

Appendix D—ITEM-LEVEL CLASSICAL STATISTICS

Table D-1. 2009 MEPA: Item-level Classical Statistics—Grade Span K–2 Spring 2009

<i>Session</i>	<i>Item position</i>	<i>Item type</i>	<i>Difficulty</i>	<i>Discrimination</i>	<i>N</i>	
A	01R	MC	0.97	0.17	10,533	
	02R	MC	0.94	0.22	10,533	
	04R	MC	0.93	0.30	10,533	
	05R	MC	0.82	0.35	10,533	
	07R	MC	0.79	0.39	10,533	
	08R	MC	0.73	0.39	10,533	
	09R	MC	0.58	0.33	10,533	
	10R	MC	0.58	0.34	10,533	
	12R	MC	0.55	0.39	10,533	
	13R	MC	0.65	0.38	10,533	
	14R	MC	0.54	0.49	10,533	
	15R	MC	0.43	0.40	10,533	
	16R	SA1	0.33	0.35	10,533	
	17R	MC	0.60	0.44	10,533	
	18R	MC	0.65	0.38	10,533	
	22R	SA1	0.51	0.25	10,533	
	23R	MC	0.60	0.28	10,533	
	24R	MC	0.70	0.44	10,533	
	01W	SA1	0.69	0.41	10,533	
	03W	SA1	0.67	0.35	10,533	
	04W	SA1	0.58	0.45	10,533	
	06W	SA2	0.34	0.59	10,533	
	07W	SA2	0.25	0.60	10,533	
	08W	SA2	0.30	0.60	10,533	
	09W	SA2	0.40	0.61	10,533	
		Listening	OR	0.63	0.69	10,533
		Fluency	OR	0.58	0.71	10,533
		Vocabulary	OR	0.57	0.71	10,533
		Pronunciation	OR	0.59	0.69	10,533
		Grammar	OR	0.55	0.70	10,533
	B	01R	MC	0.88	0.42	10,669
		02R	MC	0.85	0.43	10,669
		04R	MC	0.90	0.46	10,669
05R		MC	0.92	0.39	10,669	
06R		MC	0.84	0.44	10,669	
07R		MC	0.85	0.33	10,669	
09R		MC	0.81	0.52	10,669	
10R		MC	0.87	0.44	10,669	
11R		MC	0.71	0.39	10,669	
12R		MC	0.40	0.15	10,669	
13R		MC	0.60	0.39	10,669	
16R		MC	0.68	0.46	10,669	
17R		MC	0.53	0.31	10,669	
18R		MC	0.67	0.42	10,669	
01W		MC	0.67	0.36	10,669	
03W		MC	0.65	0.35	10,669	
04W		SA1	0.68	0.29	10,669	
05W		SA1	0.66	0.37	10,669	
07W		SA1	0.60	0.27	10,669	

continued

<i>Session</i>	<i>Item position</i>	<i>Item type</i>	<i>Difficulty</i>	<i>Discrimination</i>	<i>N</i>
	08W	SA1	0.62	0.35	10,669
	09W	SA2	0.79	0.61	10,669
	10W	SA2	0.76	0.55	10,669
	12W	SA2	0.82	0.59	10,669
	13W	SA2	0.68	0.56	10,669
	15W	STW	0.46	0.59	10,669
B	16W	STW	0.49	0.60	10,669
	17W	STW	0.40	0.55	10,669
	Listening	OR	0.79	0.58	10,669
	Fluency	OR	0.76	0.61	10,669
	Vocabulary	OR	0.73	0.59	10,669
	Pronunciation	OR	0.76	0.58	10,669
	Grammar	OR	0.72	0.59	10,669

MC = multiple-choice; OR = open-response; SA1 = 1 point short-answer; SA2 = 2 point short answer; SW = sentence-writing; STW = story-writing; WP = writing-prompt

Table D-2. 2009 MEPA: Item-level Classical Statistics—Grade Span 3–4 Spring 2009

<i>Session</i>	<i>Item position</i>	<i>Item type</i>	<i>Difficulty</i>	<i>Discrimination</i>	<i>N</i>
	101R	MC	0.95	0.42	3,520
	102R	MC	0.95	0.40	3,520
	103R	MC	0.80	0.54	3,520
	104R	MC	0.71	0.51	3,520
	105R	MC	0.71	0.47	3,520
	106R	MC	0.69	0.50	3,520
	107R	MC	0.63	0.48	3,520
	108R	MC	0.86	0.37	3,520
	109R	MC	0.82	0.56	3,520
	110R	SA2	0.81	0.59	3,520
	111R	SA2	0.64	0.58	3,520
	112R	SA2	0.84	0.66	3,520
	204R	MC	0.62	0.34	3,520
	205R	MC	0.65	0.52	3,520
	206R	MC	0.63	0.31	3,520
	207R	MC	0.73	0.62	3,520
	208R	MC	0.68	0.60	3,520
	209R	SA2	0.41	0.56	3,520
	216R	MC	0.60	0.42	3,520
	217R	MC	0.66	0.51	3,520
	218R	MC	0.63	0.49	3,520
1:2	219R	MC	0.53	0.37	3,520
	220R	SA2	0.26	0.49	3,520
	101W	SA1	0.88	0.58	3,520
	102W	SA1	0.80	0.61	3,520
	103W	SA1	0.85	0.51	3,520
	104W	SA1	0.76	0.55	3,520
	105W	SW	0.69	0.70	3,520
	106W	SW	0.71	0.72	3,520
	107W	SW	0.59	0.67	3,520
	108W	SW	0.34	0.51	3,520
	109W	SW	0.40	0.57	3,520
	203W	MC	0.77	0.48	3,520
	204W	MC	0.70	0.39	3,520
	206W	MC	0.67	0.53	3,520
	207W	MC	0.54	0.37	3,520
	210W	SW	0.65	0.69	3,520
	212W	WP	0.32	0.66	3,520
	Listening	OR	0.65	0.78	3,520
	Fluency	OR	0.62	0.80	3,520
	Vocabulary	OR	0.60	0.80	3,520
	Pronunciation	OR	0.63	0.78	3,520
	Grammar	OR	0.58	0.79	3,520
	204R	MC	0.78	0.21	7,364
	205R	MC	0.89	0.37	7,364
2:3	206R	MC	0.76	0.23	7,364
	207R	MC	0.93	0.40	7,364
	208R	MC	0.92	0.39	7,364
	209R	SA2	0.69	0.45	7,364

