.6277	304	-1.5780	304	-1.3395	304
21	-1.7701	304	-1.5693	304	-1.5216	304	-1.2830	304
22	-1.7160	304	-1.5127	304	-1.4671	304	-1.2283	304
23	-1.6634	304	-1.4575	304	-1.4142	304	-1.1754	305
24	-1.6121	304	-1.4037	304	-1.3627	304	-1.1239	305
25	-1.5619	304	-1.3511	304	-1.3126	304	-1.0738	305
26	-1.5128	304	-1.2996	304	-1.2637	304	-1.0249	305
27	-1.4647	304	-1.2491	304	-1.2158	304	-0.9771	305
28	-1.4174	304	-1.1995	304	-1.1689	305	-0.9304	305
29	-1.3709	304	-1.1507	305	-1.1228	305	-0.8845	305
30	-1.3250	304	-1.1027	305	-1.0776	305	-0.8394	306
31	-1.2798	304	-1.0554	305	-1.0330	305	-0.7951	309
32	-1.2351	304	-1.0086	305	-0.9891	305	-0.7514	311
33	-1.1909	305	-0.9624	305	-0.9458	305	-0.7083	313
34	-1.1471	305	-0.9167	305	-0.9029	305	-0.6657	315
35	-1.1037	305	-0.8714	305	-0.8605	305	-0.6235	318
36	-1.0606	305	-0.8264	307	-0.8185	307	-0.5818	320
37	-1.0178	305	-0.7818	309	-0.7768	310	-0.5403	322
38	-0.9752	305	-0.7375	312	-0.7354	312	-0.4992	324
39	-0.9328	305	-0.6934	314	-0.6943	314	-0.4583	327
40	-0.8905	305	-0.6494	316	-0.6533	316	-0.4176	329
41	-0.8483	306	-0.6057	319	-0.6124	318	-0.3770	331
42	-0.8062	308	-0.5619	321	-0.5716	320	-0.3365	333
43	-0.7640	310	-0.5183	323	-0.5309	323	-0.2960	335
44	-0.7218	312	-0.4746	326	-0.4902	324	-0.2555	337
45	-0.6795	315	-0.4309	328	-0.4494	327	-0.2150	339
46	-0.6371	317	-0.3871	330	-0.4085	329	-0.1744	342
47	-0.5945	319	-0.3432	333	-0.3675	331	-0.1337	344
48	-0.5516	322	-0.2990	335	-0.3262	334	-0.0927	346

(cont'd)

Raw Score	Reading/Writing Sessions 1&2/1&2		Reading/Writing Sessions 2&3/1&2		Reading/Writing Sessions 1&2/2&3		Reading/Writing Sessions 2&3/2&3	
	Theta	SS	Theta	SS	Theta	SS	Theta	SS
49	-0.5085	324	-0.2547	337	-0.2848	336	-0.0515	348
50	-0.4651	326	-0.2100	340	-0.2430	338	-0.0101	350
51	-0.4212	329	-0.1650	342	-0.2010	340	0.0317	353
52	-0.3770	331	-0.1196	345	-0.1585	342	0.0739	355
53	-0.3322	333	-0.0737	347	-0.1155	345	0.1165	357
54	-0.2868	336	-0.0272	350	-0.0721	347	0.1597	359
55	-0.2408	338	0.0198	352	-0.0280	349	0.2034	362
56	-0.1941	341	0.0676	355	0.0166	352	0.2477	364
57	-0.1466	343	0.1161	357	0.0620	354	0.2927	367
58	-0.0982	346	0.1654	360	0.1083	357	0.3385	369
59	-0.0489	348	0.2157	362	0.1554	359	0.3852	371
60	0.0016	351	0.2671	365	0.2034	362	0.4328	374
61	0.0534	354	0.3197	368	0.2526	364	0.4814	377
62	0.1064	357	0.3736	371	0.3030	367	0.5312	379
63	0.1610	360	0.4290	374	0.3547	370	0.5823	382
64	0.2173	363	0.4860	377	0.4078	373	0.6348	385
65	0.2755	366	0.5449	380	0.4626	376	0.6888	388
66	0.3359	369	0.6058	383	0.5192	379	0.7445	391
67	0.3986	372	0.6691	387	0.5778	382	0.8021	394
68	0.4641	376	0.7350	390	0.6386	385	0.8619	395
69	0.5327	379	0.8039	394	0.7020	388	0.9240	395
70	0.6048	383	0.8762	395	0.7681	392	0.9888	395
71	0.6810	387	0.9524	395	0.8374	395	1.0566	395
72	0.7620	392	1.0332	395	0.9104	395	1.1279	395
73	0.8486	395	1.1193	395	0.9874	395	1.2031	396
74	0.9418	395	1.2116	396	1.0693	395	1.2828	396
75	1.0430	395	1.3115	396	1.1567	396	1.3678	396
76	1.1539	395	1.4205	396	1.2507	396	1.4591	396
77	1.2768	396	1.5410	396	1.3525	396	1.5579	396
78	1.4152	396	1.6760	396	1.4638	396	1.6659	396
79	1.5739	396	1.8302	397	1.5870	396	1.7853	396
80	1.7605	396	2.0109	397	1.7252	396	1.9192	397
81	1.9875	397	2.2302	397	1.8833	397	2.0724	397
82	2.2786	397	2.5111	398	2.0686	397	2.2521	397
83	2.6868	398	2.9057	398	2.2935	397	2.4706	398
84	3.3810	399	3.5812	399	2.5816	398	2.7509	398
85	4.0000	400	4.0000	400	2.9854	398	3.1456	399
86					3.6739	399	3.8223	400
87					4.0000	400	4.0000	400

