

**Massachusetts Tests for Educator Licensure (MTEL)
September 1, 2017 - August 31, 2018**

Technical Report Statistics by Test Form

Test Field and Form		Number of Tests Taken	Total Test Scaled Score Indices					Multiple-Choice Section					Open Response Section		Pearson Corr. of MC & OR Section Scores
			Mean	SEM	Decision Consistency	Stratified Alpha		Length	Keats' SEM	Computed SEM	KR20	G Coefficient			
						Fixed	Random					I Fixed	I Random		
01 Communication and Literacy Skills - Reading	A	1,031	258	13.5	0.84	--	--	36	2.4	2.0	0.70	--	--	--	
	B	1,000	257	13.5	0.84	--	--	36	2.4	2.0	0.73	--	--	--	
	C	768	257	15.1	0.83	--	--	36	2.4	2.0	0.70	--	--	--	
	D	317	252	13.3	0.86	--	--	36	2.5	2.2	0.76	--	--	--	
	E	380	257	15.1	0.84	--	--	36	2.4	2.0	0.69	--	--	--	
	F	395	251	13.5	0.82	--	--	36	2.5	2.2	0.76	--	--	--	
	G	357	259	14.3	0.80	--	--	36	2.3	1.9	0.69	--	--	--	
	H	802	253	13.3	0.87	--	--	36	2.5	2.2	0.76	--	--	--	
	J	332	252	14.2	0.78	--	--	36	2.4	2.1	0.73	--	--	--	
	K	812	253	13.1	0.84	--	--	36	2.5	2.2	0.75	--	--	--	
	L	797	255	14.0	0.84	--	--	36	2.4	2.1	0.77	--	--	--	
	M	995	258	12.3	0.87	--	--	36	2.4	2.1	0.76	--	--	--	
	N	842	258	13.3	0.82	--	--	36	2.3	2.0	0.72	--	--	--	
	P	870	251	14.2	0.79	--	--	36	2.4	2.1	0.72	--	--	--	

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						Fixed	Random					I Fixed	I Random		
01 Communication and Literacy Skills - Reading	Q	148	252	14.3	0.75	--	--	36	2.4	2.1	0.73	--	--	--	
	R	455	255	12.9	0.82	--	--	36	2.5	2.2	0.77	--	--	--	
01 Communication and Literacy Skills - Writing	A	198	252	10.7	0.87	0.90	0.82	40	2.7	2.4	0.83	0.87	0.53	0.55	
	B	1,386	256	10.7	0.91	0.91	0.83	40	2.7	2.3	0.84	0.88	0.58	0.60	
	C	1,087	256	10.8	0.89	0.90	0.82	40	2.6	2.2	0.84	0.86	0.50	0.59	
	D	1,086	252	10.5	--	0.90	0.83	40	2.6	2.3	0.84	0.86	0.54	0.57	
	E	1,227	252	10.5	0.87	0.91	0.80	40	2.7	2.4	0.82	0.89	0.53	0.57	
	F	687	255	11.0	0.88	0.92	0.83	40	2.7	2.3	0.85	0.90	0.52	0.62	
	G	801	255	10.9	0.89	0.91	0.83	40	2.7	2.3	0.83	0.89	0.57	0.62	
	H	1,024	255	10.8	0.88	0.90	0.80	40	2.7	2.3	0.83	0.86	0.52	0.57	
	J	845	254	11.3	0.90	0.91	0.80	40	2.8	2.4	0.83	0.88	0.51	0.56	
	K	858	253	11.2	0.89	0.91	0.82	40	2.7	2.3	0.85	0.88	0.54	0.53	
	L	148	252	11.6	0.89	0.92	0.79	40	2.7	2.3	0.83	0.92	0.50	0.56	
M	881	254	10.2	0.88	0.91	0.82	40	2.8	2.4	0.84	0.90	0.60	0.53		

