

Appendix L—RAW TO SCALED SCORE CORRESPONDENCE

**Table L-1. 2010 MEPA: Composite Raw Score to
Scaled Score Correspondence—Grade Span K–2, Level A**

<i>Raw Score</i>	<i>Theta</i>	<i>SS</i>	<i>Performance Level</i>	<i>SEM</i>	<i>Raw Score</i>	<i>Theta</i>	<i>SS</i>	<i>Performance Level</i>	<i>SEM</i>
0	-4.0000	400	1	5.0	32	-0.5779	468	3	4.0
1	-3.7819	404	1	7.0	33	-0.5144	469	3	4.0
2	-3.3182	414	1	9.0	34	-0.4501	471	3	4.0
3	-3.0300	419	1	8.0	35	-0.3849	472	3	4.0
4	-2.8165	424	1	7.0	36	-0.3185	473	3	4.0
5	-2.6452	427	1	6.0	37	-0.2506	475	3	4.0
6	-2.5010	430	1	6.0	38	-0.1808	476	3	4.0
7	-2.3755	432	1	5.0	39	-0.1089	478	3	4.0
8	-2.2636	435	1	5.0	40	-0.0342	479	3	4.0
9	-2.1620	437	1	5.0	41	0.0438	481	3	4.0
10	-2.0682	439	1	5.0	42	0.1257	482	3	4.0
11	-1.9806	440	1	4.0	43	0.2125	484	3	5.0
12	-1.8979	442	1	4.0	44	0.3052	486	4	5.0
13	-1.8191	443	1	4.0	45	0.4051	488	4	5.0
14	-1.7436	445	1	4.0	46	0.5140	490	4	5.0
15	-1.6706	446	1	4.0	47	0.6339	492	4	5.0
16	-1.5998	448	1	4.0	48	0.7682	495	4	5.0
17	-1.5307	449	1	4.0	49	0.9212	498	4	3.5
18	-1.4632	451	1	4.0	50	1.1006	499	4	3.5
19	-1.3968	452	1	4.0	51	1.3200	499	4	4.0
20	-1.3315	452	1	4.0	52	1.6103	499	4	4.5
21	-1.2670	454	2	4.0	53	2.0710	499	4	5.0
22	-1.2031	456	2	4.0	54	4.0000	499	4	5.0
23	-1.1398	457	2	4.0					
24	-1.0770	458	2	4.0					
25	-1.0145	460	2	4.0					
26	-0.9522	461	2	4.0					
27	-0.8900	462	2	4.0					
28	-0.8279	463	2	4.0					
29	-0.7658	464	2	4.0					
30	-0.7035	465	2	4.0					
31	-0.6409	467	3	4.0					

SS = scaled score; SEM = standard error of measurement (rounded to the nearest 0.5)

Table L-2. 2010 MEPA: Composite Raw Score to Scaled Score Correspondence—Grade Span K–2, Level B

<i>Raw Score</i>	<i>Theta</i>	<i>SS</i>	<i>Performance Level</i>	<i>SEM</i>	<i>Raw Score</i>	<i>Theta</i>	<i>SS</i>	<i>Performance Level</i>	<i>SEM</i>
0	-4.0000	400	1	5.0	32	-0.3440	473	3	4.0
1	-3.3399	413	1	10.0	33	-0.2903	474	3	4.0
2	-2.9107	422	1	9.0	34	-0.2363	475	3	4.0
3	-2.6497	427	1	7.0	35	-0.1820	476	3	4.0
4	-2.4569	431	1	6.0	36	-0.1273	477	3	4.0
5	-2.3008	434	1	6.0	37	-0.0719	478	3	4.0
6	-2.1676	437	1	5.0	38	-0.0158	479	3	4.0
7	-2.0498	439	1	5.0	39	0.0413	481	3	4.0
8	-1.9432	441	1	5.0	40	0.0994	482	3	4.0
9	-1.8448	443	1	5.0	41	0.1588	483	3	4.0
10	-1.7528	445	1	5.0	42	0.2197	484	3	4.0
11	-1.6660	447	1	4.0	43	0.2823	484	3	4.0
12	-1.5834	448	1	4.0	44	0.3469	487	4	4.0
13	-1.5045	450	1	4.0	45	0.4137	488	4	4.0
14	-1.4285	451	1	4.0	46	0.4831	489	4	4.0
15	-1.3554	452	1	4.0	47	0.5555	491	4	4.0
16	-1.2846	454	2	4.0	48	0.6314	492	4	4.0
17	-1.2160	455	2	4.0	49	0.7113	494	4	4.0
18	-1.1494	457	2	4.0	50	0.7960	496	4	4.0
19	-1.0847	458	2	4.0	51	0.8863	497	4	5.0
20	-1.0216	459	2	4.0	52	0.9835	499	4	5.0
21	-0.9600	461	2	4.0	53	1.0890	501	5	5.0
22	-0.8997	462	2	4.0	54	1.2052	504	5	5.0
23	-0.8408	463	2	4.0	55	1.3350	506	5	6.0
24	-0.7829	464	2	4.0	56	1.4833	509	5	6.0
25	-0.7260	465	2	4.0	57	1.6578	513	5	7.0
26	-0.6699	466	3	4.0	58	1.8728	517	5	8.0
27	-0.6146	467	3	4.0	59	2.1601	523	5	9.0
28	-0.5598	469	3	4.0	60	2.6197	532	5	10.0
29	-0.5055	470	3	4.0	61	4.0000	550	5	5.0
30	-0.4515	471	3	4.0					
31	-0.3977	472	3	4.0					

SS = scaled score; SEM = standard error of measurement (rounded to the nearest 0.5)

Table L-3. 2010 MEPA: Composite Raw Score to Scaled Score Correspondence—Grade Span 3–4, Reading Sessions 1 & 2/Writing Sessions 2 & 3

<i>Raw Score</i>	<i>Theta</i>	<i>SS</i>	<i>Performance Level</i>	<i>SEM</i>	<i>Raw Score</i>	<i>Theta</i>	<i>SS</i>	<i>Performance Level</i>	<i>SEM</i>
0	-4.7347	400	1	5.0	41	-1.2488	455	3	5.0
1	-4.6238	400	1	4.5	42	-1.1816	457	3	5.0
2	-4.5129	400	1	4.5	43	-1.1137	458	3	5.0
3	-4.4020	400	1	4.0	44	-1.0449	459	3	5.0
4	-4.2911	400	1	4.0	45	-0.9751	461	3	5.0
5	-4.1802	400	1	4.0	46	-0.9043	462	3	5.0
6	-4.0693	400	1	3.5	47	-0.8324	464	3	5.0
7	-3.9439	401	1	4.0	48	-0.7592	465	3	5.0
8	-3.8041	404	1	5.5	49	-0.6847	467	3	5.0
9	-3.6758	407	1	7.0	50	-0.6087	468	3	5.0
10	-3.5568	409	1	6.0	51	-0.5311	470	3	5.0
11	-3.4455	411	1	6.0	52	-0.4518	471	3	5.0
12	-3.3405	413	1	6.0	53	-0.3705	473	3	5.0
13	-3.2411	415	1	6.0	54	-0.2872	474	4	5.0
14	-3.1465	417	1	6.0	55	-0.2015	476	4	6.0
15	-3.0560	419	1	6.0	56	-0.1134	478	4	6.0
16	-2.9692	421	1	6.0	57	-0.0226	480	4	6.0
17	-2.8855	422	1	5.0	58	0.0711	482	4	6.0
18	-2.8047	424	1	5.0	59	0.1679	484	4	6.0
19	-2.7264	426	1	5.0	60	0.2681	486	4	6.0
20	-2.6502	427	1	5.0	61	0.3717	488	4	6.0
21	-2.5759	429	1	5.0	62	0.4789	490	4	6.0
22	-2.5034	430	1	5.0	63	0.5898	492	4	6.0
23	-2.4323	431	1	5.0	64	0.7047	494	4	5.5
24	-2.3625	433	2	5.0	65	0.8237	497	4	4.0
25	-2.2939	434	2	5.0	66	0.9470	499	4	3.0
26	-2.2262	436	2	5.0	67	1.0752	499	4	3.5
27	-2.1594	437	2	5.0	68	1.2091	499	4	3.5
28	-2.0933	438	2	5.0	69	1.3498	499	4	3.5
29	-2.0278	440	2	5.0	70	1.4991	499	4	3.5
30	-1.9627	441	2	5.0	71	1.6594	499	4	3.5
31	-1.8980	442	2	5.0	72	1.8343	499	4	4.0
32	-1.8336	443	2	5.0	73	2.0289	499	4	4.0
33	-1.7693	445	2	5.0	74	2.2503	499	4	4.5
34	-1.7050	446	2	5.0	75	2.5092	499	4	5.0
35	-1.6408	447	2	5.0	76	2.8224	499	4	5.0
36	-1.5763	449	2	5.0	77	3.2240	499	4	5.0
37	-1.5117	450	2	5.0	78	3.8248	499	4	5.0
38	-1.4467	451	2	5.0	79	4.0000	499	4	5.0
39	-1.3813	453	3	5.0					
40	-1.3153	454	3	5.0					

SS = scaled score; SEM = standard error of measurement (rounded to the nearest 0.5)

Table L-4. 2010 MEPA: Composite Raw Score to Scaled Score Correspondence—Grade Span 3–4, Reading Sessions 1 & 2/Writing Sessions 1 & 2