continued

<i>Session</i>	<i>Item position</i>	<i>Item type</i>	<i>Difficulty</i>	<i>Discrimination</i>	<i>N</i>
	216R	MC	0.83	0.35	7,364
	217R	MC	0.87	0.29	7,364
	218R	MC	0.86	0.39	7,364
	219R	MC	0.78	0.38	7,364
	220R	SA2	0.45	0.44	7,364
	301R	MC	0.79	0.37	7,364
	302R	MC	0.91	0.39	7,364
	303R	MC	0.92	0.30	7,364
	304R	MC	0.92	0.35	7,364
	305R	MC	0.92	0.37	7,364
	306R	SA2	0.42	0.48	7,364
	307R	MC	0.71	0.39	7,364
	308R	MC	0.51	0.37	7,364
	309R	MC	0.43	0.35	7,364
	310R	MC	0.83	0.37	7,364
	311R	OR	0.35	0.51	7,364
2:3	203W	MC	0.93	0.22	7,364
	204W	MC	0.87	0.31	7,364
	206W	MC	0.92	0.36	7,364
	207W	MC	0.76	0.33	7,364
	210W	SW	0.88	0.39	7,364
	212W	WP	0.51	0.41	7,364
	301W	MC	0.84	0.34	7,364
	302W	MC	0.74	0.33	7,364
	303W	MC	0.70	0.30	7,364
	304W	MC	0.73	0.28	7,364
	305W	SW	0.85	0.44	7,364
	306W	SW	0.85	0.44	7,364
	307W	WP	0.47	0.47	7,364
	308W	WP	0.51	0.46	7,364
	Listening	OR	0.84	0.52	7,364
	Fluency	OR	0.82	0.53	7,364
	Vocabulary	OR	0.79	0.54	7,364
	Pronunciation	OR	0.82	0.48	7,364
	Grammar	OR	0.78	0.54	7,364

MC = multiple-choice; OR = open-response; SA1 = 1 point short-answer; SA2 = 2 point short answer; SW = sentence-writing; STW = story-writing; WP = writing-prompt

Table D-3. 2009 MEPA: Item-level Classical Statistics—Grade Span 5–6 Spring 2009

<i>Session</i>	<i>Item position</i>	<i>Item type</i>	<i>Difficulty</i>	<i>Discrimination</i>	<i>N</i>
	101R	MC	0.90	0.42	2,049
	102R	MC	0.77	0.53	2,049
	103R	MC	0.33	0.03	2,049
	104R	MC	0.59	0.44	2,049
	105R	MC	0.70	0.34	2,049
	106R	MC	0.79	0.45	2,049
	107R	MC	0.65	0.53	2,049
	108R	MC	0.75	0.58	2,049
	109R	MC	0.84	0.41	2,049
	110R	SA2	0.73	0.67	2,049
	111R	SA2	0.54	0.74	2,049
	112R	SA2	0.62	0.67	2,049
	204R	MC	0.65	0.60	2,049
	205R	MC	0.50	0.48	2,049
	206R	MC	0.61	0.40	2,049
	207R	MC	0.63	0.50	2,049
	208R	MC	0.45	0.48	2,049
	209R	SA2	0.28	0.60	2,049
	216R	MC	0.46	0.26	2,049
	217R	MC	0.52	0.40	2,049
	218R	MC	0.34	0.25	2,049
1:2	219R	MC	0.33	0.31	2,049
	220R	SA2	0.26	0.51	2,049
	101W	SA1	0.86	0.58	2,049
	102W	SA1	0.88	0.58	2,049
	103W	SA1	0.85	0.59	2,049
	104W	SA1	0.83	0.54	2,049
	105W	SW	0.70	0.73	2,049
	106W	SW	0.65	0.74	2,049
	107W	SW	0.75	0.58	2,049
	108W	SW	0.71	0.62	2,049
	109W	SW	0.54	0.62	2,049
	203W	MC	0.55	0.41	2,049
	204W	MC	0.60	0.37	2,049
	206W	MC	0.44	0.44	2,049
	207W	MC	0.46	0.37	2,049
	210W	SW	0.62	0.67	2,049
	212W	WP	0.35	0.74	2,049
	Listening	OR	0.57	0.81	2,049
	Fluency	OR	0.52	0.81	2,049
	Vocabulary	OR	0.51	0.82	2,049
	Pronunciation	OR	0.52	0.79	2,049
	Grammar	OR	0.49	0.82	2,049
	204R	MC	0.95	0.27	5,172
	205R	MC	0.80	0.30	5,172
2:3	206R	MC	0.81	0.20	5,172
	207R	MC	0.91	0.35	5,172
	208R	MC	0.81	0.41	5,172
	209R	SA2	0.66	0.49	5,172