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			Mean	SEM	Decision Consistency	Stratified Alpha		Length	Keats' SEM	Computed SEM	KR20	G Coefficient			
						Fixed	Random					I Fixed	I Random		
02 Early Childhood	A	42	235	--	--	--	--	85	--	--	--	--	--	--	--
	B	92	238	--	--	--	--	85	--	--	--	--	--	--	--
	C	173	232	9.7	0.83	0.84	0.81	85	3.8	3.9	0.80	0.92	0.37	0.37	0.37
	D	48	234	--	--	--	--	85	--	--	--	--	--	--	--
	E	123	231	9.4	0.86	0.85	0.83	85	3.8	3.9	0.82	0.85	0.39	0.38	0.38
	F	52	230	--	--	--	--	85	--	--	--	--	--	--	--
	G	103	240	9.3	0.77	0.81	0.79	85	3.8	3.8	0.78	0.82	0.45	0.34	0.34
	H	44	236	--	--	--	--	85	--	--	--	--	--	--	--
	J	240	234	9.8	0.79	0.83	0.79	85	3.8	3.8	0.79	0.91	0.34	0.32	0.32
	K	123	236	9.7	0.77	0.78	0.74	85	3.8	3.8	0.75	0.84	0.24	0.25	0.25
	L	152	236	9.3	0.82	0.86	0.84	85	3.8	3.8	0.83	0.85	0.44	0.51	0.51
	M	149	235	9.2	0.78	0.85	0.83	85	3.8	3.9	0.82	0.86	0.37	0.39	0.39
	N	104	231	9.6	0.82	0.85	0.83	85	3.7	3.8	0.82	0.91	0.55	0.32	0.32
	P	109	237	9.6	0.82	0.84	0.82	85	3.8	3.7	0.82	0.85	0.09	0.41	0.41
Q	69	233	--	--	--	--	85	--	--	--	--	--	--	--	

(Continued)

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			Mean	SEM	Decision Consistency	Stratified Alpha		Length	Keats' SEM	Computed SEM	KR20	G Coefficient			
						Fixed	Random					I Fixed	I Random		
02 Early Childhood	R	83	236	--	--	--	--	85	--	--	--	--	--	--	--
	S	75	236	--	--	--	--	85	--	--	--	--	--	--	--
03 General Curriculum - Multi-Subject	A	295	244	11.1	0.83	0.83	0.83	48	3.2	3.0	0.78	0.92	0.92	0.56	
	B	291	244	11.1	0.77	0.76	0.76	48	3.1	2.9	0.69	0.92	0.92	0.45	
	C	238	240	11.4	0.81	0.77	0.77	48	3.1	3.0	0.74	0.92	0.92	0.26	
	D	226	245	11.1	0.80	0.80	0.80	48	3.2	3.0	0.74	0.94	0.94	0.47	
	E	255	245	11.2	0.81	0.75	0.75	48	3.1	2.9	0.68	0.93	0.93	0.35	
	F	252	246	11.1	0.75	0.77	0.77	48	3.2	3.0	0.71	0.93	0.93	0.37	
	G	320	248	11.3	0.83	0.75	0.75	48	3.1	2.9	0.66	0.91	0.91	0.51	
	H	209	245	11.2	0.78	0.79	0.79	48	3.2	2.9	0.75	0.90	0.90	0.36	
	J	317	248	11.7	0.79	0.73	0.73	48	3.2	2.9	0.66	0.88	0.88	0.44	
	K	211	243	11.6	0.75	0.76	0.76	48	3.1	2.9	0.69	0.92	0.92	0.37	
	L	309	245	11.1	0.80	0.77	0.77	48	3.1	2.9	0.70	0.89	0.89	0.45	
	M	236	246	10.7	0.80	0.84	0.84	48	3.2	3.0	0.79	0.92	0.92	0.51	
N	296	241	10.9	0.79	0.77	0.77	48	3.1	2.9	0.70	0.91	0.91	0.43		

