

**Massachusetts Tests for Educator Licensure (MTEL)
September 1, 2018 - August 31, 2019**

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						G Coefficient		
						Fixed	Random	Length	Keats' SEM	Computed SEM	KR20	I Fixed	I Random	
09 Mathematics	A	175	253	8.8	0.93	0.96	0.88	85	4.4	3.8	0.93	0.99	0.50	0.55
	B	143	252	8.7	0.90	0.97	0.92	85	4.4	3.7	0.95	0.99	0.55	0.56
	C	124	254	7.8	0.95	0.97	0.94	85	4.4	3.7	0.95	0.98	0.64	0.63
	D	114	255	8.2	0.92	0.97	0.92	85	4.3	3.7	0.95	0.99	0.48	0.69
10 General Science	A	82	256	--	--	--	--	85	--	--	--	--	--	--
	B	78	251	--	--	--	--	85	--	--	--	--	--	--
	C	77	255	--	--	--	--	85	--	--	--	--	--	--
	D	62	255	--	--	--	--	85	--	--	--	--	--	--
11 Physics	A	32	247	--	--	--	--	85	--	--	--	--	--	--
	B	32	253	--	--	--	--	85	--	--	--	--	--	--
	C	29	245	--	--	--	--	85	--	--	--	--	--	--
	D	28	244	--	--	--	--	85	--	--	--	--	--	--
12 Chemistry	A	84	236	--	--	--	--	85	--	--	--	--	--	--
	B	81	236	--	--	--	--	85	--	--	--	--	--	--

(Continued)

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						Fixed	Random	Length	Keats' SEM	Computed SEM	KR20	I Fixed	I Random		
13 Biology	A	110	249	9.3	0.93	0.93	0.91	85	3.9	3.6	0.90	0.95	0.58	0.71	
	B	104	248	9.7	0.86	0.91	0.88	85	3.8	3.6	0.88	0.96	0.41	0.61	
	C	75	247	--	--	--	--	85	--	--	--	--	--	--	
	D	68	247	--	--	--	--	85	--	--	--	--	--	--	
14 Earth Science	A	33	233	--	--	--	--	85	--	--	--	--	--	--	
	B	25	241	--	--	--	--	85	--	--	--	--	--	--	
15 Latin and Classical Humanities	A	18	257	--	--	--	--	85	--	--	--	--	--	--	
	B	13	265	--	--	--	--	85	--	--	--	--	--	--	
16 Music	A	133	244	8.7	0.85	0.90	0.88	85	4.0	3.8	0.88	0.89	0.60	0.34	
	B	130	244	9.0	0.83	0.86	0.82	85	4.0	3.8	0.85	0.83	0.35	0.20	
	C	15	248	--	--	--	--	85	--	--	--	--	--	--	
	D	12	234	--	--	--	--	85	--	--	--	--	--	--	

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			Mean	SEM	Decision Consistency	Stratified Alpha						G Coefficient		
						Fixed	Random	Length	Keats' SEM	Computed SEM	KR20	I Fixed	I Random	
17 Visual Art	A	81	261	--	--	--	--	85	--	--	--	--	--	--
	B	66	262	--	--	--	--	85	--	--	--	--	--	--
	C	62	261	--	--	--	--	85	--	--	--	--	--	--
	D	56	258	--	--	--	--	85	--	--	--	--	--	--
19 Business	A	37	247	--	--	--	--	85	--	--	--	--	--	--
	B	34	251	--	--	--	--	85	--	--	--	--	--	--
21 Health/Family and Consumer Sciences	A	75	247	--	--	--	--	85	--	--	--	--	--	--
	B	72	245	--	--	--	--	85	--	--	--	--	--	--
	C	69	248	--	--	--	--	85	--	--	--	--	--	--
	D	65	249	--	--	--	--	85	--	--	--	--	--	--