continued

<i>Session</i>	<i>Item position</i>	<i>Item type</i>	<i>Difficulty</i>	<i>Discrimination</i>	<i>N</i>
	216R	MC	0.66	0.30	5,172
	217R	MC	0.78	0.38	5,172
	218R	MC	0.56	0.39	5,172
	219R	MC	0.66	0.40	5,172
	220R	SA2	0.46	0.44	5,172
	301R	MC	0.60	0.34	5,172
	302R	MC	0.66	0.37	5,172
	303R	MC	0.58	0.34	5,172
	304R	MC	0.67	0.37	5,172
	305R	MC	0.82	0.45	5,172
	306R	SA2	0.55	0.42	5,172
	307R	MC	0.50	0.31	5,172
	308R	MC	0.70	0.38	5,172
	309R	MC	0.73	0.35	5,172
	310R	MC	0.72	0.37	5,172
	311R	OR	0.35	0.51	5,172
2:3	203W	MC	0.76	0.28	5,172
	204W	MC	0.79	0.19	5,172
	206W	MC	0.78	0.29	5,172
	207W	MC	0.68	0.25	5,172
	210W	SW	0.90	0.38	5,172
	212W	WP	0.60	0.42	5,172
	301W	MC	0.59	0.23	5,172
	302W	MC	0.62	0.24	5,172
	303W	MC	0.41	0.16	5,172
	304W	MC	0.76	0.42	5,172
	305W	SW	0.92	0.39	5,172
	306W	SW	0.80	0.44	5,172
	307W	WP	0.47	0.45	5,172
	308W	WP	0.52	0.47	5,172
	Listening	OR	0.84	0.52	5,172
	Fluency	OR	0.82	0.53	5,172
	Vocabulary	OR	0.79	0.54	5,172
	Pronunciation	OR	0.81	0.48	5,172
	Grammar	OR	0.78	0.54	5,172

MC = multiple-choice; OR = open-response; SA1 = 1 point short-answer; SA2 = 2 point short answer; SW = sentence-writing; STW = story-writing; WP = writing-prompt

Table D-4. 2009 MEPA: Item-level Classical Statistics—Grade Span 7–8 Spring 2009

<i>Session</i>	<i>Item position</i>	<i>Item type</i>	<i>Difficulty</i>	<i>Discrimination</i>	<i>N</i>
	101R	MC	0.86	0.43	1,819
	102R	MC	0.91	0.39	1,819
	103R	MC	0.76	0.40	1,819
	104R	MC	0.86	0.30	1,819
	105R	MC	0.53	0.41	1,819
	106R	MC	0.40	0.23	1,819
	107R	MC	0.37	0.35	1,819
	108R	MC	0.48	0.17	1,819
	109R	MC	0.46	0.20	1,819
	110R	SA2	0.68	0.60	1,819
	111R	SA2	0.51	0.46	1,819
	112R	SA2	0.41	0.50	1,819
	204R	MC	0.44	0.51	1,819
	205R	MC	0.41	0.37	1,819
	206R	MC	0.53	0.45	1,819
	207R	MC	0.46	0.18	1,819
	208R	MC	0.45	0.44	1,819
	209R	SA2	0.29	0.43	1,819
	216R	MC	0.25	0.14	1,819
	217R	MC	0.39	0.30	1,819
	218R	MC	0.51	0.41	1,819
1:2	219R	MC	0.43	0.27	1,819
	220R	SA2	0.26	0.41	1,819
	101W	SA1	0.84	0.49	1,819
	102W	SA1	0.79	0.54	1,819
	103W	SA1	0.66	0.57	1,819
	104W	SA1	0.81	0.47	1,819
	105W	SW	0.63	0.65	1,819
	106W	SW	0.56	0.69	1,819
	107W	SW	0.61	0.61	1,819
	108W	SW	0.63	0.57	1,819
	109W	SW	0.40	0.58	1,819
	203W	MC	0.58	0.50	1,819
	204W	MC	0.68	0.36	1,819
	206W	MC	0.64	0.36	1,819
	207W	MC	0.82	0.40	1,819
	210W	SW	0.52	0.64	1,819
	212W	WP	0.27	0.69	1,819
	Listening	OR	0.52	0.77	1,819
	Fluency	OR	0.45	0.79	1,819
	Vocabulary	OR	0.46	0.80	1,819
	Pronunciation	OR	0.46	0.78	1,819
	Grammar	OR	0.43	0.79	1,819
	204R	MC	0.86	0.45	4,021
	205R	MC	0.72	0.35	4,021
2:3	206R	MC	0.83	0.38	4,021
	207R	MC	0.63	0.32	4,021
	208R	MC	0.80	0.37	4,021
	209R	SA2	0.48	0.38	4,021