(Continued)

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			Mean	SEM	Decision Consistency	Stratified Alpha							G Coefficient		
						Fixed	Random	Length	Keats' SEM	Computed SEM	KR20	I Fixed	I Random		
03 General Curriculum - Multi-Subject	P	232	249	10.8	0.84	0.76	0.76	48	3.2	3.0	0.68	0.93	0.93	0.40	
03 General Curriculum - Mathematics	A	332	236	11.3	0.78	0.84	0.84	40	2.9	2.8	0.81	0.94	0.94	0.39	
	B	324	240	11.0	0.83	0.86	0.86	40	3.0	2.8	0.82	0.93	0.93	0.54	
	C	342	242	11.1	0.87	0.88	0.88	40	3.0	2.7	0.84	0.95	0.95	0.52	
	D	336	238	11.3	0.85	0.86	0.86	40	2.9	2.8	0.82	0.94	0.94	0.48	
	E	384	241	11.1	0.82	0.85	0.85	40	3.0	2.7	0.81	0.93	0.93	0.42	
	F	372	241	10.9	0.79	0.84	0.84	40	3.0	2.8	0.80	0.93	0.93	0.38	
	G	354	237	10.8	0.81	0.85	0.85	40	3.0	2.8	0.80	0.95	0.95	0.49	
	H	182	239	10.9	0.79	0.86	0.86	40	3.0	2.8	0.81	0.96	0.96	0.48	
	J	316	235	10.7	0.82	0.86	0.86	40	3.0	2.8	0.81	0.95	0.95	0.54	
	K	197	237	10.8	0.82	0.87	0.87	40	3.0	2.8	0.83	0.95	0.95	0.53	
	L	364	235	10.7	0.85	0.83	0.83	40	3.0	2.8	0.78	0.95	0.95	0.45	
	M	331	241	10.9	0.81	0.84	0.84	40	3.0	2.8	0.80	0.96	0.96	0.36	
	N	380	236	10.7	0.82	0.84	0.84	40	2.9	2.8	0.79	0.96	0.96	0.41	
P	325	238	10.8	0.83	0.84	0.84	40	3.0	2.8	0.79	0.96	0.96	0.42		

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						Fixed	Random					I Fixed	I Random		
06 History	A	112	247	7.1	0.90	0.93	0.90	85	4.3	4.1	0.90	0.92	0.61	0.68	
	B	21	254	--	--	--	--	85	--	--	--	--	--	--	
	C	134	253	7.1	0.90	0.93	0.91	85	4.3	4.0	0.90	0.94	0.64	0.66	
	D	122	248	7.4	0.93	0.94	0.91	85	4.4	4.0	0.90	0.94	0.71	0.60	
	E	114	244	6.9	0.88	0.94	0.92	85	4.4	4.1	0.91	0.94	0.72	0.69	
	F	114	250	7.2	0.88	0.94	0.92	85	4.4	4.0	0.92	0.92	0.64	0.62	
	G	127	247	7.5	0.91	0.94	0.90	85	4.4	4.0	0.91	0.95	0.56	0.58	
	H	119	251	7.1	0.89	0.94	0.92	85	4.3	4.0	0.91	0.93	0.70	0.62	
	J	109	254	6.8	0.92	0.94	0.92	85	4.4	4.0	0.91	0.93	0.67	0.63	
07 English	A	26	246	--	--	--	--	85	--	--	--	--	--	--	
	B	19	251	--	--	--	--	85	--	--	--	--	--	--	
	C	206	252	7.2	0.87	0.92	0.90	85	4.3	3.9	0.89	0.91	0.66	0.61	
	D	174	255	7.3	0.89	0.93	0.90	85	4.3	3.9	0.89	0.92	0.68	0.67	
	E	144	254	7.2	0.91	0.92	0.89	85	4.3	3.9	0.88	0.90	0.65	0.66	
	F	173	252	7.0	0.87	0.93	0.91	85	4.3	3.9	0.89	0.90	0.74	0.66	