SS = scaled score

**Table C-29. 2004-2008 MEPA: Composite Raw Score
Correspondence for Reading/Writing—Grade Span 9–12, Fall 2006**

Raw Score	Reading/Writing Sessions 1&2/1&2		Reading/Writing Sessions 2&3/1&2		Reading/Writing Sessions 1&2/2&3		Reading/Writing Sessions 2&3/2&3	
	Theta	SS	Theta	SS	Theta	SS	Theta	SS
0	-4.0000	300	-4.0000	300	-4.0000	300	-4.0000	300
1	-4.0000	300	-4.0000	300	-4.0000	300	-4.0000	300
2	-3.9889	300	-3.8771	300	-3.8406	300	-3.6917	300
3	-3.6272	301	-3.5038	301	-3.4614	301	-3.2913	301
4	-3.3717	301	-3.2391	301	-3.1924	301	-3.0066	302
5	-3.1730	301	-3.0329	302	-2.9827	302	-2.7851	302
6	-3.0093	302	-2.8628	302	-2.8100	302	-2.6033	302
7	-2.8695	302	-2.7174	302	-2.6625	302	-2.4488	302
8	-2.7469	302	-2.5897	302	-2.5332	302	-2.3141	303
9	-2.6372	302	-2.4755	302	-2.4179	303	-2.1944	303
10	-2.5377	302	-2.3717	303	-2.3133	303	-2.0865	303
11	-2.4462	302	-2.2763	303	-2.2175	303	-1.9880	303
12	-2.3613	303	-2.1877	303	-2.1289	303	-1.8973	303
13	-2.2819	303	-2.1049	303	-2.0463	303	-1.8130	304
14	-2.2071	303	-2.0268	303	-1.9688	303	-1.7342	304
15	-2.1363	303	-1.9528	303	-1.8956	303	-1.6599	304
16	-2.0690	303	-1.8823	303	-1.8263	304	-1.5897	304
17	-2.0046	303	-1.8149	303	-1.7602	304	-1.5229	304
18	-1.9427	303	-1.7502	304	-1.6970	304	-1.4592	304
19	-1.8832	303	-1.6879	304	-1.6363	304	-1.3982	304
20	-1.8258	303	-1.6277	304	-1.5780	304	-1.3395	304
21	-1.7701	304	-1.5693	304	-1.5216	304	-1.2830	304
22	-1.7160	304	-1.5127	304	-1.4671	304	-1.2283	304
23	-1.6634	304	-1.4575	304	-1.4142	304	-1.1754	305
24	-1.6121	304	-1.4037	304	-1.3627	304	-1.1239	305
25	-1.5619	304	-1.3511	304	-1.3126	304	-1.0738	305
26	-1.5128	304	-1.2996	304	-1.2637	304	-1.0249	305
27	-1.4647	304	-1.2491	304	-1.2158	304	-0.9771	305
28	-1.4174	304	-1.1995	304	-1.1689	305	-0.9304	305
29	-1.3709	304	-1.1507	305	-1.1228	305	-0.8845	305
30	-1.3250	304	-1.1027	305	-1.0776	305	-0.8394	306
31	-1.2798	304	-1.0554	305	-1.0330	305	-0.7951	309
32	-1.2351	304	-1.0086	305	-0.9891	305	-0.7514	311
33	-1.1909	305	-0.9624	305	-0.9458	305	-0.7083	313
34	-1.1471	305	-0.9167	305	-0.9029	305	-0.6657	315
35	-1.1037	305	-0.8714	305	-0.8605	305	-0.6235	318
36	-1.0606	305	-0.8264	307	-0.8185	307	-0.5818	320
37	-1.0178	305	-0.7818	309	-0.7768	310	-0.5403	322
38	-0.9752	305	-0.7375	312	-0.7354	312	-0.4992	324
39	-0.9328	305	-0.6934	314	-0.6943	314	-0.4583	327
40	-0.8905	305	-0.6494	316	-0.6533	316	-0.4176	329
41	-0.8483	306	-0.6057	319	-0.6124	318	-0.3770	331
42	-0.8062	308	-0.5619	321	-0.5716	320	-0.3365	333
43	-0.7640	310	-0.5183	323	-0.5309	323	-0.2960	335
44	-0.7218	312	-0.4746	326	-0.4902	324	-0.2555	337
45	-0.6795	315	-0.4309	328	-0.4494	327	-0.2150	339
46	-0.6371	317	-0.3871	330	-0.4085	329	-0.1744	342
47	-0.5945	319	-0.3432	333	-0.3675	331	-0.1337	344
48	-0.5516	322	-0.2990	335	-0.3262	334	-0.0927	346