continued

<i>Session</i>	<i>Item position</i>	<i>Item type</i>	<i>Difficulty</i>	<i>Discrimination</i>	<i>N</i>
	216R	MC	0.45	0.29	4,021
	217R	MC	0.61	0.28	4,021
	218R	MC	0.79	0.41	4,021
	219R	MC	0.67	0.38	4,021
	220R	SA2	0.51	0.46	4,021
	301R	MC	0.69	0.38	4,021
	302R	MC	0.64	0.26	4,021
	303R	MC	0.72	0.41	4,021
	304R	MC	0.45	0.33	4,021
	305R	MC	0.52	0.32	4,021
	306R	SA2	0.49	0.32	4,021
	307R	MC	0.75	0.32	4,021
	308R	MC	0.56	0.41	4,021
	309R	MC	0.63	0.34	4,021
	310R	MC	0.66	0.40	4,021
	311R	OR	0.29	0.49	4,021
2:3	203W	MC	0.88	0.30	4,021
	204W	MC	0.82	0.21	4,021
	206W	MC	0.81	0.33	4,021
	207W	MC	0.96	0.25	4,021
	210W	SW	0.82	0.46	4,021
	212W	WP	0.48	0.45	4,021
	301W	MC	0.71	0.30	4,021
	302W	MC	0.75	0.32	4,021
	303W	MC	0.69	0.26	4,021
	304W	MC	0.78	0.37	4,021
	305W	SW	0.78	0.47	4,021
	306W	SW	0.75	0.49	4,021
	307W	WP	0.45	0.54	4,021
	308W	WP	0.50	0.51	4,021
	Listening	OR	0.82	0.55	4,021
	Fluency	OR	0.78	0.54	4,021
	Vocabulary	OR	0.75	0.55	4,021
	Pronunciation	OR	0.76	0.49	4,021
	Grammar	OR	0.74	0.55	4,021

MC = multiple-choice; OR = open-response; SA1 = 1 point short-answer; SA2 = 2 point short answer; SW = sentence-writing; STW = story-writing; WP = writing-prompt

Table D-5. 2009 MEPA: Item-level Classical Statistics—Grade Span 9–12 Spring 2009

<i>Session</i>	<i>Item position</i>	<i>Item type</i>	<i>Difficulty</i>	<i>Discrimination</i>	<i>N</i>
	101R	MC	0.83	0.42	3,325
	102R	MC	0.65	0.50	3,325
	103R	MC	0.45	0.29	3,325
	104R	MC	0.74	0.54	3,325
	105R	MC	0.63	0.38	3,325
	106R	MC	0.67	0.37	3,325
	107R	MC	0.60	0.31	3,325
	108R	MC	0.59	0.50	3,325
	109R	MC	0.56	0.37	3,325
	110R	SA2	0.77	0.58	3,325
	111R	SA2	0.57	0.60	3,325
	112R	SA2	0.64	0.56	3,325
	204R	MC	0.56	0.39	3,325
	205R	MC	0.57	0.47	3,325
	206R	MC	0.56	0.54	3,325
	207R	MC	0.44	0.37	3,325
	208R	MC	0.27	0.19	3,325
	209R	SA2	0.34	0.47	3,325
	216R	MC	0.41	0.39	3,325
	217R	MC	0.44	0.40	3,325
	218R	MC	0.40	0.38	3,325
1:2	219R	MC	0.21	0.21	3,325
	220R	SA2	0.15	0.47	3,325
	101W	SA1	0.81	0.51	3,325
	102W	SA1	0.83	0.45	3,325
	103W	SA1	0.78	0.62	3,325
	104W	SA1	0.72	0.61	3,325
	105W	SW	0.63	0.66	3,325
	106W	SW	0.66	0.58	3,325
	107W	SW	0.51	0.60	3,325
	108W	SW	0.43	0.61	3,325
	109W	SW	0.47	0.62	3,325
	203W	MC	0.73	0.39	3,325
	204W	MC	0.53	0.51	3,325
	206W	MC	0.49	0.38	3,325
	207W	MC	0.65	0.49	3,325
	210W	SW	0.50	0.62	3,325
	212W	WP	0.28	0.66	3,325
	Listening	OR	0.55	0.64	3,325
	Fluency	OR	0.49	0.65	3,325
	Vocabulary	OR	0.49	0.65	3,325
	Pronunciation	OR	0.49	0.62	3,325
	Grammar	OR	0.46	0.66	3,325
	204R	MC	0.85	0.28	6,106
	205R	MC	0.86	0.42	6,106
2:3	206R	MC	0.89	0.41	6,106
	207R	MC	0.75	0.36	6,106
	208R	MC	0.51	0.35	6,106
	209R	SA2	0.62	0.44	6,106

continued

<i>Session</i>	<i>Item position</i>	<i>Item type</i>	<i>Difficulty</i>	<i>Discrimination</i>	<i>N</i>
	216R	MC	0.71	0.33	6,106
	217R	MC	0.78	0.44	6,106
	218R	MC	0.77	0.42	6,106
	219R	MC	0.48	0.38	6,106
	220R	SA2	0.48	0.49	6,106
	301R	MC	0.60	0.22	6,106
	302R	MC	0.74	0.29	6,106
	303R	MC	0.44	0.30	6,106
	304R	MC	0.61	0.37	6,106
	305R	MC	0.50	0.41	6,106
	306R	SA2	0.58	0.36	6,106
	307R	MC	0.42	0.35	6,106
	308R	MC	0.43	0.26	6,106
	309R	MC	0.55	0.23	6,106
	310R	MC	0.49	0.24	6,106
	311R	OR	0.28	0.54	6,106
2:3	203W	MC	0.87	0.27	6,106
	204W	MC	0.84	0.41	6,106
	206W	MC	0.75	0.38	6,106
	207W	MC	0.88	0.38	6,106
	210W	SW	0.78	0.45	6,106
	212W	WP	0.57	0.59	6,106
	301W	MC	0.34	0.25	6,106
	302W	MC	0.57	0.44	6,106
	303W	MC	0.70	0.40	6,106
	304W	MC	0.69	0.34	6,106
	305W	SW	0.74	0.48	6,106
	306W	SW	0.79	0.44	6,106
	307W	WP	0.53	0.54	6,106
	308W	WP	0.51	0.55	6,106
	Listening	OR	0.82	0.52	6,106
	Fluency	OR	0.77	0.51	6,106
	Vocabulary	OR	0.75	0.52	6,106
	Pronunciation	OR	0.73	0.45	6,106
	Grammar	OR	0.73	0.52	6,106