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						Fixed	Random					I Fixed	I Random		
07 English	G	169	251	7.1	0.85	0.91	0.89	85	4.4	4.0	0.86	0.93	0.70	0.58	
	H	139	253	7.2	0.88	0.93	0.90	85	4.3	3.9	0.89	0.91	0.64	0.65	
08 Reading Specialist	A	104	243	11.4	0.81	0.84	0.80	85	3.6	3.3	0.80	0.94	0.44	0.39	
	B	88	245	--	--	--	--	85	--	--	--	--	--	--	
	C	66	244	--	--	--	--	85	--	--	--	--	--	--	
	D	77	243	--	--	--	--	85	--	--	--	--	--	--	
	E	81	245	--	--	--	--	85	--	--	--	--	--	--	
	F	60	241	--	--	--	--	85	--	--	--	--	--	--	
09 Mathematics	A	176	254	7.6	0.93	0.97	0.93	85	4.4	3.8	0.95	0.99	0.68	0.58	
	B	131	251	8.5	0.93	0.97	0.92	85	4.4	3.7	0.95	0.99	0.59	0.61	
	C	175	250	7.6	0.90	0.97	0.93	85	4.3	3.8	0.95	0.99	0.67	0.57	
	D	115	249	8.7	0.90	0.96	0.89	85	4.4	3.8	0.94	0.99	0.45	0.47	

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						Fixed	Random					I Fixed	I Random		
10 General Science	A	63	256	--	--	--	--	85	--	--	--	--	--	--	--
	B	83	258	--	--	--	--	85	--	--	--	--	--	--	--
	C	89	256	--	--	--	--	85	--	--	--	--	--	--	--
	D	85	259	--	--	--	--	85	--	--	--	--	--	--	--
11 Physics	A	22	243	--	--	--	--	85	--	--	--	--	--	--	--
	B	21	243	--	--	--	--	85	--	--	--	--	--	--	--
	C	36	242	--	--	--	--	85	--	--	--	--	--	--	--
	D	29	251	--	--	--	--	85	--	--	--	--	--	--	--
	E	19	250	--	--	--	--	85	--	--	--	--	--	--	--
	F	12	239	--	--	--	--	85	--	--	--	--	--	--	--
12 Chemistry	A	80	239	--	--	--	--	85	--	--	--	--	--	--	--
	B	82	244	--	--	--	--	85	--	--	--	--	--	--	--

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						Fixed	Random					I Fixed	I Random		
13 Biology	A	105	248	10.0	0.91	0.93	0.90	85	3.8	3.6	0.90	0.94	0.47	0.68	
	B	88	246	--	--	--	--	85	--	--	--	--	--	--	
	C	106	244	9.5	0.95	0.94	0.91	85	3.8	3.6	0.91	0.95	0.56	0.69	
	D	86	243	--	--	--	--	85	--	--	--	--	--	--	
14 Earth Science	A	6	--	--	--	--	--	85	--	--	--	--	--	--	
	B	31	230	--	--	--	--	85	--	--	--	--	--	--	
	C	24	233	--	--	--	--	85	--	--	--	--	--	--	
15 Latin and Classical Humanities	A	11	264	--	--	--	--	85	--	--	--	--	--	--	
	B	19	255	--	--	--	--	85	--	--	--	--	--	--	
16 Music	A	154	244	9.0	0.81	0.90	0.86	85	4.0	3.8	0.88	0.89	0.42	0.35	
	B	165	245	9.0	0.82	0.87	0.83	85	4.0	3.8	0.85	0.86	0.26	0.30	