<i>Raw Score</i>	<i>Theta</i>	<i>SS</i>	<i>Performance Level</i>	<i>SEM</i>	<i>Raw Score</i>	<i>Theta</i>	<i>SS</i>	<i>Performance Level</i>	<i>SEM</i>
0	-4.7208	400	1	4.5	41	-1.3817	453	3	5.0
1	-4.6160	400	1	4.5	42	-1.3174	454	3	5.0
2	-4.5112	400	1	4.5	43	-1.2525	455	3	5.0
3	-4.4064	400	1	4.0	44	-1.1867	456	3	5.0
4	-4.3016	400	1	4.0	45	-1.1200	458	3	5.0
5	-4.1968	400	1	3.5	46	-1.0523	459	3	5.0
6	-4.0920	400	1	3.5	47	-0.9835	461	3	5.0
7	-3.9824	400	1	3.5	48	-0.9134	462	3	5.0
8	-3.8454	403	1	5.0	49	-0.8420	463	3	5.0
9	-3.7201	406	1	6.0	50	-0.7692	465	3	5.0
10	-3.6041	408	1	6.0	51	-0.6948	466	3	5.0
11	-3.4957	410	1	6.0	52	-0.6187	468	3	5.0
12	-3.3938	412	1	6.0	53	-0.5407	469	3	5.0
13	-3.2974	414	1	6.0	54	-0.4606	471	3	5.0
14	-3.2058	416	1	6.0	55	-0.3783	473	3	5.0
15	-3.1183	418	1	5.0	56	-0.2935	474	4	5.0
16	-3.0344	419	1	5.0	57	-0.2060	476	4	5.0
17	-2.9536	421	1	5.0	58	-0.1155	478	4	6.0
18	-2.8756	423	1	5.0	59	-0.0217	480	4	6.0
19	-2.8000	424	1	5.0	60	0.0757	482	4	6.0
20	-2.7266	426	1	5.0	61	0.1771	484	4	6.0
21	-2.6551	427	1	5.0	62	0.2829	486	4	6.0
22	-2.5852	428	1	5.0	63	0.3933	488	4	6.0
23	-2.5168	430	1	5.0	64	0.5090	490	4	6.0
24	-2.4496	431	1	5.0	65	0.6302	493	4	6.0
25	-2.3836	432	2	5.0	66	0.7577	495	4	5.0
26	-2.3186	434	2	5.0	67	0.8921	498	4	4.0
27	-2.2543	435	2	5.0	68	1.0346	499	4	3.5
28	-2.1908	436	2	5.0	69	1.1868	499	4	3.5
29	-2.1278	438	2	5.0	70	1.3514	499	4	3.5
30	-2.0654	439	2	5.0	71	1.5328	499	4	4.0
31	-2.0033	440	2	5.0	72	1.7381	499	4	4.0
32	-1.9414	441	2	5.0	73	1.9802	499	4	4.5
33	-1.8798	443	2	5.0	74	2.2840	499	4	5.0
34	-1.8182	444	2	5.0	75	2.7035	499	4	5.0
35	-1.7566	445	2	5.0	76	3.3762	499	4	5.0
36	-1.6949	446	2	5.0	77	4.0000	499	4	5.0
37	-1.6330	447	2	5.0					
38	-1.5708	449	2	5.0					
39	-1.5083	450	2	5.0					
40	-1.4452	451	2	5.0					

SS = scaled score; SEM = standard error of measurement (rounded to the nearest 0.5)

Table L-5. 2010 MEPA: Composite Raw Score to Scaled Score Correspondence—Grade Span 3–4, Reading Sessions 2 & 3/Writing Sessions 2 & 3

<i>Raw Score</i>	<i>Theta</i>	<i>SS</i>	<i>Performance Level</i>	<i>SEM</i>	<i>Raw Score</i>	<i>Theta</i>	<i>SS</i>	<i>Performance Level</i>	<i>SEM</i>
0	-4.7071	400	1	5.0	41	-0.7482	465	3	5.0
1	-4.5612	400	1	5.0	42	-0.6778	467	3	5.0
2	-4.4153	400	1	4.5	43	-0.6067	468	3	5.0
3	-4.2693	400	1	4.5	44	-0.5349	470	3	5.0
4	-4.1234	400	1	4.5	45	-0.4624	471	3	5.0
5	-3.9692	401	1	4.5	46	-0.3890	472	3	5.0
6	-3.7838	404	1	6.0	47	-0.3146	474	4	5.0
7	-3.6179	408	1	7.0	48	-0.2391	475	4	5.0
8	-3.4670	411	1	7.0	49	-0.1624	477	4	5.0
9	-3.3282	413	1	7.0	50	-0.0844	479	4	5.0
10	-3.1996	416	1	7.0	51	-0.0049	480	4	5.0
11	-3.0795	418	1	6.0	52	0.0762	482	4	5.0
12	-2.9667	421	1	6.0	53	0.1590	483	4	5.0
13	-2.8603	423	1	6.0	54	0.2436	485	4	5.0
14	-2.7593	425	1	6.0	55	0.3301	487	4	6.0
15	-2.6630	427	1	6.0	56	0.4186	489	4	6.0
16	-2.5708	429	1	6.0	57	0.5091	490	4	6.0
17	-2.4821	430	1	6.0	58	0.6018	492	4	6.0
18	-2.3966	432	2	5.0	59	0.6967	494	4	6.0
19	-2.3137	434	2	5.0	60	0.7938	496	4	6.0
20	-2.2332	435	2	5.0	61	0.8933	498	4	6.0
21	-2.1548	437	2	5.0	62	0.9954	500	5	6.0
22	-2.0782	439	2	5.0	63	1.1004	502	5	6.0
23	-2.0031	440	2	5.0	64	1.2085	504	5	6.0
24	-1.9293	442	2	5.0	65	1.3203	507	5	6.0
25	-1.8568	443	2	5.0	66	1.4366	509	5	6.0
26	-1.7852	444	2	5.0	67	1.5580	511	5	6.0
27	-1.7144	446	2	5.0	68	1.6860	514	5	7.0
28	-1.6443	447	2	5.0	69	1.8219	517	5	7.0
29	-1.5747	449	2	5.0	70	1.9677	520	5	7.0
30	-1.5056	450	2	5.0	71	2.1260	523	5	7.0
31	-1.4368	451	2	5.0	72	2.2998	526	5	8.0
32	-1.3682	453	3	5.0	73	2.4933	530	5	8.0
33	-1.2998	454	3	5.0	74	2.7123	535	5	9.0
34	-1.2314	456	3	5.0	75	2.9654	540	5	10.0
35	-1.1630	457	3	5.0	76	3.2683	546	5	7.0
36	-1.0945	458	3	5.0	77	3.6573	550	5	5.0
37	-1.0258	460	3	5.0	78	4.0000	550	5	5.0
38	-0.9570	461	3	5.0	79	4.0000	550	5	5.0
39	-0.8878	462	3	5.0					
40	-0.8182	464	3	5.0					

SS = scaled score; SEM = standard error of measurement (rounded to the nearest 0.5)

Table L-6. 2010 MEPA: Composite Raw Score to Scaled Score Correspondence—Grade Span 3–4, Reading Sessions 2 & 3/Writing Sessions 1 & 2

<i>Raw Score</i>	<i>Theta</i>	<i>SS</i>	<i>Performance Level</i>	<i>SEM</i>	<i>Raw Score</i>	<i>Theta</i>	<i>SS</i>	<i>Performance Level</i>	<i>SEM</i>
0	-4.6910	400	1	5.0	41	-0.8967	462	3	5.0
1	-4.5555	400	1	5.0	42	-0.8276	464	3	5.0
2	-4.4200	400	1	4.5	43	-0.7578	465	3	5.0
3	-4.2845	400	1	4.5	44	-0.6872	466	3	5.0
4	-4.1490	400	1	4.0	45	-0.6159	468	3	5.0
5	-4.0135	400	1	4.0	46	-0.5437	469	3	5.0
6	-3.8384	403	1	5.5	47	-0.4705	471	3	5.0
7	-3.6776	406	1	6.5	48	-0.3962	472	3	5.0
8	-3.5318	409	1	7.0	49	-0.3207	473	3	5.0
9	-3.3980	412	1	7.0	50	-0.2439	475	4	5.0
10	-3.2740	415	1	6.0	51	-0.1655	477	4	5.0
11	-3.1584	417	1	6.0	52	-0.0854	479	4	5.0
12	-3.0498	419	1	6.0	53	-0.0036	480	4	5.0
13	-2.9473	421	1	6.0	54	0.0803	482	4	5.0
14	-2.8499	423	1	6.0	55	0.1664	484	4	5.0
15	-2.7570	425	1	6.0	56	0.2548	485	4	5.0
16	-2.6680	427	1	5.0	57	0.3457	487	4	6.0
17	-2.5824	428	1	5.0	58	0.4394	489	4	6.0
18	-2.4997	430	1	5.0	59	0.5360	491	4	6.0
19	-2.4196	431	1	5.0	60	0.6356	493	4	6.0
20	-2.3417	433	2	5.0	61	0.7386	495	4	5.0
21	-2.2657	435	2	5.0	62	0.8453	497	4	4.0
22	-2.1915	436	2	5.0	63	0.9558	499	4	3.0
23	-2.1187	438	2	5.0	64	1.0709	499	4	3.0
24	-2.0472	439	2	5.0	65	1.1911	499	4	3.0
25	-1.9767	441	2	5.0	66	1.3174	499	4	3.0
26	-1.9072	442	2	5.0	67	1.4512	499	4	3.5
27	-1.8385	443	2	5.0	68	1.5943	499	4	3.5
28	-1.7704	445	2	5.0	69	1.7496	499	4	3.5
29	-1.7029	446	2	5.0	70	1.9209	499	4	4.0
30	-1.6357	447	2	5.0	71	2.1141	499	4	4.0
31	-1.5689	449	2	5.0	72	2.3381	499	4	4.5
32	-1.5022	450	2	5.0	73	2.6061	499	4	5.0
33	-1.4356	451	2	5.0	74	2.9393	499	4	5.0
34	-1.3690	453	3	5.0	75	3.3750	499	4	5.0
35	-1.3024	454	3	5.0	76	4.0000	499	4	5.0
36	-1.2355	455	3	5.0	77	4.0000	499	4	5.0
37	-1.1685	457	3	5.0					
38	-1.1012	458	3	5.0					
39	-1.0335	460	3	5.0					
40	-0.9654	461	3	5.0					

SS = scaled score; SEM = standard error of measurement (rounded to the nearest 0.5)