(cont'd)

Raw Score	Reading/Writing Sessions 1&2/1&2		Reading/Writing Sessions 2&3/1&2		Reading/Writing Sessions 1&2/2&3		Reading/Writing Sessions 2&3/2&3	
	Theta	SS	Theta	SS	Theta	SS	Theta	SS
49	-0.5085	324	-0.2547	337	-0.2848	336	-0.0515	348
50	-0.4651	326	-0.2100	340	-0.2430	338	-0.0101	350
51	-0.4212	329	-0.1650	342	-0.2010	340	0.0317	353
52	-0.3770	331	-0.1196	345	-0.1585	342	0.0739	355
53	-0.3322	333	-0.0737	347	-0.1155	345	0.1165	357
54	-0.2868	336	-0.0272	350	-0.0721	347	0.1597	359
55	-0.2408	338	0.0198	352	-0.0280	349	0.2034	362
56	-0.1941	341	0.0676	355	0.0166	352	0.2477	364
57	-0.1466	343	0.1161	357	0.0620	354	0.2927	367
58	-0.0982	346	0.1654	360	0.1083	357	0.3385	369
59	-0.0489	348	0.2157	362	0.1554	359	0.3852	371
60	0.0016	351	0.2671	365	0.2034	362	0.4328	374
61	0.0534	354	0.3197	368	0.2526	364	0.4814	377
62	0.1064	357	0.3736	371	0.3030	367	0.5312	379
63	0.1610	360	0.4290	374	0.3547	370	0.5823	382
64	0.2173	363	0.4860	377	0.4078	373	0.6348	385
65	0.2755	366	0.5449	380	0.4626	376	0.6888	388
66	0.3359	369	0.6058	383	0.5192	379	0.7445	391
67	0.3986	372	0.6691	387	0.5778	382	0.8021	394
68	0.4641	376	0.7350	390	0.6386	385	0.8619	395
69	0.5327	379	0.8039	394	0.7020	388	0.9240	395
70	0.6048	383	0.8762	395	0.7681	392	0.9888	395
71	0.6810	387	0.9524	395	0.8374	395	1.0566	395
72	0.7620	392	1.0332	395	0.9104	395	1.1279	395
73	0.8486	395	1.1193	395	0.9874	395	1.2031	396
74	0.9418	395	1.2116	396	1.0693	395	1.2828	396
75	1.0430	395	1.3115	396	1.1567	396	1.3678	396
76	1.1539	395	1.4205	396	1.2507	396	1.4591	396
77	1.2768	396	1.5410	396	1.3525	396	1.5579	396
78	1.4152	396	1.6760	396	1.4638	396	1.6659	396
79	1.5739	396	1.8302	397	1.5870	396	1.7853	396
80	1.7605	396	2.0109	397	1.7252	396	1.9192	397
81	1.9875	397	2.2302	397	1.8833	397	2.0724	397
82	2.2786	397	2.5111	398	2.0686	397	2.2521	397
83	2.6868	398	2.9057	398	2.2935	397	2.4706	398
84	3.3810	399	3.5812	399	2.5816	398	2.7509	398
85	4.0000	400	4.0000	400	2.9854	398	3.1456	399
86					3.6739	399	3.8223	400
87					4.0000	400	4.0000	400