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						Fixed	Random					I Fixed	I Random		
17 Visual Art	A	49	257	--	--	--	--	85	--	--	--	--	--	--	--
	B	82	259	--	--	--	--	85	--	--	--	--	--	--	--
	C	64	259	--	--	--	--	85	--	--	--	--	--	--	--
	D	75	261	--	--	--	--	85	--	--	--	--	--	--	--
19 Business	A	46	247	--	--	--	--	85	--	--	--	--	--	--	--
	B	35	244	--	--	--	--	85	--	--	--	--	--	--	--
21 Health/Family and Consumer Sciences	A	71	244	--	--	--	--	85	--	--	--	--	--	--	--
	B	76	249	--	--	--	--	85	--	--	--	--	--	--	--
	C	73	248	--	--	--	--	85	--	--	--	--	--	--	--
	D	69	250	--	--	--	--	85	--	--	--	--	--	--	--

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						Fixed	Random					I Fixed	I Random		
22 Physical Education	A	14	231	--	--	--	--	85	--	--	--	--	--	--	
	B	15	221	--	--	--	--	85	--	--	--	--	--	--	
	C	17	234	--	--	--	--	85	--	--	--	--	--	--	
	D	19	233	--	--	--	--	85	--	--	--	--	--	--	
	E	279	230	11.6	0.79	0.84	0.82	85	3.4	3.5	0.81	0.92	0.31	0.40	
	F	268	234	11.4	0.70	0.81	0.78	85	3.5	3.5	0.75	0.93	0.48	0.41	
26 French	A	38	254	--	--	--	--	85	--	--	--	--	--	--	
	B	30	247	--	--	--	--	85	--	--	--	--	--	--	
27 German	A	8	--	--	--	--	--	34	--	--	--	--	--	--	
28 Spanish	A	17	253	--	--	--	--	85	--	--	--	--	--	--	
	B	25	253	--	--	--	--	85	--	--	--	--	--	--	
	C	13	264	--	--	--	--	85	--	--	--	--	--	--	
	D	20	252	--	--	--	--	85	--	--	--	--	--	--	
	E	56	256	--	--	--	--	85	--	--	--	--	--	--	
	F	48	256	--	--	--	--	85	--	--	--	--	--	--	

(Continued)

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**Massachusetts Tests for Educator Licensure (MTEL)
September 1, 2017 - August 31, 2018**

Technical Report Statistics by Test Form

Test Field and Form		Number of Tests Taken	Total Test Scaled Score Indices					Multiple-Choice Section					Open Response Section		Pearson Corr. of MC & OR Section Scores
			Mean	SEM	Decision Consistency	Stratified Alpha		Length	Keats' SEM	Computed SEM	KR20	G Coefficient			
						Fixed	Random					I Fixed	I Random		
28 Spanish	G	24	259	--	--	--	--	85	--	--	--	--	--	--	
	H	24	251	--	--	--	--	85	--	--	--	--	--	--	
29 Chinese (Mandarin)	A	23	274	--	--	--	--	34	--	--	--	--	--	--	
	B	20	279	--	--	--	--	34	--	--	--	--	--	--	
30 Italian	A	8	--	--	--	--	--	34	--	--	--	--	--	--	
31 Russian	A	3	--	--	--	--	--	34	--	--	--	--	--	--	
32 Portuguese	A	13	240	--	--	--	--	34	--	--	--	--	--	--	
33 Technology/Engineering	A	44	246	--	--	--	--	85	--	--	--	--	--	--	
	B	34	238	--	--	--	--	85	--	--	--	--	--	--	
44 Speech	A	4	--	--	--	--	--	85	--	--	--	--	--	--	
45 Theater	A	2	--	--	--	--	--	85	--	--	--	--	--	--	
	B	37	263	--	--	--	--	85	--	--	--	--	--	--	
	C	33	261	--	--	--	--	85	--	--	--	--	--	--	

(Continued)