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			Mean	SEM	Decision Consistency	Stratified Alpha		Length	Keats' SEM	Computed SEM	KR20	G Coefficient			
						Fixed	Random					I Fixed	I Random		
22 Physical Education	A	133	232	11.5	0.81	0.78	0.75	85	3.4	3.5	0.73	0.89	0.38	0.39	
	B	131	233	11.6	0.71	0.68	0.65	85	3.4	3.5	0.62	0.89	0.23	0.31	
	C	130	234	11.8	0.70	0.71	0.67	85	3.4	3.5	0.64	0.91	0.19	0.37	
	D	119	231	12.0	0.75	0.77	0.75	85	3.4	3.5	0.74	0.87	0.14	0.36	
	E	68	230	--	--	--	--	85	--	--	--	--	--	--	
	F	68	233	--	--	--	--	85	--	--	--	--	--	--	
	G	2	--	--	--	--	--	85	--	--	--	--	--	--	
26 French	A	42	257	--	--	--	--	85	--	--	--	--	--	--	
	B	33	248	--	--	--	--	85	--	--	--	--	--	--	
27 German	A	9	267	--	--	--	--	34	--	--	--	--	--	--	
28 Spanish	A	68	254	--	--	--	--	85	--	--	--	--	--	--	
	B	63	256	--	--	--	--	85	--	--	--	--	--	--	
	C	49	256	--	--	--	--	85	--	--	--	--	--	--	
	D	35	258	--	--	--	--	85	--	--	--	--	--	--	

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			Mean	SEM	Decision Consistency	Stratified Alpha						G Coefficient		
						Fixed	Random	Length	Keats' SEM	Computed SEM	KR20	I Fixed	I Random	
29 Chinese (Mandarin)	A	25	277	--	--	--	--	34	--	--	--	--	--	--
	B	23	277	--	--	--	--	34	--	--	--	--	--	--
30 Italian	A	13	238	--	--	--	--	34	--	--	--	--	--	--
31 Russian	A	1	--	--	--	--	--	34	--	--	--	--	--	--
32 Portuguese	A	22	240	--	--	--	--	34	--	--	--	--	--	--
33 Technology/Engineering	A	44	242	--	--	--	--	85	--	--	--	--	--	--
	B	37	239	--	--	--	--	85	--	--	--	--	--	--
44 Speech	A	1	--	--	--	--	--	85	--	--	--	--	--	--
45 Theater	A	39	257	--	--	--	--	85	--	--	--	--	--	--
	B	35	259	--	--	--	--	85	--	--	--	--	--	--
46 Dance	A	24	226	--	--	--	--	85	--	--	--	--	--	--

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			Mean	SEM	Decision Consistency	Stratified Alpha						Multiple-Choice Section		
						Fixed	Random	Length	Keats' SEM	Computed SEM	KR20	I Fixed	I Random	
47 Middle School Mathematics	A	92	240	--	--	--	--	85	--	--	--	--	--	--
	B	92	247	--	--	--	--	85	--	--	--	--	--	--
	C	89	248	--	--	--	--	85	--	--	--	--	--	--
	D	86	238	--	--	--	--	85	--	--	--	--	--	--
	E	84	244	--	--	--	--	85	--	--	--	--	--	--
	F	68	242	--	--	--	--	85	--	--	--	--	--	--
48 Political Science/Political Philosophy	A	14	238	--	--	--	--	85	--	--	--	--	--	--
	B	10	251	--	--	--	--	85	--	--	--	--	--	--
50 Middle School Humanities	A	44	236	--	--	--	--	85	--	--	--	--	--	--
	B	40	229	--	--	--	--	85	--	--	--	--	--	--
	C	37	228	--	--	--	--	85	--	--	--	--	--	--
	D	30	224	--	--	--	--	85	--	--	--	--	--	--

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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	27	226	--	--	--	--	85	--	--	--	--	--	--	
	B	16	207	--	--	--	--	85	--	--	--	--	--	--	
	C	16	224	--	--	--	--	85	--	--	--	--	--	--	
	D	13	234	--	--	--	--	85	--	--	--	--	--	--	
53 Elementary Mathematics	A	114	235	8.2	0.90	0.95	0.92	85	4.1	3.9	0.92	1.00	0.67	0.67	
	B	93	235	--	--	--	--	85	--	--	--	--	--	--	
	C	84	235	--	--	--	--	85	--	--	--	--	--	--	
	D	72	231	--	--	--	--	85	--	--	--	--	--	--	
	E	67	239	--	--	--	--	85	--	--	--	--	--	--	
	F	63	235	--	--	--	--	85	--	--	--	--	--	--	
54 English as a Second Language	A	441	231	9.7	0.83	0.87	0.85	85	3.7	3.8	0.84	0.81	0.57	0.42	
	B	289	235	9.8	0.81	0.83	0.81	85	3.8	3.8	0.79	0.78	0.52	0.38	
	C	138	235	9.4	0.82	0.87	0.86	85	3.8	3.8	0.84	0.83	0.60	0.49	
	D	135	235	9.5	0.87	0.86	0.84	85	3.7	3.8	0.82	0.82	0.52	0.50	
	E	93	230	--	--	--	--	85	--	--	--	--	--	--	