MC = multiple-choice; OR = open-response; SA1 = 1 point short-answer; SA2 = 2 point short answer; SW = sentence-writing; STW = story-writing; WP = writing-prompt

Table D-6. 2009 MEPA: Item-level Classical Statistics—Grade Span K–2 Fall 2009

<i>Session</i>	<i>Item position</i>	<i>Item type</i>	<i>Difficulty</i>	<i>Discrimination</i>	<i>N</i>	
A	01R	MC	0.95	0.24	1,232	
	02R	MC	0.90	0.37	1,232	
	03R	MC	0.89	0.35	1,232	
	04R	MC	0.80	0.37	1,232	
	05R	MC	0.73	0.46	1,232	
	06R	MC	0.72	0.45	1,232	
	07R	MC	0.58	0.35	1,232	
	08R	MC	0.51	0.40	1,232	
	09R	MC	0.60	0.41	1,232	
	10R	MC	0.62	0.39	1,232	
	11R	MC	0.50	0.56	1,232	
	12R	MC	0.49	0.34	1,232	
	13R	SA1	0.27	0.41	1,232	
	14R	MC	0.59	0.48	1,232	
	15R	MC	0.63	0.44	1,232	
	16R	SA1	0.39	0.33	1,232	
	17R	MC	0.57	0.36	1,232	
	18R	MC	0.65	0.51	1,232	
	01W	SA1	0.55	0.57	1,232	
	02W	SA1	0.60	0.48	1,232	
	03W	SA1	0.61	0.56	1,232	
	04W	SA2	0.40	0.66	1,232	
	05W	SA2	0.26	0.63	1,232	
	06W	SA2	0.29	0.66	1,232	
	07W	SA2	0.33	0.59	1,232	
		Listening	OR	0.43	0.83	1,232
		Fluency	OR	0.38	0.84	1,232
		Vocabulary	OR	0.38	0.85	1,232
		Pronunciation	OR	0.40	0.83	1,232
		Grammar	OR	0.35	0.83	1,232
	B	01R	MC	0.82	0.40	372
		02R	MC	0.79	0.49	372
03R		MC	0.84	0.48	372	
04R		MC	0.87	0.46	372	
05R		MC	0.73	0.42	372	
06R		MC	0.80	0.34	372	
07R		MC	0.70	0.51	372	
08R		MC	0.78	0.48	372	
09R		MC	0.63	0.35	372	
10R		MC	0.39	0.21	372	
11R		MC	0.53	0.41	372	
12R		MC	0.57	0.45	372	
13R		MC	0.53	0.36	372	
14R		MC	0.56	0.49	372	
01W		MC	0.58	0.40	372	
02W		MC	0.56	0.40	372	
03W		SA1	0.63	0.33	372	
04W		SA1	0.59	0.40	372	
05W	SA1	0.33	0.33	372		

continued

<i>Session</i>	<i>Item position</i>	<i>Item type</i>	<i>Difficulty</i>	<i>Discrimination</i>	<i>N</i>
	06W	SA1	0.51	0.33	372
	07W	SA2	0.68	0.74	372
	08W	SA2	0.73	0.63	372
	09W	SA2	0.68	0.73	372
	10W	SA2	0.66	0.70	372
	11W	STW	0.44	0.71	372
B	12W	STW	0.38	0.70	372
	13W	STW	0.40	0.70	372
	Listening	OR	0.73	0.72	372
	Fluency	OR	0.70	0.73	372
	Vocabulary	OR	0.69	0.72	372
	Pronunciation	OR	0.71	0.68	372
	Grammar	OR	0.65	0.71	372

MC = multiple-choice; OR = open-response; SA1 = 1 point short-answer; SA2 = 2 point short answer; SW = sentence-writing; STW = story-writing; WP = writing-prompt