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			Mean	SEM	Decision Consistency	Stratified Alpha		Length	Keats' SEM	Computed SEM	KR20	G Coefficient			
						Fixed	Random					I Fixed	I Random		
46 Dance	A	5	--	--	--	--	--	85	--	--	--	--	--	--	
	B	23	229	--	--	--	--	85	--	--	--	--	--	--	
47 Middle School Mathematics	A	84	248	--	--	--	--	85	--	--	--	--	--	--	
	B	66	246	--	--	--	--	85	--	--	--	--	--	--	
	C	97	238	--	--	--	--	85	--	--	--	--	--	--	
	D	99	241	--	--	--	--	85	--	--	--	--	--	--	
	E	84	245	--	--	--	--	85	--	--	--	--	--	--	
	F	77	246	--	--	--	--	85	--	--	--	--	--	--	
48 Political Science/Political Philosophy	A	15	243	--	--	--	--	85	--	--	--	--	--	--	
	B	9	--	--	--	--	--	85	--	--	--	--	--	--	
50 Middle School Humanities	A	34	238	--	--	--	--	85	--	--	--	--	--	--	
	B	50	234	--	--	--	--	85	--	--	--	--	--	--	
	C	36	225	--	--	--	--	85	--	--	--	--	--	--	
	D	33	229	--	--	--	--	85	--	--	--	--	--	--	

(Continued)

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			Mean	SEM	Decision Consistency	Stratified Alpha		Length	Keats' SEM	Computed SEM	KR20	G Coefficient			
						Fixed	Random					I Fixed	I Random		
51 Middle School Mathematics/Science	A	21	226	--	--	--	--	85	--	--	--	--	--	--	--
	B	14	226	--	--	--	--	85	--	--	--	--	--	--	--
	C	23	224	--	--	--	--	85	--	--	--	--	--	--	--
	D	18	242	--	--	--	--	85	--	--	--	--	--	--	--
52 Academically Advanced	A	2	--	--	--	--	--	85	--	--	--	--	--	--	--
53 Elementary Mathematics	A	70	235	--	--	--	--	85	--	--	--	--	--	--	--
	B	70	235	--	--	--	--	85	--	--	--	--	--	--	--
	C	130	233	8.4	0.88	0.94	0.91	85	4.1	3.9	0.92	0.99	0.58	0.52	
	D	63	230	--	--	--	--	85	--	--	--	--	--	--	--
	E	64	229	--	--	--	--	85	--	--	--	--	--	--	--
	F	152	236	8.3	0.92	0.95	0.92	85	4.2	4.0	0.91	0.99	0.72	0.70	

(Continued)

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Technical Report Statistics by Test Form

Test Field and Form		Number of Tests Taken	Total Test Scaled Score Indices					Multiple-Choice Section					Open Response Section		Pearson Corr. of MC & OR Section Scores
			Mean	SEM	Decision Consistency	Stratified Alpha		Length	Keats' SEM	Computed SEM	KR20	G Coefficient			
						Fixed	Random					I Fixed	I Random		
54 English as a Second Language	A	190	235	9.6	0.78	0.80	0.77	85	3.7	3.8	0.73	0.82	0.56	0.38	
	B	191	233	9.7	0.78	0.83	0.81	85	3.7	3.8	0.78	0.82	0.62	0.45	
	C	183	233	10.1	0.84	0.88	0.85	85	3.7	3.7	0.85	0.79	0.43	0.51	
	D	172	232	9.8	0.83	0.86	0.85	85	3.7	3.8	0.83	0.78	0.53	0.54	
	E	398	234	9.7	0.76	0.86	0.85	85	3.7	3.8	0.82	0.86	0.66	0.43	
	F	366	234	9.8	0.83	0.85	0.84	85	3.8	3.8	0.82	0.82	0.51	0.44	
55 Adult Basic Education	A	12	260	--	--	--	--	85	--	--	--	--	--	--	
56 Sheltered English Immersion	A	304	245	8.8	0.84	0.82	0.79	52	3.2	2.9	0.69	0.81	0.72	0.39	
	B	248	244	8.8	0.78	0.79	0.77	52	3.1	2.9	0.66	0.84	0.77	0.28	
	C	247	243	8.7	0.77	0.78	0.74	52	3.2	2.9	0.69	0.77	0.68	0.22	
	D	250	247	8.8	0.84	0.82	0.80	52	3.2	2.9	0.73	0.81	0.74	0.33	
	E	129	245	8.8	0.81	0.78	0.74	52	3.2	2.9	0.68	0.76	0.65	0.30	
	F	115	247	8.7	0.86	0.81	0.79	52	3.2	2.9	0.72	0.77	0.69	0.40	
	G	88	247	--	--	--	--	52	--	--	--	--	--	--	
	H	90	247	--	--	--	--	52	--	--	--	--	--	--	