Table L-7. 2010 MEPA: Composite Raw Score to Scaled Score Correspondence—Grade Span 5–6, Reading Sessions 1 & 2/Writing Sessions 2 & 3

<i>Raw Score</i>	<i>Theta</i>	<i>SS</i>	<i>Performance Level</i>	<i>SEM</i>	<i>Raw Score</i>	<i>Theta</i>	<i>SS</i>	<i>Performance Level</i>	<i>SEM</i>
0	-4.6533	400	1	5.0	41	-0.9323	462	3	5.0
1	-4.5294	400	1	5.0	42	-0.8613	463	3	5.0
2	-4.4055	400	1	4.5	43	-0.7897	465	3	5.0
3	-4.2815	400	1	4.5	44	-0.7176	466	3	5.0
4	-4.1576	400	1	4.0	45	-0.6448	468	3	5.0
5	-4.0337	400	1	4.0	46	-0.5714	469	3	5.0
6	-3.8778	402	1	4.5	47	-0.4971	471	3	5.0
7	-3.7267	406	1	6.5	48	-0.4220	472	3	5.0
8	-3.5899	408	1	7.0	49	-0.3459	474	3	5.0
9	-3.4640	411	1	6.0	50	-0.2687	475	3	5.0
10	-3.3468	413	1	6.0	51	-0.1902	477	3	5.0
11	-3.2366	415	1	6.0	52	-0.1103	478	3	5.0
12	-3.1323	417	1	6.0	53	-0.0288	480	4	5.0
13	-3.0329	419	1	6.0	54	0.0544	482	4	6.0
14	-2.9377	421	1	6.0	55	0.1396	483	4	6.0
15	-2.8462	423	1	6.0	56	0.2271	485	4	6.0
16	-2.7579	425	1	6.0	57	0.3169	487	4	6.0
17	-2.6723	427	1	6.0	58	0.4095	489	4	6.0
18	-2.5892	428	1	5.0	59	0.5050	491	4	6.0
19	-2.5082	430	1	5.0	60	0.6037	493	4	6.0
20	-2.4291	432	1	5.0	61	0.7059	495	4	5.0
21	-2.3516	433	1	5.0	62	0.8119	497	4	4.0
22	-2.2755	435	1	5.0	63	0.9220	499	4	3.0
23	-2.2006	436	2	5.0	64	1.0366	499	4	3.0
24	-2.1268	438	2	5.0	65	1.1563	499	4	3.0
25	-2.0539	439	2	5.0	66	1.2817	499	4	3.5
26	-1.9818	441	2	5.0	67	1.4137	499	4	3.5
27	-1.9104	442	2	5.0	68	1.5534	499	4	3.5
28	-1.8395	444	2	5.0	69	1.7025	499	4	3.5
29	-1.7691	445	2	5.0	70	1.8631	499	4	3.5
30	-1.6991	446	2	5.0	71	2.0377	499	4	4.0
31	-1.6294	448	2	5.0	72	2.2297	499	4	4.0
32	-1.5599	449	2	5.0	73	2.4428	499	4	4.5
33	-1.4905	451	2	5.0	74	2.6818	499	4	4.5
34	-1.4212	452	2	5.0	75	2.9543	499	4	5.0
35	-1.3519	453	2	5.0	76	3.2774	499	4	5.0
36	-1.2825	455	2	5.0	77	3.6963	499	4	5.0
37	-1.2130	456	3	5.0	78	4.0000	499	4	5.0
38	-1.1432	458	3	5.0	79	4.0000	499	4	5.0
39	-1.0733	459	3	5.0					
40	-1.0030	460	3	5.0					

SS = scaled score; SEM = standard error of measurement (rounded to the nearest 0.5)

Table L-8. 2010 MEPA: Composite Raw Score to Scaled Score Correspondence—Grade Span 5–6, Reading Sessions 1 & 2/Writing Sessions 1 & 2

<i>Raw Score</i>	<i>Theta</i>	<i>SS</i>	<i>Performance Level</i>	<i>SEM</i>	<i>Raw Score</i>	<i>Theta</i>	<i>SS</i>	<i>Performance Level</i>	<i>SEM</i>
0	-4.6229	400	1	4.5	41	-1.2727	455	2	5.0
1	-4.5171	400	1	4.5	42	-1.2060	456	3	5.0
2	-4.4113	400	1	4.0	43	-1.1387	458	3	5.0
3	-4.3055	400	1	4.0	44	-1.0707	459	3	5.0
4	-4.1998	400	1	4.0	45	-1.0018	460	3	5.0
5	-4.0940	400	1	3.5	46	-0.9320	462	3	5.0
6	-3.9830	400	1	3.5	47	-0.8612	463	3	5.0
7	-3.8407	403	1	5.0	48	-0.7894	465	3	5.0
8	-3.7127	406	1	6.0	49	-0.7162	466	3	5.0
9	-3.5957	408	1	6.0	50	-0.6417	468	3	5.0
10	-3.4872	410	1	6.0	51	-0.5657	469	3	5.0
11	-3.3856	412	1	6.0	52	-0.4879	471	3	5.0
12	-3.2897	414	1	6.0	53	-0.4083	472	3	5.0
13	-3.1986	416	1	5.0	54	-0.3265	474	3	5.0
14	-3.1115	418	1	5.0	55	-0.2424	476	3	5.0
15	-3.0279	420	1	5.0	56	-0.1556	478	3	6.0
16	-2.9473	421	1	5.0	57	-0.0659	479	4	6.0
17	-2.8692	423	1	5.0	58	0.0271	481	4	6.0
18	-2.7935	424	1	5.0	59	0.1237	483	4	6.0
19	-2.7197	426	1	5.0	60	0.2245	485	4	6.0
20	-2.6477	427	1	5.0	61	0.3296	487	4	6.0
21	-2.5771	429	1	5.0	62	0.4397	490	4	6.0
22	-2.5078	430	1	5.0	63	0.5551	492	4	6.0
23	-2.4397	431	1	5.0	64	0.6763	494	4	6.0
24	-2.3725	433	1	5.0	65	0.8039	497	4	4.5
25	-2.3061	434	1	5.0	66	0.9386	499	4	3.5
26	-2.2404	435	1	5.0	67	1.0814	499	4	3.5
27	-2.1753	437	2	5.0	68	1.2337	499	4	3.5
28	-2.1106	438	2	5.0	69	1.3979	499	4	3.5
29	-2.0463	439	2	5.0	70	1.5777	499	4	4.0
30	-1.9822	441	2	5.0	71	1.7787	499	4	4.0
31	-1.9183	442	2	5.0	72	2.0097	499	4	4.5
32	-1.8545	443	2	5.0	73	2.2845	499	4	5.0
33	-1.7907	445	2	5.0	74	2.6236	499	4	5.0
34	-1.7268	446	2	5.0	75	3.0636	499	4	5.0
35	-1.6629	447	2	5.0	76	3.7320	499	4	5.0
36	-1.5987	448	2	5.0	77	4.0000	499	4	5.0
37	-1.5343	450	2	5.0					
38	-1.4695	451	2	5.0					
39	-1.4044	452	2	5.0					
40	-1.3388	454	2	5.0					

SS = scaled score; SEM = standard error of measurement (rounded to the nearest 0.5)

Table L-9. 2010 MEPA: Composite Raw Score to Scaled Score Correspondence—Grade Span 5–6, Reading Sessions 2 & 3/Writing Sessions 2 & 3

<i>Raw Score</i>	<i>Theta</i>	<i>SS</i>	<i>Performance Level</i>	<i>SEM</i>	<i>Raw Score</i>	<i>Theta</i>	<i>SS</i>	<i>Performance Level</i>	<i>SEM</i>
0	-4.6638	400	1	5.0	41	-0.5083	470	3	5.0
1	-4.4956	400	1	5.0	42	-0.4405	472	3	5.0
2	-4.3274	400	1	5.0	43	-0.3722	473	3	5.0
3	-4.1593	400	1	4.5	44	-0.3034	475	3	5.0
4	-3.9875	400	1	4.5	45	-0.2339	476	3	5.0
5	-3.7712	405	1	6.5	46	-0.1637	477	3	5.0
6	-3.5829	408	1	8.0	47	-0.0926	479	4	5.0
7	-3.4142	412	1	8.0	48	-0.0205	480	4	5.0
8	-3.2603	415	1	7.0	49	0.0528	482	4	5.0
9	-3.1184	418	1	7.0	50	0.1273	483	4	5.0
10	-2.9864	420	1	7.0	51	0.2031	485	4	5.0
11	-2.8628	423	1	7.0	52	0.2805	486	4	5.0
12	-2.7466	425	1	6.0	53	0.3596	488	4	5.0
13	-2.6367	427	1	6.0	54	0.4404	490	4	5.0
14	-2.5324	430	1	6.0	55	0.5232	491	4	5.0
15	-2.4328	432	1	6.0	56	0.6081	493	4	5.0
16	-2.3375	434	1	6.0	57	0.6952	495	4	6.0
17	-2.2459	435	1	6.0	58	0.7847	496	4	6.0
18	-2.1575	437	2	6.0	59	0.8769	498	4	6.0
19	-2.0719	439	2	6.0	60	0.9718	500	5	6.0
20	-1.9889	441	2	5.0	61	1.0699	502	5	6.0
21	-1.9082	442	2	5.0	62	1.1715	504	5	6.0
22	-1.8294	444	2	5.0	63	1.2768	506	5	6.0
23	-1.7525	445	2	5.0	64	1.3866	509	5	6.0
24	-1.6771	447	2	5.0	65	1.5014	511	5	6.0
25	-1.6031	448	2	5.0	66	1.6219	513	5	6.0
26	-1.5304	450	2	5.0	67	1.7493	516	5	7.0
27	-1.4588	451	2	5.0	68	1.8847	519	5	7.0
28	-1.3881	453	2	5.0	69	2.0295	522	5	7.0
29	-1.3182	454	2	5.0	70	2.1853	525	5	7.0
30	-1.2491	455	2	5.0	71	2.3538	528	5	8.0
31	-1.1806	457	3	5.0	72	2.5372	532	5	8.0
32	-1.1125	458	3	5.0	73	2.7381	536	5	9.0
33	-1.0449	460	3	5.0	74	2.9612	540	5	9.0
34	-0.9776	461	3	5.0	75	3.2152	545	5	7.5
35	-0.9106	462	3	5.0	76	3.5191	550	5	5.0
36	-0.8436	464	3	5.0	77	3.9183	550	5	5.0
37	-0.7768	465	3	5.0	78	4.0000	550	5	5.0
38	-0.7099	466	3	5.0	79	4.0000	550	5	5.0
39	-0.6429	468	3	5.0					
40	-0.5757	469	3	5.0					