Table D-7. 2009 MEPA: Item-level Classical Statistics—Grade Span 3–4 Fall 2009

<i>Session</i>	<i>Item position</i>	<i>Item type</i>	<i>Difficulty</i>	<i>Discrimination</i>	<i>N</i>
	101R	MC	0.81	0.47	901
	102R	MC	0.80	0.48	901
	103R	MC	0.51	0.62	901
	104R	MC	0.41	0.44	901
	105R	MC	0.47	0.47	901
	106R	MC	0.45	0.51	901
	107R	MC	0.43	0.39	901
	108R	MC	0.71	0.39	901
	109R	MC	0.57	0.52	901
	110R	SA2	0.55	0.65	901
	111R	SA2	0.40	0.63	901
	112R	SA2	0.56	0.70	901
	201R	MC	0.41	0.36	901
	202R	MC	0.41	0.64	901
	203R	MC	0.47	0.35	901
	204R	MC	0.44	0.60	901
	205R	MC	0.39	0.63	901
	206R	SA2	0.18	0.62	901
	207R	MC	0.40	0.43	901
	208R	MC	0.39	0.53	901
	209R	MC	0.43	0.56	901
1:2	210R	MC	0.37	0.36	901
	211R	SA2	0.12	0.57	901
	101W	SA1	0.57	0.66	901
	102W	SA1	0.41	0.71	901
	103W	SA1	0.57	0.63	901
	104W	SA1	0.44	0.67	901
	105W	SW	0.43	0.78	901
	106W	SW	0.39	0.82	901
	107W	SW	0.27	0.74	901
	108W	SW	0.18	0.57	901
	109W	SW	0.19	0.62	901
	201W	MC	0.51	0.54	901
	202W	MC	0.53	0.45	901
	203W	MC	0.40	0.54	901
	204W	MC	0.36	0.38	901
	205W	SW	0.32	0.78	901
	206W	WP	0.17	0.80	901
	Listening	OR	0.38	0.86	901
	Fluency	OR	0.33	0.87	901
	Vocabulary	OR	0.33	0.87	901
	Pronunciation	OR	0.36	0.84	901
	Grammar	OR	0.31	0.86	901
	201R	MC	0.70	0.25	253
	202R	MC	0.85	0.45	253
2:3	203R	MC	0.72	0.34	253
	204R	MC	0.87	0.51	253
	205R	MC	0.84	0.53	253
	206R	SA2	0.50	0.44	253

continued

<i>Session</i>	<i>Item position</i>	<i>Item type</i>	<i>Difficulty</i>	<i>Discrimination</i>	<i>N</i>
	207R	MC	0.76	0.39	253
	208R	MC	0.85	0.37	253
	209R	MC	0.82	0.41	253
	210R	MC	0.74	0.32	253
	211R	SA2	0.39	0.40	253
	301R	MC	0.75	0.41	253
	302R	MC	0.90	0.38	253
	303R	MC	0.91	0.30	253
	304R	MC	0.89	0.33	253
	305R	MC	0.88	0.42	253
	306R	SA2	0.45	0.49	253
	307R	MC	0.64	0.33	253
	308R	MC	0.44	0.42	253
	309R	MC	0.45	0.23	253
	310R	MC	0.78	0.38	253
	311R	OR	0.26	0.56	253
2:3	201W	MC	0.91	0.36	253
	202W	MC	0.85	0.36	253
	203W	MC	0.89	0.36	253
	204W	MC	0.68	0.45	253
	205W	SW	0.77	0.50	253
	206W	WP	0.51	0.49	253
	301W	MC	0.80	0.47	253
	302W	MC	0.70	0.47	253
	303W	MC	0.69	0.29	253
	304W	MC	0.68	0.29	253
	305W	SW	0.81	0.55	253
	306W	SW	0.77	0.57	253
	307W	WP	0.48	0.53	253
	308W	WP	0.48	0.53	253
	Listening	OR	0.81	0.55	253
	Fluency	OR	0.79	0.58	253
	Vocabulary	OR	0.76	0.56	253
	Pronunciation	OR	0.79	0.52	253
	Grammar	OR	0.75	0.55	253

MC = multiple-choice; OR = open-response; SA1 = 1 point short-answer; SA2 = 2 point short answer; SW = sentence-writing; STW = story-writing; WP = writing-prompt

Table D-8. 2009 MEPA: Item-level Classical Statistics—Grade Span 5–6 Fall 2009

<i>Session</i>	<i>Item position</i>	<i>Item type</i>	<i>Difficulty</i>	<i>Discrimination</i>	<i>N</i>
	101R	MC	0.77	0.46	753
	102R	MC	0.56	0.52	753
	103R	MC	0.32	0.06	753
	104R	MC	0.46	0.46	753
	105R	MC	0.52	0.34	753
	106R	MC	0.68	0.36	753
	107R	MC	0.46	0.42	753
	108R	MC	0.58	0.53	753
	109R	MC	0.72	0.36	753
	110R	SA2	0.52	0.66	753
	111R	SA2	0.31	0.73	753
	112R	SA2	0.38	0.70	753
	201R	MC	0.40	0.60	753
	202R	MC	0.35	0.51	753
	203R	MC	0.47	0.43	753
	204R	MC	0.43	0.52	753
	205R	MC	0.30	0.43	753
	206R	SA2	0.13	0.58	753
	207R	MC	0.42	0.28	753
	208R	MC	0.41	0.50	753
	209R	MC	0.31	0.27	753
1:2	210R	MC	0.28	0.29	753
	211R	SA2	0.14	0.52	753
	101W	SA1	0.67	0.58	753
	102W	SA1	0.70	0.57	753
	103W	SA1	0.59	0.60	753
	104W	SA1	0.64	0.61	753
	105W	SW	0.47	0.76	753
	106W	SW	0.42	0.77	753
	107W	SW	0.58	0.66	753
	108W	SW	0.51	0.62	753
	109W	SW	0.37	0.61	753
	201W	MC	0.40	0.42	753
	202W	MC	0.46	0.48	753
	203W	MC	0.30	0.41	753
	204W	MC	0.36	0.39	753
	205W	SW	0.40	0.71	753
	206W	WP	0.20	0.80	753
	Listening	OR	0.37	0.84	753
	Fluency	OR	0.32	0.86	753
	Vocabulary	OR	0.32	0.86	753
	Pronunciation	OR	0.34	0.85	753
	Grammar	OR	0.30	0.86	753
	201R	MC	0.93	0.39	227
	202R	MC	0.85	0.32	227
2:3	203R	MC	0.81	0.19	227
	204R	MC	0.86	0.41	227
	205R	MC	0.78	0.37	227
	206R	SA2	0.61	0.52	227