SS = scaled score

**Table C-30. 2004-2008 MEPA: Composite Raw Score
Correspondence for Reading/Writing—Grade Span 9–12, Spring 2007**

Raw Score	Reading/Writing Sessions 1&2/1&2		Reading/Writing Sessions 2&3/1&2		Reading/Writing Sessions 1&2/2&3		Reading/Writing Sessions 2&3/2&3	
	Theta	SS	Theta	SS	Theta	SS	Theta	SS
0	-4.0000	300	-4.0000	300	-4.0000	300	-4.0000	300
1	-4.0000	300	-4.0000	300	-4.0000	300	-4.0000	300
2	-4.0000	300	-3.9384	300	-3.8738	300	-3.7381	300
3	-3.6756	301	-3.5661	301	-3.4903	301	-3.3319	301
4	-3.4201	301	-3.3015	301	-3.2172	301	-3.0425	302
5	-3.2206	301	-3.0945	301	-3.0036	302	-2.8169	302
6	-3.0558	302	-2.9232	302	-2.8274	302	-2.6316	302
7	-2.9144	302	-2.7760	302	-2.6767	302	-2.4740	302
8	-2.7899	302	-2.6462	302	-2.5446	302	-2.3365	303
9	-2.6782	302	-2.5296	302	-2.4268	303	-2.2143	303
10	-2.5765	302	-2.4232	303	-2.3201	303	-2.1041	303
11	-2.4828	302	-2.3250	303	-2.2225	303	-2.0036	303
12	-2.3957	303	-2.2335	303	-2.1324	303	-1.9110	303
13	-2.3141	303	-2.1478	303	-2.0485	303	-1.8249	303
14	-2.2371	303	-2.0668	303	-1.9700	303	-1.7445	304
15	-2.1642	303	-1.9899	303	-1.8960	303	-1.6688	304
16	-2.0947	303	-1.9166	303	-1.8259	303	-1.5972	304
17	-2.0283	303	-1.8465	303	-1.7593	304	-1.5292	304
18	-1.9645	303	-1.7791	304	-1.6957	304	-1.4643	304
19	-1.9032	303	-1.7142	304	-1.6347	304	-1.4022	304
20	-1.8440	303	-1.6516	304	-1.5762	304	-1.3426	304
21	-1.7867	304	-1.5909	304	-1.5197	304	-1.2851	304
22	-1.7312	304	-1.5320	304	-1.4652	304	-1.2296	304
23	-1.6772	304	-1.4748	304	-1.4123	304	-1.1758	305
24	-1.6246	304	-1.4190	304	-1.3609	304	-1.1236	305
25	-1.5733	304	-1.3646	304	-1.3109	304	-1.0729	305
26	-1.5232	304	-1.3114	304	-1.2622	304	-1.0234	305
27	-1.4741	304	-1.2593	304	-1.2146	304	-0.9750	305
28	-1.4260	304	-1.2083	304	-1.1679	305	-0.9277	305
29	-1.3787	304	-1.1582	305	-1.1222	305	-0.8814	305
30	-1.3322	304	-1.1089	305	-1.0773	305	-0.8359	306
31	-1.2865	304	-1.0604	305	-1.0331	305	-0.7912	309
32	-1.2414	304	-1.0125	305	-0.9896	305	-0.7472	311
33	-1.1968	305	-0.9654	305	-0.9467	305	-0.7038	313
34	-1.1528	305	-0.9188	305	-0.9043	305	-0.6610	316
35	-1.1092	305	-0.8727	305	-0.8623	305	-0.6187	318
36	-1.0660	305	-0.8270	307	-0.8208	307	-0.5768	320
37	-1.0232	305	-0.7818	309	-0.7796	309	-0.5353	322
38	-0.9807	305	-0.7369	312	-0.7386	312	-0.4941	324
39	-0.9383	305	-0.6923	314	-0.6980	314	-0.4532	327
40	-0.8962	305	-0.6479	316	-0.6575	316	-0.4125	329
41	-0.8543	305	-0.6038	319	-0.6171	318	-0.3720	331
42	-0.8124	308	-0.5598	321	-0.5769	320	-0.3317	333
43	-0.7706	310	-0.5160	323	-0.5367	322	-0.2915	335
44	-0.7288	312	-0.4722	326	-0.4965	324	-0.2513	338
45	-0.6869	314	-0.4284	328	-0.4563	327	-0.2111	340
46	-0.6450	317	-0.3847	330	-0.4160	329	-0.1709	342
47	-0.6029	319	-0.3408	333	-0.3756	331	-0.1306	344
48	-0.5606	321	-0.2968	335	-0.3350	333	-0.0902	346

(cont'd)