SS = scaled score; SEM = standard error of measurement (rounded to the nearest 0.5)

Table L-10. 2010 MEPA: Composite Raw Score to Scaled Score Correspondence—Grade Span 5–6, Reading Sessions 2 & 3/Writing Sessions 1 & 2

<i>Raw Score</i>	<i>Theta</i>	<i>SS</i>	<i>Performance Level</i>	<i>SEM</i>	<i>Raw Score</i>	<i>Theta</i>	<i>SS</i>	<i>Performance Level</i>	<i>SEM</i>
0	-4.6226	400	1	5.0	41	-0.8436	464	3	5.0
1	-4.4861	400	1	5.0	42	-0.7764	465	3	5.0
2	-4.3497	400	1	4.5	43	-0.7085	466	3	5.0
3	-4.2133	400	1	4.5	44	-0.6400	468	3	5.0
4	-4.0769	400	1	4.0	45	-0.5707	469	3	5.0
5	-3.9168	402	1	5.0	46	-0.5005	471	3	5.0
6	-3.7446	405	1	6.0	47	-0.4293	472	3	5.0
7	-3.5917	408	1	7.0	48	-0.3568	473	3	5.0
8	-3.4529	411	1	7.0	49	-0.2830	475	3	5.0
9	-3.3252	414	1	6.0	50	-0.2077	476	3	5.0
10	-3.2063	416	1	6.0	51	-0.1307	478	3	5.0
11	-3.0946	418	1	6.0	52	-0.0519	480	4	5.0
12	-2.9892	420	1	6.0	53	0.0290	481	4	5.0
13	-2.8889	422	1	6.0	54	0.1121	483	4	5.0
14	-2.7932	424	1	6.0	55	0.1977	485	4	6.0
15	-2.7014	426	1	6.0	56	0.2859	486	4	6.0
16	-2.6131	428	1	5.0	57	0.3769	488	4	6.0
17	-2.5277	430	1	5.0	58	0.4710	490	4	6.0
18	-2.4450	431	1	5.0	59	0.5683	492	4	6.0
19	-2.3645	433	1	5.0	60	0.6690	494	4	5.5
20	-2.2861	435	1	5.0	61	0.7735	496	4	4.5
21	-2.2095	436	2	5.0	62	0.8820	498	4	3.5
22	-2.1345	438	2	5.0	63	0.9950	499	4	3.0
23	-2.0609	439	2	5.0	64	1.1132	499	4	3.0
24	-1.9885	441	2	5.0	65	1.2372	499	4	3.5
25	-1.9172	442	2	5.0	66	1.3683	499	4	3.5
26	-1.8469	443	2	5.0	67	1.5082	499	4	3.5
27	-1.7774	445	2	5.0	68	1.6588	499	4	3.5
28	-1.7087	446	2	5.0	69	1.8233	499	4	4.0
29	-1.6406	448	2	5.0	70	2.0055	499	4	4.0
30	-1.5730	449	2	5.0	71	2.2106	499	4	4.5
31	-1.5060	450	2	5.0	72	2.4449	499	4	4.5
32	-1.4393	452	2	5.0	73	2.7170	499	4	5.0
33	-1.3729	453	2	5.0	74	3.0418	499	4	5.0
34	-1.3068	454	2	5.0	75	3.4560	499	4	5.0
35	-1.2408	455	2	5.0	76	4.0000	499	4	5.0
36	-1.1749	457	3	5.0	77	4.0000	499	4	5.0
37	-1.1090	458	3	5.0					
38	-1.0430	460	3	5.0					
39	-0.9769	461	3	5.0					
40	-0.9104	462	3	5.0					

SS = scaled score; SEM = standard error of measurement (rounded to the nearest 0.5)

Table L-11. 2010 MEPA: Composite Raw Score to Scaled Score Correspondence—Grade Span 7–8, Reading Sessions 1 & 2/Writing Sessions 2 & 3

<i>Raw Score</i>	<i>Theta</i>	<i>SS</i>	<i>Performance Level</i>	<i>SEM</i>	<i>Raw Score</i>	<i>Theta</i>	<i>SS</i>	<i>Performance Level</i>	<i>SEM</i>
0	-4.6659	400	1	5.0	41	-0.8078	464	3	5.0
1	-4.5195	400	1	5.0	42	-0.7394	465	3	5.0
2	-4.3730	400	1	5.0	43	-0.6706	467	3	5.0
3	-4.2265	400	1	5.0	44	-0.6013	468	3	5.0
4	-4.0800	400	1	4.5	45	-0.5313	470	3	5.0
5	-3.9036	402	1	5.0	46	-0.4607	471	3	5.0
6	-3.7159	406	1	7.0	47	-0.3893	473	3	5.0
7	-3.5530	409	1	7.0	48	-0.3171	474	3	5.0
8	-3.4077	412	1	7.0	49	-0.2439	475	3	5.0
9	-3.2756	415	1	7.0	50	-0.1697	477	3	5.0
10	-3.1539	417	1	6.0	51	-0.0942	478	3	5.0
11	-3.0405	419	1	6.0	52	-0.0175	480	3	5.0
12	-2.9341	421	1	6.0	53	0.0608	482	3	5.0
13	-2.8336	423	1	6.0	54	0.1407	483	3	5.0
14	-2.7381	425	1	6.0	55	0.2224	485	3	5.0
15	-2.6469	427	1	6.0	56	0.3062	486	4	5.0
16	-2.5596	429	1	5.0	57	0.3922	488	4	6.0
17	-2.4755	431	1	5.0	58	0.4806	490	4	6.0
18	-2.3943	432	1	5.0	59	0.5715	492	4	6.0
19	-2.3156	434	1	5.0	60	0.6653	494	4	5.5
20	-2.2391	435	1	5.0	61	0.7621	496	4	4.5
21	-2.1645	437	1	5.0	62	0.8620	498	4	3.5
22	-2.0915	438	1	5.0	63	0.9652	499	4	3.0
23	-2.0198	440	1	5.0	64	1.0721	499	4	3.0
24	-1.9494	441	1	5.0	65	1.1828	499	4	3.0
25	-1.8799	442	1	5.0	66	1.2978	499	4	3.0
26	-1.8113	444	2	5.0	67	1.4176	499	4	3.0
27	-1.7433	445	2	5.0	68	1.5432	499	4	3.5
28	-1.6759	447	2	5.0	69	1.6756	499	4	3.5
29	-1.6089	448	2	5.0	70	1.8164	499	4	3.5
30	-1.5422	449	2	5.0	71	1.9679	499	4	3.5
31	-1.4757	451	2	5.0	72	2.1331	499	4	3.5
32	-1.4094	452	2	5.0	73	2.3167	499	4	4.0
33	-1.3431	453	2	5.0	74	2.5255	499	4	4.0
34	-1.2768	455	2	5.0	75	2.7713	499	4	4.5
35	-1.2105	456	2	5.0	76	3.0754	499	4	5.0
36	-1.1440	457	2	5.0	77	3.4873	499	4	5.0
37	-1.0773	459	2	5.0	78	4.0000	499	4	5.0
38	-1.0104	460	2	5.0	79	4.0000	499	4	5.0
39	-0.9432	461	2	5.0					
40	-0.8757	463	2	5.0					

SS = scaled score; SEM = standard error of measurement (rounded to the nearest 0.5)

Table L-12. 2010 MEPA: Composite Raw Score to Scaled Score Correspondence—Grade Span 7–8, Reading Sessions 1 & 2/Writing Sessions 1 & 2

<i>Raw Score</i>	<i>Theta</i>	<i>SS</i>	<i>Performance Level</i>	<i>SEM</i>	<i>Raw Score</i>	<i>Theta</i>	<i>SS</i>	<i>Performance Level</i>	<i>SEM</i>
0	-4.6500	400	1	5.0	41	-0.9634	461	2	5.0
1	-4.5153	400	1	5.0	42	-0.8978	462	2	5.0
2	-4.3806	400	1	5.0	43	-0.8317	463	2	5.0
3	-4.2458	400	1	4.5	44	-0.7649	465	3	5.0
4	-4.1111	400	1	4.5	45	-0.6976	466	3	5.0
5	-3.9646	401	1	4.5	46	-0.6294	468	3	5.0
6	-3.7816	404	1	5.5	47	-0.5604	469	3	5.0
7	-3.6232	408	1	7.0	48	-0.4904	470	3	5.0
8	-3.4823	410	1	7.0	49	-0.4194	472	3	5.0
9	-3.3545	413	1	6.0	50	-0.3471	473	3	5.0
10	-3.2369	415	1	6.0	51	-0.2734	475	3	5.0
11	-3.1274	418	1	6.0	52	-0.1982	476	3	5.0
12	-3.0246	420	1	6.0	53	-0.1212	478	3	5.0
13	-2.9274	422	1	6.0	54	-0.0423	479	3	5.0
14	-2.8350	423	1	6.0	55	0.0389	481	3	5.0
15	-2.7466	425	1	5.0	56	0.1225	483	3	5.0
16	-2.6619	427	1	5.0	57	0.2089	485	3	6.0
17	-2.5802	429	1	5.0	58	0.2984	486	4	6.0
18	-2.5012	430	1	5.0	59	0.3915	488	4	6.0
19	-2.4246	432	1	5.0	60	0.4884	490	4	6.0
20	-2.3500	433	1	5.0	61	0.5897	492	4	6.0
21	-2.2772	435	1	5.0	62	0.6957	494	4	5.5
22	-2.2060	436	1	5.0	63	0.8069	497	4	4.0
23	-2.1361	437	1	5.0	64	0.9238	499	4	3.0
24	-2.0673	439	1	5.0	65	1.0470	499	4	3.5
25	-1.9995	440	1	5.0	66	1.1771	499	4	3.5
26	-1.9326	442	1	5.0	67	1.3151	499	4	3.5
27	-1.8664	443	2	5.0	68	1.4622	499	4	3.5
28	-1.8008	444	2	5.0	69	1.6206	499	4	3.5
29	-1.7357	445	2	5.0	70	1.7935	499	4	4.0
30	-1.6710	447	2	5.0	71	1.9864	499	4	4.0
31	-1.6066	448	2	5.0	72	2.2082	499	4	4.5
32	-1.5424	449	2	5.0	73	2.4741	499	4	5.0
33	-1.4783	451	2	5.0	74	2.8113	499	4	5.0
34	-1.4143	452	2	5.0	75	3.2731	499	4	5.0
35	-1.3504	453	2	5.0	76	4.0000	499	4	5.0
36	-1.2864	454	2	5.0	77	4.0000	499	4	5.0
37	-1.2223	456	2	5.0					
38	-1.1580	457	2	5.0					
39	-1.0934	458	2	5.0					
40	-1.0286	460	2	5.0					