continued

<i>Session</i>	<i>Item position</i>	<i>Item type</i>	<i>Difficulty</i>	<i>Discrimination</i>	<i>N</i>
	207R	MC	0.75	0.27	227
	208R	MC	0.82	0.39	227
	209R	MC	0.55	0.30	227
	210R	MC	0.63	0.43	227
	211R	SA2	0.52	0.42	227
	301R	MC	0.53	0.26	227
	302R	MC	0.65	0.26	227
	303R	MC	0.58	0.36	227
	304R	MC	0.66	0.39	227
	305R	MC	0.80	0.50	227
	306R	SA2	0.47	0.44	227
	307R	MC	0.50	0.30	227
	308R	MC	0.68	0.35	227
	309R	MC	0.78	0.27	227
	310R	MC	0.74	0.37	227
	311R	OR	0.34	0.52	227
2:3	201W	MC	0.76	0.31	227
	202W	MC	0.79	0.10	227
	203W	MC	0.79	0.44	227
	204W	MC	0.77	0.33	227
	205W	SW	0.89	0.37	227
	206W	WP	0.63	0.42	227
	301W	MC	0.60	0.23	227
	302W	MC	0.58	0.25	227
	303W	MC	0.34	0.20	227
	304W	MC	0.81	0.45	227
	305W	SW	0.84	0.48	227
	306W	SA2	0.72	0.52	227
	307W	WP	0.44	0.55	227
	308W	WP	0.48	0.56	227
	Listening	OR	0.79	0.64	227
	Fluency	OR	0.77	0.65	227
	Vocabulary	OR	0.73	0.67	227
	Pronunciation	OR	0.75	0.62	227
	Grammar	OR	0.74	0.64	227

MC = multiple-choice; OR = open-response; SA1 = 1 point short-answer; SA2 = 2 point short answer; SW = sentence-writing; STW = story-writing; WP = writing-prompt

Table D-9. 2009 MEPA: Item-level Classical Statistics—Grade Span 7–8 Fall 2009

<i>Session</i>	<i>Item position</i>	<i>Item type</i>	<i>Difficulty</i>	<i>Discrimination</i>	<i>N</i>
	101R	MC	0.69	0.45	743
	102R	MC	0.84	0.37	743
	103R	MC	0.66	0.42	743
	104R	MC	0.79	0.28	743
	105R	MC	0.43	0.37	743
	106R	MC	0.38	0.29	743
	107R	MC	0.26	0.41	743
	108R	MC	0.41	0.18	743
	109R	MC	0.41	0.14	743
	110R	SA2	0.50	0.63	743
	111R	SA2	0.36	0.51	743
	112R	SA2	0.25	0.60	743
	201R	MC	0.28	0.55	743
	202R	MC	0.32	0.43	743
	203R	MC	0.41	0.46	743
	204R	MC	0.43	0.19	743
	205R	MC	0.34	0.42	743
	206R	SA2	0.15	0.46	743
	207R	MC	0.27	0.06	743
	208R	MC	0.34	0.28	743
	209R	MC	0.40	0.50	743
1:2	210R	MC	0.38	0.32	743
	211R	SA2	0.18	0.52	743
	101W	SA1	0.60	0.56	743
	102W	SA1	0.57	0.65	743
	103W	SA1	0.39	0.69	743
	104W	SA1	0.61	0.60	743
	105W	SW	0.48	0.76	743
	106W	SW	0.29	0.77	743
	107W	SW	0.42	0.67	743
	108W	SW	0.48	0.60	743
	109W	SW	0.28	0.65	743
	201W	MC	0.35	0.54	743
	202W	MC	0.60	0.35	743
	203W	MC	0.59	0.42	743
	204W	MC	0.71	0.41	743
	205W	SW	0.35	0.70	743
	206W	WP	0.17	0.79	743
	Listening	OR	0.34	0.82	743
	Fluency	OR	0.28	0.83	743
	Vocabulary	OR	0.29	0.84	743
	Pronunciation	OR	0.29	0.82	743
	Grammar	OR	0.27	0.83	743
	201R	MC	0.81	0.53	302
	202R	MC	0.70	0.42	302
2:3	203R	MC	0.80	0.47	302
	204R	MC	0.62	0.29	302
	205R	MC	0.75	0.50	302
	206R	SA2	0.42	0.48	302

continued

<i>Session</i>	<i>Item position</i>	<i>Item type</i>	<i>Difficulty</i>	<i>Discrimination</i>	<i>N</i>
	207R	MC	0.48	0.29	302
	208R	MC	0.67	0.33	302
	209R	MC	0.83	0.53	302
	210R	MC	0.71	0.43	302
	211R	SA2	0.55	0.47	302
	301R	MC	0.64	0.41	302
	302R	MC	0.74	0.18	302
	303R	MC	0.70	0.45	302
	304R	MC	0.49	0.26	302
	305R	MC	0.53	0.41	302
	306R	SA2	0.48	0.43	302
	307R	MC	0.70	0.33	302
	308R	MC	0.57	0.46	302
	309R	MC	0.65	0.42	302
	310R	MC	0.69	0.47	302
	311R	OR	0.30	0.52	302
2:3	201W	MC	0.86	0.31	302
	202W	MC	0.81	0.25	302
	203W	MC	0.81	0.33	302
	204W	MC	0.92	0.41	302
	205W	SW	0.79	0.54	302
	206W	WP	0.56	0.68	302
	301W	MC	0.65	0.31	302
	302W	MC	0.76	0.31	302
	303W	MC	0.68	0.19	302
	304W	MC	0.71	0.36	302
	305W	SW	0.76	0.65	302
	306W	SW	0.74	0.67	302
	307W	WP	0.47	0.63	302
	308W	WP	0.52	0.67	302
	Listening	OR	0.75	0.79	302
	Fluency	OR	0.73	0.76	302
	Vocabulary	OR	0.71	0.78	302
	Pronunciation	OR	0.71	0.73	302
	Grammar	OR	0.70	0.79	302