Raw Score	Reading/Writing Sessions 1&2/1&2		Reading/Writing Sessions 2&3/1&2		Reading/Writing Sessions 1&2/2&3		Reading/Writing Sessions 2&3/2&3	
	Theta	SS	Theta	SS	Theta	SS	Theta	SS
49	-0.5181	323	-0.2527	337	-0.2942	335	-0.0496	348
50	-0.4753	326	-0.2083	340	-0.2532	337	-0.0088	350
51	-0.4321	328	-0.1637	342	-0.2118	340	0.0322	353
52	-0.3886	330	-0.1187	345	-0.1700	342	0.0736	355
53	-0.3445	333	-0.0734	347	-0.1278	344	0.1154	357
54	-0.3000	335	-0.0276	349	-0.0852	346	0.1575	359
55	-0.2548	337	0.0188	352	-0.0420	349	0.2002	362
56	-0.2089	340	0.0657	354	0.0019	351	0.2434	364
57	-0.1623	342	0.1134	357	0.0464	353	0.2872	366
58	-0.1149	345	0.1617	360	0.0916	356	0.3317	369
59	-0.0664	347	0.2110	362	0.1377	358	0.3770	371
60	-0.0170	350	0.2612	365	0.1847	361	0.4232	374
61	0.0337	353	0.3125	368	0.2327	363	0.4703	376
62	0.0857	356	0.3650	370	0.2819	366	0.5184	379
63	0.1391	358	0.4189	373	0.3323	369	0.5678	381
64	0.1942	361	0.4743	376	0.3840	371	0.6184	384
65	0.2510	364	0.5314	379	0.4374	374	0.6705	387
66	0.3100	367	0.5904	382	0.4924	377	0.7242	390
67	0.3713	371	0.6517	386	0.5493	380	0.7797	393
68	0.4352	374	0.7155	389	0.6083	383	0.8373	395
69	0.5020	378	0.7820	393	0.6697	387	0.8971	395
70	0.5723	381	0.8519	395	0.7338	390	0.9595	395
71	0.6465	385	0.9255	395	0.8009	394	1.0249	395
72	0.7252	390	1.0035	395	0.8714	395	1.0935	395
73	0.8093	394	1.0866	395	0.9460	395	1.1661	396
74	0.8997	395	1.1758	396	1.0251	395	1.2430	396
75	0.9978	395	1.2723	396	1.1095	395	1.3252	396
76	1.1051	395	1.3778	396	1.2003	396	1.4136	396
77	1.2239	396	1.4944	396	1.2987	396	1.5094	396
78	1.3576	396	1.6253	396	1.4063	396	1.6143	396
79	1.5106	396	1.7751	396	1.5255	396	1.7304	396
80	1.6904	396	1.9508	397	1.6593	396	1.8610	397
81	1.9092	397	2.1646	397	1.8125	397	2.0107	397
82	2.1900	397	2.4390	398	1.9924	397	2.1866	397
83	2.5851	398	2.8257	398	2.2112	397	2.4009	397
84	3.2618	399	3.4909	399	2.4921	398	2.6767	398
85	4.0000	400	4.0000	400	2.8874	398	3.0658	399
86					3.5651	399	3.7357	400
87					4.0000	400	4.0000	400