SS = scaled score; SEM = standard error of measurement (rounded to the nearest 0.5)

Table L-13. 2010 MEPA: Composite Raw Score to Scaled Score Correspondence—Grade Span 7–8, Reading Sessions 2 & 3/Writing Sessions 2 & 3

<i>Raw Score</i>	<i>Theta</i>	<i>SS</i>	<i>Performance Level</i>	<i>SEM</i>	<i>Raw Score</i>	<i>Theta</i>	<i>SS</i>	<i>Performance Level</i>	<i>SEM</i>
0	-4.5945	400	1	5.0	41	-0.4724	471	3	5.0
1	-4.4129	400	1	5.0	42	-0.4044	472	3	5.0
2	-4.2313	400	1	5.0	43	-0.3360	474	3	5.0
3	-4.0497	400	1	5.0	44	-0.2671	475	3	5.0
4	-3.8127	404	1	6.5	45	-0.1975	476	3	5.0
5	-3.5969	408	1	8.0	46	-0.1273	478	3	5.0
6	-3.4131	412	1	8.0	47	-0.0563	479	3	5.0
7	-3.2510	415	1	7.0	48	0.0156	481	3	5.0
8	-3.1051	418	1	7.0	49	0.0886	482	3	5.0
9	-2.9717	421	1	7.0	50	0.1628	484	3	5.0
10	-2.8486	423	1	6.0	51	0.2383	485	3	5.0
11	-2.7339	425	1	6.0	52	0.3152	487	4	5.0
12	-2.6263	428	1	6.0	53	0.3937	488	4	5.0
13	-2.5248	430	1	6.0	54	0.4740	490	4	5.0
14	-2.4285	432	1	6.0	55	0.5561	491	4	5.0
15	-2.3367	433	1	6.0	56	0.6403	493	4	6.0
16	-2.2486	435	1	5.0	57	0.7265	495	4	6.0
17	-2.1638	437	1	5.0	58	0.8150	497	4	6.0
18	-2.0817	439	1	5.0	59	0.9058	499	4	6.0
19	-2.0021	440	1	5.0	60	0.9991	500	5	6.0
20	-1.9245	442	1	5.0	61	1.0950	502	5	6.0
21	-1.8486	443	2	5.0	62	1.1937	504	5	6.0
22	-1.7743	445	2	5.0	63	1.2955	506	5	6.0
23	-1.7012	446	2	5.0	64	1.4006	508	5	6.0
24	-1.6293	448	2	5.0	65	1.5095	511	5	6.0
25	-1.5582	449	2	5.0	66	1.6229	513	5	6.0
26	-1.4880	450	2	5.0	67	1.7414	515	5	6.0
27	-1.4184	452	2	5.0	68	1.8661	518	5	7.0
28	-1.3494	453	2	5.0	69	1.9983	520	5	7.0
29	-1.2809	455	2	5.0	70	2.1397	523	5	7.0
30	-1.2128	456	2	5.0	71	2.2926	526	5	7.0
31	-1.1450	457	2	5.0	72	2.4602	530	5	8.0
32	-1.0775	459	2	5.0	73	2.6467	533	5	8.0
33	-1.0102	460	2	5.0	74	2.8587	538	5	9.0
34	-0.9430	461	2	5.0	75	3.1063	543	5	8.0
35	-0.8759	463	2	5.0	76	3.4088	549	5	5.5
36	-0.8089	464	3	5.0	77	3.8103	550	5	5.0
37	-0.7419	465	3	5.0	78	4.0000	550	5	5.0
38	-0.6747	467	3	5.0	79	4.0000	550	5	5.0
39	-0.6075	468	3	5.0					
40	-0.5401	469	3	5.0					

SS = scaled score; SEM = standard error of measurement (rounded to the nearest 0.5)

Table L-14. 2010 MEPA: Composite Raw Score to Scaled Score Correspondence—Grade Span 7–8, Reading Sessions 2 & 3/Writing Sessions 1 & 2

<i>Raw Score</i>	<i>Theta</i>	<i>SS</i>	<i>Performance Level</i>	<i>SEM</i>	<i>Raw Score</i>	<i>Theta</i>	<i>SS</i>	<i>Performance Level</i>	<i>SEM</i>
0	-4.5821	400	1	5.0	41	-0.6347	468	3	5.0
1	-4.4182	400	1	5.0	42	-0.5680	469	3	5.0
2	-4.2543	400	1	5.0	43	-0.5008	470	3	5.0
3	-4.0905	400	1	4.5	44	-0.4330	472	3	5.0
4	-3.8913	402	1	5.5	45	-0.3645	473	3	5.0
5	-3.6820	406	1	7.0	46	-0.2951	474	3	5.0
6	-3.5042	410	1	7.0	47	-0.2247	476	3	5.0
7	-3.3480	413	1	7.0	48	-0.1532	477	3	5.0
8	-3.2074	416	1	7.0	49	-0.0805	479	3	5.0
9	-3.0789	418	1	6.0	50	-0.0063	480	3	5.0
10	-2.9599	421	1	6.0	51	0.0695	482	3	5.0
11	-2.8488	423	1	6.0	52	0.1472	483	3	5.0
12	-2.7443	425	1	6.0	53	0.2269	485	3	5.0
13	-2.6454	427	1	6.0	54	0.3088	487	4	5.0
14	-2.5513	429	1	6.0	55	0.3932	488	4	6.0
15	-2.4612	431	1	5.0	56	0.4804	490	4	6.0
16	-2.3747	433	1	5.0	57	0.5707	492	4	6.0
17	-2.2913	434	1	5.0	58	0.6642	494	4	5.5
18	-2.2105	436	1	5.0	59	0.7613	496	4	4.5
19	-2.1320	438	1	5.0	60	0.8622	498	4	3.5
20	-2.0555	439	1	5.0	61	0.9672	499	4	3.0
21	-1.9807	441	1	5.0	62	1.0765	499	4	3.0
22	-1.9075	442	1	5.0	63	1.1906	499	4	3.0
23	-1.8355	443	2	5.0	64	1.3100	499	4	3.0
24	-1.7647	445	2	5.0	65	1.4352	499	4	3.5
25	-1.6949	446	2	5.0	66	1.5671	499	4	3.5
26	-1.6260	448	2	5.0	67	1.7073	499	4	3.5
27	-1.5578	449	2	5.0	68	1.8576	499	4	3.5
28	-1.4903	450	2	5.0	69	2.0210	499	4	4.0
29	-1.4233	452	2	5.0	70	2.2015	499	4	4.0
30	-1.3567	453	2	5.0	71	2.4049	499	4	4.5
31	-1.2906	454	2	5.0	72	2.6393	499	4	4.5
32	-1.2248	456	2	5.0	73	2.9160	499	4	5.0
33	-1.1592	457	2	5.0	74	3.2528	499	4	5.0
34	-1.0938	458	2	5.0	75	3.6896	499	4	5.0
35	-1.0284	460	2	5.0	76	4.0000	499	4	5.0
36	-0.9632	461	2	5.0	77	4.0000	499	4	5.0
37	-0.8978	462	2	5.0					
38	-0.8324	463	2	5.0					
39	-0.7668	465	3	5.0					
40	-0.7009	466	3	5.0					

SS = scaled score; SEM = standard error of measurement (rounded to the nearest 0.5)

Table L-15. 2010 MEPA: Composite Raw Score to Scaled Score Correspondence—Grade Span 9–12, Reading Sessions 1 & 2/Writing Sessions 2 & 3