MC = multiple-choice; OR = open-response; SA1 = 1 point short-answer; SA2 = 2 point short answer; SW = sentence-writing; STW = story-writing; WP = writing-prompt

Table D-10. 2009 MEPA: Item-level Classical Statistics—Grade Span 9–12 Fall 2009

<i>Session</i>	<i>Item position</i>	<i>Item type</i>	<i>Difficulty</i>	<i>Discrimination</i>	<i>N</i>
	101R	MC	0.82	0.34	1,496
	102R	MC	0.53	0.42	1,496
	103R	MC	0.42	0.30	1,496
	104R	MC	0.63	0.47	1,496
	105R	MC	0.62	0.30	1,496
	106R	MC	0.65	0.34	1,496
	107R	MC	0.59	0.27	1,496
	108R	MC	0.54	0.43	1,496
	109R	MC	0.52	0.31	1,496
	110R	SA2	0.71	0.56	1,496
	111R	SA2	0.43	0.58	1,496
	112R	SA2	0.60	0.51	1,496
	201R	MC	0.45	0.38	1,496
	202R	MC	0.52	0.43	1,496
	203R	MC	0.48	0.47	1,496
	204R	MC	0.40	0.34	1,496
	205R	MC	0.28	0.11	1,496
	206R	SA2	0.29	0.48	1,496
	207R	MC	0.42	0.41	1,496
	208R	MC	0.44	0.39	1,496
	209R	MC	0.39	0.40	1,496
1:2	210R	MC	0.24	0.25	1,496
	211R	SA2	0.14	0.49	1,496
	101W	SA1	0.76	0.50	1,496
	102W	SA1	0.80	0.44	1,496
	103W	SA1	0.67	0.59	1,496
	104W	SA1	0.63	0.63	1,496
	105W	SA2	0.54	0.68	1,496
	106W	SW	0.69	0.58	1,496
	107W	SW	0.33	0.64	1,496
	108W	SW	0.43	0.63	1,496
	109W	SW	0.43	0.69	1,496
	201W	MC	0.69	0.36	1,496
	202W	MC	0.48	0.40	1,496
	203W	MC	0.47	0.38	1,496
	204W	MC	0.59	0.50	1,496
	205W	SA2	0.51	0.65	1,496
	206W	WP	0.21	0.70	1,496
	Listening	OR	0.42	0.76	1,496
	Fluency	OR	0.36	0.76	1,496
	Vocabulary	OR	0.37	0.77	1,496
	Pronunciation	OR	0.37	0.75	1,496
	Grammar	OR	0.34	0.78	1,496
	201R	MC	0.85	0.34	654
	202R	MC	0.86	0.40	654
2:3	203R	MC	0.92	0.44	654
	204R	MC	0.73	0.40	654
	205R	MC	0.52	0.41	654
	206R	SA2	0.58	0.44	654

continued

<i>Session</i>	<i>Item position</i>	<i>Item type</i>	<i>Difficulty</i>	<i>Discrimination</i>	<i>N</i>
	207R	MC	0.76	0.30	654
	208R	MC	0.80	0.46	654
	209R	MC	0.80	0.41	654
	210R	MC	0.50	0.37	654
	211R	SA2	0.51	0.53	654
	301R	MC	0.62	0.28	654
	302R	MC	0.80	0.35	654
	303R	MC	0.49	0.34	654
	304R	MC	0.64	0.33	654
	305R	MC	0.51	0.42	654
	306R	SA2	0.55	0.37	654
	307R	MC	0.44	0.40	654
	308R	MC	0.46	0.31	654
	309R	MC	0.57	0.18	654
	310R	MC	0.51	0.23	654
	311R	OR	0.26	0.54	654
2:3	201W	MC	0.85	0.22	654
	202W	MC	0.85	0.47	654
	203W	MC	0.76	0.36	654
	204W	MC	0.89	0.37	654
	205W	SA2	0.88	0.47	654
	206W	WP	0.61	0.61	654
	301W	MC	0.40	0.27	654
	302W	MC	0.64	0.42	654
	303W	MC	0.74	0.43	654
	304W	MC	0.73	0.32	654
	305W	SW	0.79	0.50	654
	306W	SW	0.79	0.46	654
	307W	WP	0.57	0.56	654
	308W	WP	0.54	0.59	654
	Listening	OR	0.79	0.58	654
	Fluency	OR	0.74	0.56	654
	Vocabulary	OR	0.73	0.59	654
	Pronunciation	OR	0.72	0.48	654
	Grammar	OR	0.71	0.58	654

MC = multiple-choice; OR = open-response; SA1 = 1 point short-answer; SA2 = 2 point short answer; SW = sentence-writing; STW = story-writing; WP = writing-prompt