SS = scaled score

**Table C-31. 2004-2008 MEPA: Composite Raw Score
Correspondence for Reading/Writing—Grade Span 9–12, Fall 2007**

Raw Score	Reading/Writing		Reading/Writing		Reading/Writing		Reading/Writing	
	Sessions 1&2/1&2		Sessions 2&3/1&2		Sessions 1&2/2&3		Sessions 2&3/2&3	
	Theta	SS	Theta	SS	Theta	SS	Theta	SS
0	-4.0000	300	-4.0000	300	-4.0000	300	-4.0000	300
1	-4.0000	300	-4.0000	300	-4.0000	300	-4.0000	300
2	-3.9087	300	-3.8045	300	-3.7814	300	-3.6461	301
3	-3.5529	301	-3.4348	301	-3.4108	301	-3.2526	301
4	-3.3027	301	-3.1740	301	-3.1493	301	-2.9735	302
5	-3.1090	301	-2.9715	302	-2.9462	302	-2.7565	302
6	-2.9501	302	-2.8052	302	-2.7796	302	-2.5784	302
7	-2.8150	302	-2.6634	302	-2.6376	302	-2.4269	303
8	-2.6969	302	-2.5391	302	-2.5134	302	-2.2945	303
9	-2.5915	302	-2.4281	303	-2.4027	303	-2.1768	303
10	-2.4961	302	-2.3273	303	-2.3024	303	-2.0703	303
11	-2.4086	303	-2.2347	303	-2.2106	303	-1.9730	303
12	-2.3275	303	-2.1488	303	-2.1256	303	-1.8831	303
13	-2.2518	303	-2.0683	303	-2.0463	303	-1.7994	304
14	-2.1806	303	-1.9925	303	-1.9717	303	-1.7210	304
15	-2.1132	303	-1.9205	303	-1.9013	303	-1.6470	304
16	-2.0491	303	-1.8520	303	-1.8345	303	-1.5769	304
17	-1.9878	303	-1.7863	304	-1.7707	304	-1.5101	304
18	-1.9290	303	-1.7232	304	-1.7096	304	-1.4462	304
19	-1.8723	303	-1.6623	304	-1.6508	304	-1.3850	304
20	-1.8176	304	-1.6033	304	-1.5942	304	-1.3261	304
21	-1.7646	304	-1.5461	304	-1.5395	304	-1.2692	304
22	-1.7131	304	-1.4905	304	-1.4865	304	-1.2143	304
23	-1.6629	304	-1.4363	304	-1.4349	304	-1.1609	305
24	-1.6140	304	-1.3833	304	-1.3847	304	-1.1091	305
25	-1.5661	304	-1.3314	304	-1.3358	304	-1.0587	305
26	-1.5192	304	-1.2805	304	-1.2879	304	-1.0095	305
27	-1.4731	304	-1.2306	304	-1.2411	304	-0.9615	305
28	-1.4279	304	-1.1815	305	-1.1951	305	-0.9144	305
29	-1.3833	304	-1.1331	305	-1.1500	305	-0.8684	305
30	-1.3394	304	-1.0854	305	-1.1056	305	-0.8231	307
31	-1.2960	304	-1.0384	305	-1.0619	305	-0.7787	309
32	-1.2530	304	-0.9919	305	-1.0188	305	-0.7349	312
33	-1.2106	304	-0.9459	305	-0.9762	305	-0.6918	314
34	-1.1685	305	-0.9003	305	-0.9341	305	-0.6493	316
35	-1.1267	305	-0.8552	305	-0.8924	305	-0.6073	319
36	-1.0852	305	-0.8104	308	-0.8511	306	-0.5658	321
37	-1.0439	305	-0.7659	310	-0.8101	308	-0.5247	323
38	-1.0028	305	-0.7217	312	-0.7694	310	-0.4840	325
39	-0.9618	305	-0.6778	315	-0.7289	312	-0.4435	327
40	-0.9209	305	-0.6341	317	-0.6886	314	-0.4034	329
41	-0.8801	304	-0.5905	319	-0.6484	316	-0.3635	332
42	-0.8393	306	-0.5471	322	-0.6083	319	-0.3238	334
43	-0.7985	308	-0.5037	324	-0.5683	321	-0.2842	336
44	-0.7575	311	-0.4605	326	-0.5283	323	-0.2447	338
45	-0.7165	313	-0.4172	329	-0.4883	324	-0.2053	340
46	-0.6753	315	-0.3739	331	-0.4482	327	-0.1659	342
47	-0.6339	317	-0.3306	333	-0.4079	329	-0.1265	344
48	-0.5922	319	-0.2872	336	-0.3675	331	-0.0870	346

Raw Score	Reading/Writing		Reading/Writing		Reading/Writing		Reading/Writing	
	Sessions 1&2/1&2		Sessions 2&3/1&2		Sessions 1&2/2&3		Sessions 2&3/2&3	
	Theta	SS	Theta	SS	Theta	SS	Theta	SS
								(cont'd)
49	-0.5503	322	-0.2437	338	-0.3269	334	-0.0474	348
50	-0.5080	324	-0.1999	340	-0.2861	336	-0.0077	351
51	-0.4653	326	-0.1560	342	-0.2449	338	0.0323	353
52	-0.4222	328	-0.1118	345	-0.2034	340	0.0725	355
53	-0.3785	331	-0.0672	347	-0.1615	342	0.1130	357
54	-0.3343	333	-0.0223	350	-0.1191	345	0.1539	359
55	-0.2894	336	0.0231	352	-0.0762	347	0.1952	361
56	-0.2438	338	0.0690	355	-0.0328	349	0.2370	364
57	-0.1975	340	0.1155	357	0.0114	352	0.2793	366
58	-0.1502	342	0.1626	360	0.0563	354	0.3222	368
59	-0.1020	346	0.2105	362	0.1019	356	0.3658	370
60	-0.0527	348	0.2593	365	0.1485	359	0.4102	373
61	-0.0022	351	0.3090	367	0.1961	361	0.4555	375
62	0.0496	354	0.3598	370	0.2448	364	0.5018	378
63	0.1029	356	0.4119	373	0.2948	367	0.5491	380
64	0.1578	359	0.4653	376	0.3460	369	0.5977	383
65	0.2146	362	0.5203	379	0.3988	372	0.6476	385
66	0.2734	366	0.5770	382	0.4533	375	0.6990	388
67	0.3346	369	0.6358	385	0.5097	378	0.7521	391
68	0.3984	372	0.6969	388	0.5682	381	0.8072	394
69	0.4651	376	0.7607	392	0.6290	384	0.8644	397
70	0.5353	379	0.8275	395	0.6925	388	0.9240	395
71	0.6095	383	0.8978	395	0.7590	391	0.9865	395
72	0.6882	388	0.9722	395	0.8289	395	1.0522	395
73	0.7722	392	1.0516	395	0.9029	395	1.1216	395
74	0.8627	397	1.1368	395	0.9813	395	1.1953	396
75	0.9607	395	1.2290	396	1.0652	395	1.2741	396
76	1.0682	395	1.3300	396	1.1553	395	1.3589	396
77	1.1873	395	1.4418	396	1.2531	396	1.4510	396
78	1.3213	396	1.5676	396	1.3601	396	1.5519	396
79	1.4750	396	1.7120	396	1.4786	396	1.6640	396
80	1.6557	396	1.8822	397	1.6119	396	1.7904	396
81	1.8758	397	2.0902	397	1.7646	396	1.9356	397
82	2.1586	397	2.3588	397	1.9440	397	2.1070	397
83	2.5567	398	2.7397	398	2.1624	397	2.3165	397
84	3.2380	399	3.3988	399	2.4431	398	2.5873	398
85	4.0000	400	4.0000	400	2.8384	398	2.9712	398
86					3.5166	399	3.6351	399
87					4.0000	400	4.0000	400