<i>Raw Score</i>	<i>Theta</i>	<i>SS</i>	<i>Performance Level</i>	<i>SEM</i>	<i>Raw Score</i>	<i>Theta</i>	<i>SS</i>	<i>Performance Level</i>	<i>SEM</i>
0	-4.6042	400	1	5.0	41	-0.6014	468	3	5.0
1	-4.4295	400	1	5.0	42	-0.5394	470	3	5.0
2	-4.2549	400	1	5.0	43	-0.4769	471	3	5.0
3	-4.0802	400	1	4.5	44	-0.4138	472	3	5.0
4	-3.8661	403	1	6.0	45	-0.3501	473	3	5.0
5	-3.6527	407	1	7.5	46	-0.2856	475	3	5.0
6	-3.4695	411	1	8.0	47	-0.2202	476	3	5.0
7	-3.3068	414	1	7.0	48	-0.1539	477	3	5.0
8	-3.1594	417	1	7.0	49	-0.0865	479	3	5.0
9	-3.0238	420	1	7.0	50	-0.0179	480	3	5.0
10	-2.8980	422	1	6.0	51	0.0519	482	3	5.0
11	-2.7804	425	1	6.0	52	0.1231	483	3	5.0
12	-2.6699	427	1	6.0	53	0.1958	484	3	5.0
13	-2.5656	429	1	6.0	54	0.2700	486	3	5.0
14	-2.4667	431	1	6.0	55	0.3459	487	3	5.0
15	-2.3725	433	1	6.0	56	0.4235	489	4	5.0
16	-2.2826	435	1	5.0	57	0.5029	491	4	5.0
17	-2.1965	436	1	5.0	58	0.5842	492	4	5.0
18	-2.1137	438	1	5.0	59	0.6673	494	4	5.0
19	-2.0338	440	1	5.0	60	0.7524	496	4	4.0
20	-1.9565	441	1	5.0	61	0.8396	497	4	3.5
21	-1.8816	443	1	5.0	62	0.9289	499	4	2.5
22	-1.8087	444	1	5.0	63	1.0205	499	4	2.5
23	-1.7377	446	1	5.0	64	1.1146	499	4	3.0
24	-1.6683	447	1	5.0	65	1.2113	499	4	3.0
25	-1.6003	448	1	5.0	66	1.3111	499	4	3.0
26	-1.5336	449	1	5.0	67	1.4145	499	4	3.0
27	-1.4681	451	2	5.0	68	1.5218	499	4	3.0
28	-1.4034	452	2	5.0	69	1.6341	499	4	3.0
29	-1.3397	454	2	5.0	70	1.7521	499	4	3.0
30	-1.2766	455	2	5.0	71	1.8775	499	4	3.0
31	-1.2142	456	2	5.0	72	2.0121	499	4	3.0
32	-1.1522	457	2	5.0	73	2.1592	499	4	3.5
33	-1.0906	459	2	5.0	74	2.3237	499	4	3.5
34	-1.0294	460	2	5.0	75	2.5144	499	4	4.0
35	-0.9683	461	2	5.0	76	2.7483	499	4	4.5
36	-0.9074	462	2	5.0	77	3.0662	499	4	5.0
37	-0.8465	463	2	5.0	78	3.6100	499	4	5.0
38	-0.7855	465	3	5.0	79	4.0000	499	4	5.0
39	-0.7244	466	3	5.0					
40	-0.6631	467	3	5.0					

SS = scaled score; SEM = standard error of measurement (rounded to the nearest 0.5)

Table L-16. 2010 MEPA: Composite Raw Score to Scaled Score Correspondence—Grade Span 9–12, Reading Sessions 1 & 2/Writing Sessions 1 & 2

<i>Raw Score</i>	<i>Theta</i>	<i>SS</i>	<i>Performance Level</i>	<i>SEM</i>	<i>Raw Score</i>	<i>Theta</i>	<i>SS</i>	<i>Performance Level</i>	<i>SEM</i>
0	-4.5510	400	1	5.0	41	-0.8432	463	2	4.0
1	-4.3878	400	1	5.0	42	-0.7855	465	3	4.0
2	-4.2246	400	1	5.0	43	-0.7275	466	3	4.0
3	-4.0614	400	1	4.5	44	-0.6690	467	3	4.0
4	-3.8517	403	1	5.5	45	-0.6100	468	3	4.0
5	-3.6490	407	1	7.5	46	-0.5505	469	3	4.0
6	-3.4757	411	1	7.0	47	-0.4903	471	3	4.0
7	-3.3229	414	1	7.0	48	-0.4294	472	3	4.0
8	-3.1853	416	1	6.0	49	-0.3676	473	3	4.0
9	-3.0596	419	1	6.0	50	-0.3047	474	3	4.0
10	-2.9436	421	1	6.0	51	-0.2408	476	3	4.0
11	-2.8358	423	1	6.0	52	-0.1755	477	3	5.0
12	-2.7350	425	1	6.0	53	-0.1088	478	3	5.0
13	-2.6401	427	1	5.0	54	-0.0404	480	3	5.0
14	-2.5505	429	1	5.0	55	0.0299	481	3	5.0
15	-2.4653	431	1	5.0	56	0.1023	483	3	5.0
16	-2.3842	433	1	5.0	57	0.1772	484	3	5.0
17	-2.3065	434	1	5.0	58	0.2547	486	3	5.0
18	-2.2318	436	1	5.0	59	0.3354	487	3	5.0
19	-2.1598	437	1	5.0	60	0.4195	489	4	5.0
20	-2.0902	438	1	5.0	61	0.5074	491	4	5.0
21	-2.0226	440	1	5.0	62	0.5996	493	4	5.0
22	-1.9567	441	1	4.0	63	0.6965	494	4	5.5
23	-1.8925	442	1	4.0	64	0.7988	497	4	4.0
24	-1.8295	444	1	4.0	65	0.9068	499	4	3.0
25	-1.7678	445	1	4.0	66	1.0213	499	4	3.0
26	-1.7070	446	1	4.0	67	1.1429	499	4	3.0
27	-1.6471	447	1	4.0	68	1.2726	499	4	3.0
28	-1.5879	449	1	4.0	69	1.4114	499	4	3.5
29	-1.5293	449	1	4.0	70	1.5610	499	4	3.5
30	-1.4713	451	2	4.0	71	1.7242	499	4	3.5
31	-1.4136	452	2	4.0	72	1.9053	499	4	4.0
32	-1.3562	453	2	4.0	73	2.1123	499	4	4.0
33	-1.2991	454	2	4.0	74	2.3611	499	4	4.5
34	-1.2421	455	2	4.0	75	2.6879	499	4	5.0
35	-1.1853	457	2	4.0	76	3.2129	499	4	5.0
36	-1.1285	458	2	4.0	77	4.0000	499	4	5.0
37	-1.0717	459	2	4.0					
38	-1.0148	460	2	4.0					
39	-0.9578	461	2	4.0					
40	-0.9006	462	2	4.0					

SS = scaled score; SEM = standard error of measurement (rounded to the nearest 0.5)

Table L-17. 2010 MEPA: Composite Raw Score to Scaled Score Correspondence—Grade Span 9–12, Reading Sessions 2 & 3/Writing Sessions 2 & 3

<i>Raw Score</i>	<i>Theta</i>	<i>SS</i>	<i>Performance Level</i>	<i>SEM</i>	<i>Raw Score</i>	<i>Theta</i>	<i>SS</i>	<i>Performance Level</i>	<i>SEM</i>
0	-4.5519	400	1	5.0	41	-0.2752	475	3	5.0
1	-4.3253	400	1	5.0	42	-0.2141	476	3	5.0
2	-4.0986	400	1	5.0	43	-0.1524	477	3	5.0
3	-3.8199	404	1	7.0	44	-0.0902	479	3	5.0
4	-3.5570	409	1	9.0	45	-0.0273	480	3	5.0
5	-3.3376	413	1	8.0	46	0.0363	481	3	5.0
6	-3.1461	417	1	8.0	47	0.1008	483	3	5.0
7	-2.9750	421	1	7.0	48	0.1661	484	3	5.0
8	-2.8197	424	1	7.0	49	0.2324	485	3	5.0
9	-2.6777	427	1	7.0	50	0.2997	487	3	5.0
10	-2.5469	429	1	7.0	51	0.3680	488	3	5.0
11	-2.4256	432	1	6.0	52	0.4375	489	4	5.0
12	-2.3127	434	1	6.0	53	0.5081	491	4	5.0
13	-2.2069	436	1	6.0	54	0.5799	492	4	5.0
14	-2.1073	438	1	6.0	55	0.6530	494	4	5.0
15	-2.0131	440	1	6.0	56	0.7274	495	4	5.0
16	-1.9236	442	1	5.0	57	0.8032	497	4	5.0
17	-1.8381	443	1	5.0	58	0.8804	498	4	5.0
18	-1.7562	445	1	5.0	59	0.9593	499	4	5.0
19	-1.6775	447	1	5.0	60	1.0397	501	5	5.0
20	-1.6016	448	1	5.0	61	1.1220	503	5	5.0
21	-1.5280	449	1	5.0	62	1.2063	505	5	5.0
22	-1.4566	451	2	5.0	63	1.2927	506	5	5.0
23	-1.3871	453	2	5.0	64	1.3816	508	5	5.0
24	-1.3193	454	2	5.0	65	1.4733	510	5	5.0
25	-1.2529	455	2	5.0	66	1.5681	512	5	5.0
26	-1.1878	457	2	5.0	67	1.6666	514	5	6.0
27	-1.1238	458	2	5.0	68	1.7694	516	5	6.0
28	-1.0607	459	2	5.0	69	1.8774	518	5	6.0
29	-0.9984	460	2	5.0	70	1.9917	521	5	6.0
30	-0.9369	462	2	5.0	71	2.1139	523	5	6.0
31	-0.8759	463	2	4.0	72	2.2464	526	5	6.0
32	-0.8154	463	2	4.0	73	2.3925	529	5	7.0
33	-0.7552	465	3	4.0	74	2.5577	532	5	7.0
34	-0.6952	466	3	4.0	75	2.7511	536	5	8.0
35	-0.6355	468	3	4.0	76	2.9895	541	5	9.0
36	-0.5758	469	3	4.0	77	3.3112	547	5	6.5
37	-0.5160	470	3	4.0	78	3.8458	550	5	5.0
38	-0.4562	471	3	4.0	79	4.0000	550	5	5.0
39	-0.3962	473	3	4.0					
40	-0.3359	474	3	4.0					

SS = scaled score; SEM = standard error of measurement (rounded to the nearest 0.5)

Table L-18. 2010 MEPA: Composite Raw Score to Scaled Score Correspondence—Grade Span 9–12, Reading Sessions 2 & 3/Writing Sessions 1 & 2