(Continued)

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			Mean	SEM	Decision Consistency	Stratified Alpha		Length	Keats' SEM	Computed SEM	KR20	G Coefficient			
						Fixed	Random					I Fixed	I Random		
56 Sheltered English Immersion	J	15	240	--	--	--	--	52	--	--	--	--	--	--	--
	K	8	--	--	--	--	--	52	--	--	--	--	--	--	--
90 Foundations of Reading	A	508	234	11.3	0.83	0.89	0.86	85	3.6	3.5	0.86	0.88	0.31	0.49	
	B	331	233	10.7	0.82	0.87	0.84	85	3.7	3.6	0.84	0.86	0.30	0.44	
	C	530	237	11.2	0.82	0.85	0.82	85	3.6	3.5	0.82	0.86	0.29	0.36	
	D	389	238	10.6	0.82	0.87	0.84	85	3.7	3.5	0.84	0.87	0.35	0.48	
	E	141	232	10.3	0.84	0.82	0.80	85	3.7	3.8	0.80	0.77	0.11	0.39	
	F	264	235	10.3	0.81	0.87	0.85	85	3.7	3.6	0.85	0.85	0.43	0.41	
	G	286	235	10.2	0.85	0.88	0.87	85	3.7	3.6	0.86	0.87	0.48	0.43	
	H	359	236	10.9	0.81	0.86	0.83	85	3.7	3.6	0.83	0.87	0.23	0.35	
	J	388	236	10.4	0.81	0.86	0.84	85	3.7	3.7	0.84	0.84	0.33	0.38	
	K	477	236	11.2	0.78	0.85	0.82	85	3.7	3.6	0.82	0.87	0.32	0.40	
	L	381	232	10.7	0.84	0.89	0.86	85	3.6	3.6	0.86	0.85	0.31	0.51	
	M	545	236	11.2	0.83	0.84	0.82	85	3.6	3.5	0.82	0.85	0.26	0.28	
N	398	239	10.4	0.83	0.88	0.85	85	3.8	3.6	0.86	0.84	0.22	0.39		

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						Fixed	Random					I Fixed	I Random		
90 Foundations of Reading	P	406	240	10.5	0.82	0.86	0.84	85	3.8	3.5	0.84	0.86	0.34	0.30	
	Q	225	237	10.5	0.80	0.87	0.84	85	3.7	3.6	0.84	0.87	0.29	0.45	
91 Vocational Technical Literacy Skills Test - Reading	A	48	274	--	--	--	--	51	--	--	--	--	--	--	
	B	57	275	--	--	--	--	51	--	--	--	--	--	--	
	C	57	275	--	--	--	--	51	--	--	--	--	--	--	
	D	48	273	--	--	--	--	51	--	--	--	--	--	--	
91 Vocational Technical Literacy Skills Test - Writing	A	61	247	--	--	--	--	34	--	--	--	--	--	--	
	B	76	248	--	--	--	--	34	--	--	--	--	--	--	
	C	72	250	--	--	--	--	34	--	--	--	--	--	--	
	D	67	247	--	--	--	--	34	--	--	--	--	--	--	

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