SS = scaled score

**Table C-32. 2004-2008 MEPA: Composite Raw Score
Correspondence for Reading/Writing—Grade Span 9–12, Spring 2008**

Raw Score	Reading/Writing		Reading/Writing		Reading/Writing		Reading/Writing	
	Sessions 1&2/1&2		Sessions 2&3/1&2		Sessions 1&2/2&3		Sessions 2&3/2&3	
	Theta	SS	Theta	SS	Theta	SS	Theta	SS
0	-4.0000	300	-4.0000	300	-4.0000	300	-4.0000	300
1	-4.0000	300	-4.0000	300	-4.0000	300	-4.0000	300
2	-3.9889	300	-3.8771	300	-3.8406	300	-3.6917	300
3	-3.6272	301	-3.5038	301	-3.4614	301	-3.2913	301
4	-3.3717	301	-3.2391	301	-3.1924	301	-3.0066	302
5	-3.1730	301	-3.0329	302	-2.9827	302	-2.7851	302
6	-3.0093	302	-2.8628	302	-2.8100	302	-2.6033	302
7	-2.8695	302	-2.7174	302	-2.6625	302	-2.4488	302
8	-2.7469	302	-2.5897	302	-2.5332	302	-2.3141	303
9	-2.6372	302	-2.4755	302	-2.4179	303	-2.1944	303
10	-2.5377	302	-2.3717	303	-2.3133	303	-2.0865	303
11	-2.4462	302	-2.2763	303	-2.2175	303	-1.9880	303
12	-2.3613	303	-2.1877	303	-2.1289	303	-1.8973	303
13	-2.2819	303	-2.1049	303	-2.0463	303	-1.8130	304
14	-2.2071	303	-2.0268	303	-1.9688	303	-1.7342	304
15	-2.1363	303	-1.9528	303	-1.8956	303	-1.6599	304
16	-2.0690	303	-1.8823	303	-1.8263	304	-1.5897	304
17	-2.0046	303	-1.8149	303	-1.7602	304	-1.5229	304
18	-1.9427	303	-1.7502	304	-1.6970	304	-1.4592	304
19	-1.8832	303	-1.6879	304	-1.6363	304	-1.3982	304
20	-1.8258	303	-1.6277	304	-1.5780	304	-1.3395	304
21	-1.7701	304	-1.5693	304	-1.5216	304	-1.2830	304
22	-1.7160	304	-1.5127	304	-1.4671	304	-1.2283	304
23	-1.6634	304	-1.4575	304	-1.4142	304	-1.1754	305
24	-1.6121	304	-1.4037	304	-1.3627	304	-1.1239	305
25	-1.5619	304	-1.3511	304	-1.3126	304	-1.0738	305
26	-1.5128	304	-1.2996	304	-1.2637	304	-1.0249	305
27	-1.4647	304	-1.2491	304	-1.2158	304	-0.9771	305
28	-1.4174	304	-1.1995	304	-1.1689	305	-0.9304	305
29	-1.3709	304	-1.1507	305	-1.1228	305	-0.8845	305
30	-1.3250	304	-1.1027	305	-1.0776	305	-0.8394	306
31	-1.2798	304	-1.0554	305	-1.0330	305	-0.7951	309
32	-1.2351	304	-1.0086	305	-0.9891	305	-0.7514	311
33	-1.1909	305	-0.9624	305	-0.9458	305	-0.7083	313
34	-1.1471	305	-0.9167	305	-0.9029	305	-0.6657	315
35	-1.1037	305	-0.8714	305	-0.8605	305	-0.6235	318
36	-1.0606	305	-0.8264	307	-0.8185	307	-0.5818	320
37	-1.0178	305	-0.7818	309	-0.7768	310	-0.5403	322
38	-0.9752	305	-0.7375	312	-0.7354	312	-0.4992	324
39	-0.9328	305	-0.6934	314	-0.6943	314	-0.4583	327
40	-0.8905	305	-0.6494	316	-0.6533	316	-0.4176	329
41	-0.8483	306	-0.6057	319	-0.6124	318	-0.3770	331
42	-0.8062	308	-0.5619	321	-0.5716	320	-0.3365	333
43	-0.7640	310	-0.5183	323	-0.5309	323	-0.2960	335
44	-0.7218	312	-0.4746	326	-0.4902	324	-0.2555	337
45	-0.6795	315	-0.4309	328	-0.4494	327	-0.2150	339
46	-0.6371	317	-0.3871	330	-0.4085	329	-0.1744	342
47	-0.5945	319	-0.3432	333	-0.3675	331	-0.1337	344
48	-0.5516	322	-0.2990	335	-0.3262	334	-0.0927	346