<i>Raw Score</i>	<i>Theta</i>	<i>SS</i>	<i>Performance Level</i>	<i>SEM</i>	<i>Raw Score</i>	<i>Theta</i>	<i>SS</i>	<i>Performance Level</i>	<i>SEM</i>
0	-4.4886	400	1	5.0	41	-0.5275	470	3	4.0
1	-4.2809	400	1	5.0	42	-0.4697	471	3	4.0
2	-4.0732	400	1	5.0	43	-0.4115	472	3	4.0
3	-3.8042	404	1	6.5	44	-0.3527	473	3	4.0
4	-3.5587	409	1	8.0	45	-0.2934	475	3	4.0
5	-3.3555	413	1	8.0	46	-0.2334	476	3	4.0
6	-3.1799	417	1	7.0	47	-0.1726	477	3	4.0
7	-3.0244	420	1	7.0	48	-0.1108	478	3	4.0
8	-2.8844	422	1	6.0	49	-0.0480	480	3	4.0
9	-2.7570	425	1	6.0	50	0.0161	481	3	4.0
10	-2.6400	427	1	6.0	51	0.0815	482	3	5.0
11	-2.5317	430	1	6.0	52	0.1484	483	3	5.0
12	-2.4308	432	1	5.0	53	0.2170	485	3	5.0
13	-2.3362	433	1	5.0	54	0.2876	486	3	5.0
14	-2.2469	435	1	5.0	55	0.3602	488	3	5.0
15	-2.1621	437	1	5.0	56	0.4351	489	4	5.0
16	-2.0812	439	1	5.0	57	0.5125	491	4	5.0
17	-2.0038	440	1	5.0	58	0.5927	492	4	5.0
18	-1.9292	442	1	5.0	59	0.6760	494	4	5.0
19	-1.8571	443	1	5.0	60	0.7625	496	4	4.0
20	-1.7872	445	1	5.0	61	0.8526	498	4	3.0
21	-1.7192	446	1	5.0	62	0.9466	499	4	3.0
22	-1.6528	447	1	4.0	63	1.0449	499	4	3.0
23	-1.5878	449	1	4.0	64	1.1478	499	4	3.0
24	-1.5241	449	1	4.0	65	1.2557	499	4	3.0
25	-1.4614	451	2	4.0	66	1.3693	499	4	3.0
26	-1.3997	452	2	4.0	67	1.4892	499	4	3.0
27	-1.3388	454	2	4.0	68	1.6165	499	4	3.0
28	-1.2787	455	2	4.0	69	1.7526	499	4	3.5
29	-1.2192	456	2	4.0	70	1.8996	499	4	3.5
30	-1.1602	457	2	4.0	71	2.0611	499	4	3.5
31	-1.1017	458	2	4.0	72	2.2424	499	4	4.0
32	-1.0436	459	2	4.0	73	2.4527	499	4	4.0
33	-0.9858	461	2	4.0	74	2.7084	499	4	4.5
34	-0.9283	462	2	4.0	75	3.0442	499	4	5.0
35	-0.8710	463	2	4.0	76	3.5675	499	4	5.0
36	-0.8138	463	2	4.0	77	4.0000	499	4	5.0
37	-0.7567	465	3	4.0					
38	-0.6996	466	3	4.0					
39	-0.6424	468	3	4.0					
40	-0.5851	469	3	4.0					

SS = scaled score; SEM = standard error of measurement (rounded to the nearest 0.5)

Table L-19. 2010 MEPA: Raw to Scaled Score Correspondence—Grade Span K–2, Level A

<i>Subcategory</i>	<i>Raw Score</i>	<i>Theta</i>	<i>SS</i>
Reading	0	-4.0000	0
	1	-3.3802	2
	2	-2.7992	5
	3	-2.4080	6
	4	-2.1112	7
	5	-1.8710	8
	6	-1.6663	9
	7	-1.4841	9
	8	-1.3162	10
	9	-1.1566	11
	10	-1.0007	11
	11	-0.8442	12
	12	-0.6827	12
	13	-0.5105	13
	14	-0.3191	14
	15	-0.0939	15
	16	0.1969	16
	17	0.6538	17
	18	4.0000	30
Writing	0	-4.0000	0
	1	-1.9367	8
	2	-1.4123	10
	3	-1.0676	11
	4	-0.8013	12
	5	-0.5759	13
	6	-0.3691	14
	7	-0.1639	14
	8	0.0589	15
	9	0.3320	16
	10	0.7529	18
	11	4.0000	30

Table L-20. 2010 MEPA: Raw to Scaled Score Correspondence—Grade Span K–2, Level B

<i>Subcategory</i>	<i>Raw Score</i>	<i>Theta</i>	<i>SS</i>
	0	-4.0000	0
	1	-2.0414	7
	2	-1.5607	9
	3	-1.2437	10
	4	-0.9900	11
	5	-0.7673	12
	6	-0.5603	13
Reading	7	-0.3601	14
	8	-0.1595	14
	9	0.0485	15
	10	0.2729	16
	11	0.5289	17
	12	0.8484	18
	13	1.3320	20
	14	4.0000	30
	0	-4.0000	0
	1	-1.9826	8
	2	-1.5435	9
	3	-1.2726	10
	4	-1.0695	11
	5	-0.9023	12
	6	-0.7565	12
	7	-0.6239	13
	8	-0.4996	13
	9	-0.3798	14
	10	-0.2618	14
Writing	11	-0.1430	14
	12	-0.0211	15
	13	0.1065	15
	14	0.2428	16
	15	0.3915	16
	16	0.5576	17
	17	0.7486	18
	18	0.9755	19
	19	1.2570	20
	20	1.6281	21
	21	2.1854	23
	22	4.0000	30

Table L-21. 2010 MEPA: Raw to Scaled Score Correspondence—Grade Span 3–4, Sessions 1 & 2

<i>Subcategory</i>	<i>Raw Score</i>	<i>Theta</i>	<i>SS</i>
	0	-4.7466	0
	1	-4.4841	0
	2	-4.2216	0
	3	-3.9417	0
	4	-3.6199	1
	5	-3.3583	2
	6	-3.1335	3
	7	-2.9327	4
	8	-2.7486	5
	9	-2.5761	5
	10	-2.4121	6
	11	-2.2539	7
	12	-2.0997	7
	13	-1.9477	8
Reading	14	-1.7965	8
	15	-1.6443	9
	16	-1.4897	9
	17	-1.3305	10
	18	-1.1644	11
	19	-0.9884	11
	20	-0.7984	12
	21	-0.5887	13
	22	-0.3509	14
	23	-0.0721	15
	24	0.2680	16
	25	0.7001	18
	26	1.2679	20
	27	2.0851	23
	28	4.0000	30
	0	-4.4903	0
	1	-3.9991	0
	2	-3.3893	2
	3	-3.0116	4
	4	-2.7225	5
	5	-2.4785	6
	6	-2.2607	7
	7	-2.0587	7
	8	-1.8660	8
Writing	9	-1.6784	9
	10	-1.4923	9
	11	-1.3051	10
	12	-1.1146	11
	13	-0.9190	12
	14	-0.7166	12
	15	-0.5058	13
	16	-0.2843	14
	17	-0.0485	15
	18	0.2078	16

continued

<i>Subcategory</i>	<i>Raw Score</i>	<i>Theta</i>	<i>SS</i>
Writing	19	0.4950	17
	20	0.8313	18
	21	1.2514	20
	22	1.8350	22
	23	2.8120	26
	24	4.0000	30

Table L-22. 2010 MEPA: Raw to Scaled Score Correspondence—Grade Span 3–4, Sessions 2 & 3

<i>Subcategory</i>	<i>Raw Score</i>	<i>Theta</i>	<i>SS</i>
Reading	0	-4.6471	0
	1	-4.0397	0
	2	-3.3310	3
	3	-2.8880	4
	4	-2.5595	5
	5	-2.2910	6
	6	-2.0585	7
	7	-1.8490	8
	8	-1.6546	9
	9	-1.4701	9
	10	-1.2917	10
	11	-1.1164	11
	12	-0.9419	11
	13	-0.7661	12
	14	-0.5872	13
	15	-0.4030	13
	16	-0.2113	14
	17	-0.0098	15
	18	0.2043	16
	19	0.4337	17
	20	0.6807	18
	21	0.9471	19
	22	1.2345	20
	23	1.5473	21
	24	1.8967	22
	25	2.3082	24
	26	2.8373	26
	27	3.6269	29
28	4.0000	30	
Writing	0	-4.4934	0
	1	-3.7410	1
	2	-3.1138	3
	3	-2.7202	5
	4	-2.4165	6
	5	-2.1585	7
	6	-1.9264	8
	7	-1.7096	9

continued

<i>Subcategory</i>	<i>Raw Score</i>	<i>Theta</i>	<i>SS</i>
	8	-1.5014	9
	9	-1.2977	10
	10	-1.0956	11
	11	-0.8932	12
	12	-0.6889	12
	13	-0.4812	13
	14	-0.2686	14
	15	-0.0484	15
	16	0.1822	16
Writing	17	0.4270	17
	18	0.6897	18
	19	0.9737	19
	20	1.2823	20
	21	1.6209	21
	22	1.9994	22
	23	2.4317	24
	24	2.9392	26
	25	3.6142	29
	26	4.0000	30

Table L-23. 2010 MEPA: Raw to Scaled Score Correspondence—Grade Span 5–6, Sessions 1 & 2