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						Fixed	Random	Length	Keats' SEM	Computed SEM	KR20	I Fixed	I Random		
54 English as a Second Language	F	85	232	--	--	--	--	85	--	--	--	--	--	--	
	G	72	230	--	--	--	--	85	--	--	--	--	--	--	
	H	66	233	--	--	--	--	85	--	--	--	--	--	--	
55 Adult Basic Education	A	13	252	--	--	--	--	85	--	--	--	--	--	--	
56 Sheltered English Immersion	A	300	247	8.9	0.82	0.80	0.77	52	3.2	2.9	0.70	0.79	0.70	0.31	
	B	251	246	8.7	0.84	0.83	0.80	52	3.2	2.9	0.73	0.83	0.72	0.37	
	C	199	245	8.9	0.86	0.85	0.83	52	3.2	2.8	0.76	0.81	0.73	0.48	
	D	185	246	8.6	0.86	0.83	0.81	52	3.1	2.8	0.67	0.87	0.80	0.42	
	E	114	248	8.9	0.88	0.81	0.78	52	3.2	2.8	0.68	0.78	0.70	0.43	
	F	84	245	--	--	--	--	52	--	--	--	--	--	--	--
	G	59	250	--	--	--	--	52	--	--	--	--	--	--	--
	H	52	252	--	--	--	--	52	--	--	--	--	--	--	--
	J	48	244	--	--	--	--	52	--	--	--	--	--	--	--
	K	33	245	--	--	--	--	52	--	--	--	--	--	--	--

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						Fixed	Random					I Fixed	I Random		
90 Foundations of Reading	A	462	237	10.4	0.83	0.87	0.84	85	3.7	3.6	0.85	0.88	0.33	0.36	
	B	462	239	10.4	0.78	0.86	0.83	85	3.7	3.6	0.83	0.87	0.30	0.37	
	C	458	238	10.4	0.81	0.84	0.82	85	3.7	3.6	0.82	0.86	0.27	0.33	
	D	455	236	10.9	0.79	0.89	0.86	85	3.6	3.5	0.86	0.89	0.30	0.43	
	E	424	235	11.0	0.82	0.87	0.85	85	3.6	3.5	0.84	0.92	0.39	0.39	
	F	405	234	11.3	0.82	0.87	0.84	85	3.6	3.5	0.85	0.90	0.17	0.31	
	G	382	239	11.2	0.81	0.86	0.83	85	3.7	3.5	0.83	0.89	0.19	0.38	
	H	368	234	10.7	0.79	0.87	0.84	85	3.7	3.6	0.84	0.90	0.31	0.37	
	J	362	236	11.0	0.79	0.86	0.83	85	3.7	3.6	0.83	0.90	0.21	0.38	
	K	361	233	11.3	0.85	0.87	0.85	85	3.6	3.5	0.85	0.91	0.35	0.43	
	L	323	234	10.3	0.84	0.84	0.81	85	3.7	3.7	0.82	0.84	0.12	0.37	
	M	301	234	10.2	0.82	0.85	0.83	85	3.7	3.7	0.82	0.87	0.36	0.42	
	N	245	237	10.8	0.84	0.87	0.84	85	3.8	3.6	0.85	0.86	0.29	0.38	
	P	215	238	10.5	0.85	0.88	0.86	85	3.8	3.6	0.86	0.87	0.36	0.33	
Q	42	238	--	--	--	--	--	85	--	--	--	--	--	--	

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91 Vocational Technical Literacy Skills Test - Reading	A	57	276	--	--	--	--	51	--	--	--	--	--	--	
	B	55	271	--	--	--	--	51	--	--	--	--	--	--	
	C	50	274	--	--	--	--	51	--	--	--	--	--	--	
	D	45	270	--	--	--	--	51	--	--	--	--	--	--	
91 Vocational Technical Literacy Skills Test - Writing	A	91	248	--	--	--	--	34	--	--	--	--	--	--	
	B	79	251	--	--	--	--	34	--	--	--	--	--	--	
	C	62	241	--	--	--	--	34	--	--	--	--	--	--	
	D	60	249	--	--	--	--	34	--	--	--	--	--	--	

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