Raw Score	Reading/Writing		Reading/Writing		Reading/Writing		Reading/Writing	
	Sessions 1&2/1&2		Sessions 2&3/1&2		Sessions 1&2/2&3		Sessions 2&3/2&3	
	Theta	SS	Theta	SS	Theta	SS	Theta	SS
								(cont'd)
49	-0.5085	324	-0.2547	337	-0.2848	336	-0.0515	348
50	-0.4651	326	-0.2100	340	-0.2430	338	-0.0101	350
51	-0.4212	329	-0.1650	342	-0.2010	340	0.0317	353
52	-0.3770	331	-0.1196	345	-0.1585	342	0.0739	355
53	-0.3322	333	-0.0737	347	-0.1155	345	0.1165	357
54	-0.2868	336	-0.0272	350	-0.0721	347	0.1597	359
55	-0.2408	338	0.0198	352	-0.0280	349	0.2034	362
56	-0.1941	341	0.0676	355	0.0166	352	0.2477	364
57	-0.1466	343	0.1161	357	0.0620	354	0.2927	367
58	-0.0982	346	0.1654	360	0.1083	357	0.3385	369
59	-0.0489	348	0.2157	362	0.1554	359	0.3852	371
60	0.0016	351	0.2671	365	0.2034	362	0.4328	374
61	0.0534	354	0.3197	368	0.2526	364	0.4814	377
62	0.1064	357	0.3736	371	0.3030	367	0.5312	379
63	0.1610	360	0.4290	374	0.3547	370	0.5823	382
64	0.2173	363	0.4860	377	0.4078	373	0.6348	385
65	0.2755	366	0.5449	380	0.4626	376	0.6888	388
66	0.3359	369	0.6058	383	0.5192	379	0.7445	391
67	0.3986	372	0.6691	387	0.5778	382	0.8021	394
68	0.4641	376	0.7350	390	0.6386	385	0.8619	395
69	0.5327	379	0.8039	394	0.7020	388	0.9240	395
70	0.6048	383	0.8762	395	0.7681	392	0.9888	395
71	0.6810	387	0.9524	395	0.8374	395	1.0566	395
72	0.7620	392	1.0332	395	0.9104	395	1.1279	395
73	0.8486	395	1.1193	395	0.9874	395	1.2031	396
74	0.9418	395	1.2116	396	1.0693	395	1.2828	396
75	1.0430	395	1.3115	396	1.1567	396	1.3678	396
76	1.1539	395	1.4205	396	1.2507	396	1.4591	396
77	1.2768	396	1.5410	396	1.3525	396	1.5579	396
78	1.4152	396	1.6760	396	1.4638	396	1.6659	396
79	1.5739	396	1.8302	397	1.5870	396	1.7853	396
80	1.7605	396	2.0109	397	1.7252	396	1.9192	397
81	1.9875	397	2.2302	397	1.8833	397	2.0724	397
82	2.2786	397	2.5111	398	2.0686	397	2.2521	397
83	2.6868	398	2.9057	398	2.2935	397	2.4706	398
84	3.3810	399	3.5812	399	2.5816	398	2.7509	398
85	4.0000	400	4.0000	400	2.9854	398	3.1456	399
86					3.6739	399	3.8223	400
87					4.0000	400	4.0000	400

SS = scaled score