<i>Subcategory</i>	<i>Raw Score</i>	<i>Theta</i>	<i>SS</i>
	0	-4.6595	0
	1	-4.3658	0
	2	-4.0721	0
	3	-3.7076	1
	4	-3.4019	2
	5	-3.1480	3
	6	-2.9246	4
	7	-2.7202	5
	8	-2.5280	6
	9	-2.3436	6
	10	-2.1639	7
Reading	11	-1.9868	8
	12	-1.8105	8
	13	-1.6337	9
	14	-1.4551	10
	15	-1.2735	10
	16	-1.0874	11
	17	-0.8948	12
	18	-0.6934	12
	19	-0.4797	13
	20	-0.2488	14
	21	0.0063	15
	22	0.2961	16
	23	0.6365	17

continued

<i>Subcategory</i>	<i>Raw Score</i>	<i>Theta</i>	<i>SS</i>
Reading	24	1.0516	19
	25	1.5746	21
	26	2.2478	23
	27	3.1991	27
	28	4.0000	30
Writing	0	-4.5117	0
	1	-4.1475	0
	2	-3.6950	1
	3	-3.3241	3
	4	-3.0386	4
	5	-2.7974	5
	6	-2.5822	5
	7	-2.3831	6
	8	-2.1940	7
	9	-2.0104	7
	10	-1.8292	8
	11	-1.6478	9
	12	-1.4640	10
	13	-1.2759	10
	14	-1.0815	11
	15	-0.8779	12
	16	-0.6613	13
	17	-0.4253	13
	18	-0.1605	14
	19	0.1490	16
	20	0.5284	17
	21	1.0147	19
	22	1.6636	21
	23	2.6415	25
24	4.0000	30	

Table L-24. 2010 MEPA: Raw to Scaled Score Correspondence—Grade Span 5–6, Sessions 2 & 3

<i>Subcategory</i>	<i>Raw Score</i>	<i>Theta</i>	<i>SS</i>
Reading	0	-4.7181	0
	1	-3.9062	0
	2	-3.1123	3
	3	-2.6380	5
	4	-2.2907	6
	5	-2.0111	7
	6	-1.7728	8
	7	-1.5614	9
	8	-1.3682	10
	9	-1.1872	11
	10	-1.0141	11
	11	-0.8457	12
12	-0.6790	12	

continued

<i>Subcategory</i>	<i>Raw Score</i>	<i>Theta</i>	<i>SS</i>
	13	-0.5117	13
	14	-0.3414	14
	15	-0.1659	14
	16	0.0171	15
	17	0.2099	16
	18	0.4152	17
	19	0.6355	17
Reading	20	0.8743	18
	21	1.1360	19
	22	1.4267	20
	23	1.7542	22
	24	2.1283	23
	25	2.5635	25
	26	3.0960	27
	27	3.8604	29
	28	4.0000	30
	0	-4.5791	0
	1	-3.7681	1
	2	-3.0750	3
	3	-2.6402	5
	4	-2.3054	6
	5	-2.0218	7
	6	-1.7677	8
	7	-1.5318	9
	8	-1.3073	10
	9	-1.0903	11
	10	-0.8780	12
	11	-0.6686	12
	12	-0.4604	13
Writing	13	-0.2512	14
	14	-0.0383	15
	15	0.1819	16
	16	0.4142	17
	17	0.6639	17
	18	0.9364	19
	19	1.2345	20
	20	1.5595	21
	21	1.9141	22
	22	2.3042	24
	23	2.7342	25
	24	3.2273	27
	25	3.9217	30
	26	4.0000	30

Table L-25. 2010 MEPA: Raw to Scaled Score Correspondence—Grade Span 7–8, Sessions 1 & 2

<i>Subcategory</i>	<i>Raw Score</i>	<i>Theta</i>	<i>SS</i>
	0	-4.9166	0
	1	-4.5294	0
	2	-4.1421	0
	3	-3.6843	1
	4	-3.2963	3
	5	-2.9855	4
	6	-2.7202	5
	7	-2.4841	6
	8	-2.2678	6
	9	-2.0651	7
	10	-1.8722	8
	11	-1.6860	9
	12	-1.5044	9
	13	-1.3254	10
Reading	14	-1.1471	11
	15	-0.9675	11
	16	-0.7844	12
	17	-0.5953	13
	18	-0.3971	14
	19	-0.1859	14
	20	0.0434	15
	21	0.2973	16
	22	0.5842	17
	23	0.9152	18
	24	1.3045	20
	25	1.7761	22
	26	2.3936	24
	27	3.4142	28
	28	4.0000	30
	0	-4.4748	0
	1	-3.9628	0
	2	-3.3613	2
	3	-2.9917	4
	4	-2.7123	5
	5	-2.4789	6
	6	-2.2719	6
	7	-2.0804	7
	8	-1.8979	8
Writing	9	-1.7201	9
	10	-1.5439	9
	11	-1.3672	10
	12	-1.1883	11
	13	-1.0061	11
	14	-0.8192	12
	15	-0.6260	13
	16	-0.4238	13
	17	-0.2080	14
	18	0.0294	15

continued

<i>Subcategory</i>	<i>Raw Score</i>	<i>Theta</i>	<i>SS</i>
Writing	19	0.3025	16
	20	0.6385	17
	21	1.0895	19
	22	1.7469	22
	23	2.7865	25
	24	4.0000	30

Table L-26. 2010 MEPA: Raw to Scaled Score Correspondence—Grade Span 7–8, Sessions 2 & 3

<i>Subcategory</i>	<i>Raw Score</i>	<i>Theta</i>	<i>SS</i>
Reading	0	-4.8670	0
	1	-4.0747	0
	2	-3.2106	3
	3	-2.6905	5
	4	-2.3181	6
	5	-2.0214	7
	6	-1.7694	8
	7	-1.5460	9
	8	-1.3416	10
	9	-1.1500	11
	10	-0.9667	11
	11	-0.7884	12
	12	-0.6121	13
	13	-0.4355	13
	14	-0.2560	14
	15	-0.0714	15
	16	0.1208	15
	17	0.3235	16
	18	0.5393	17
	19	0.7714	18
	20	1.0227	19
	21	1.2960	20
	22	1.5946	21
	23	1.9247	22
	24	2.2992	24
	25	2.7427	25
	26	3.3026	27
	27	4.0000	30
28	4.0000	30	
Writing	0	-4.4780	0
	1	-3.6558	1
	2	-3.0435	4
	3	-2.6733	5
	4	-2.3928	6
	5	-2.1560	7
	6	-1.9423	8
	7	-1.7404	8

continued

<i>Subcategory</i>	<i>Raw Score</i>	<i>Theta</i>	<i>SS</i>
	8	-1.5435	9
	9	-1.3474	10
	10	-1.1496	11
	11	-0.9495	11
	12	-0.7472	12
	13	-0.5431	13
	14	-0.3368	14
	15	-0.1261	15
	16	0.0924	15
Writing	17	0.3235	16
	18	0.5727	17
	19	0.8447	18
	20	1.1430	19
	21	1.4703	21
	22	1.8318	22
	23	2.2389	23
	24	2.7202	25
	25	3.3763	28
	26	4.0000	30

Table L-27. 2010 MEPA: Raw to Scaled Score Correspondence—Grade Span 9–12, Sessions 1 & 2

<i>Subcategory</i>	<i>Raw Score</i>	<i>Theta</i>	<i>SS</i>
	0	-4.6957	0
	1	-4.2410	0
	2	-3.7106	1
	3	-3.2553	3
	4	-2.9158	4
	5	-2.6397	5
	6	-2.4033	6
	7	-2.1935	7
	8	-2.0024	7
	9	-1.8246	8
	10	-1.6565	9
	11	-1.4953	9
Reading	12	-1.3389	10
	13	-1.1855	11
	14	-1.0335	11
	15	-0.8813	12
	16	-0.7272	12
	17	-0.5693	13
	18	-0.4053	13
	19	-0.2322	14
	20	-0.0461	15
	21	0.1585	16
	22	0.3891	16
	23	0.6558	17
	24	0.9713	19

continued

<i>Subcategory</i>	<i>Raw Sscore</i>	<i>Theta</i>	<i>SS</i>
Reading	25	1.3502	20
	26	1.8211	22
	27	2.5084	24
	28	4.0000	30
Writing	0	-4.2895	0
	1	-3.2343	3
	2	-2.7497	5
	3	-2.4457	6
	4	-2.2134	7
	5	-2.0182	7
	6	-1.8444	8
	7	-1.6834	9
	8	-1.5299	9
	9	-1.3803	10
	10	-1.2323	10
	11	-1.0845	11
	12	-0.9357	11
	13	-0.7852	12
	14	-0.6321	13
	15	-0.4751	13
	16	-0.3122	14
	17	-0.1400	14
	18	0.0467	15
	19	0.2560	16
	20	0.5017	17
	21	0.8083	18
	22	1.2292	20
	23	1.9184	22
24	4.0000	30	

Table L-28. 2010 MEPA: Raw to Scaled Score Correspondence—Grade Span 9–12, Sessions 2 & 3

<i>Subcategory</i>	<i>Raw Score</i>	<i>Theta</i>	<i>SS</i>
Reading	0	-4.5709	0
	1	-3.3275	3
	2	-2.6389	5
	3	-2.2262	7
	4	-1.9234	8
	5	-1.6790	9
	6	-1.4701	9
	7	-1.2845	10
	8	-1.1146	11
	9	-0.9554	11
	10	-0.8033	12
	11	-0.6554	13
	12	-0.5095	13
13	-0.3634	14	

continued

<i>Subcategory</i>	<i>Raw Score</i>	<i>Theta</i>	<i>SS</i>
	14	-0.2153	14
	15	-0.0633	15
	16	0.0943	15
	17	0.2596	16
	18	0.4346	17
	19	0.6216	17
	20	0.8233	18
Reading	21	1.0423	19
	22	1.2821	20
	23	1.5467	21
	24	1.8443	22
	25	2.1930	23
	26	2.6335	25
	27	3.2710	27
	28	4.0000	30
	0	-4.5793	0
	1	-3.0774	3
	2	-2.4369	6
	3	-2.0597	7
	4	-1.7784	8
	5	-1.5443	9
	6	-1.3366	10
	7	-1.1447	11
	8	-0.9623	11
	9	-0.7852	12
	10	-0.6106	13
	11	-0.4363	13
	12	-0.2602	14
Writing	13	-0.0805	15
	14	0.1044	15
	15	0.2953	16
	16	0.4921	17
	17	0.6943	18
	18	0.9018	18
	19	1.1163	19
	20	1.3415	20
	21	1.5831	21
	22	1.8486	22
	23	2.1508	23
	24	2.5214	24
	25	3.0849	27
	26	4.0000	30