

**Massachusetts Tests for Educator Licensure (MTEL)
September 1, 2020 - August 31, 2021**

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	1,830	252	12.9	0.86	--	--	36	2.5	2.2	0.82	--	--	--	
	B	1,828	253	13.0	0.85	--	--	36	2.5	2.2	0.80	--	--	--	
	C	459	254	15.5	0.82	--	--	36	2.4	2.1	0.72	--	--	--	
	D	447	254	14.9	0.81	--	--	36	2.3	2.0	0.70	--	--	--	
	E	443	259	13.1	0.82	--	--	36	2.3	2.0	0.69	--	--	--	
	F	430	253	12.9	0.83	--	--	36	2.5	2.2	0.79	--	--	--	
	G	416	246	14.5	0.80	--	--	36	2.3	2.2	0.73	--	--	--	
	H	415	256	15.2	0.86	--	--	36	2.4	2.0	0.68	--	--	--	
	J	400	250	13.6	0.82	--	--	36	2.5	2.3	0.75	--	--	--	
	K	397	250	14.3	0.79	--	--	36	2.4	2.1	0.72	--	--	--	
	L	351	253	12.9	0.86	--	--	36	2.4	2.1	0.77	--	--	--	
	M	319	247	14.7	0.77	--	--	36	2.4	2.2	0.75	--	--	--	
	N	269	255	13.9	0.81	--	--	36	2.4	2.1	0.76	--	--	--	
	P	230	250	13.2	0.83	--	--	36	2.4	2.2	0.72	--	--	--	

(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		
01 Communication and Literacy Skills - Reading	Q	226	253	13.1	0.85	--	--	36	2.5	2.2	0.74	--	--	--	
	R	216	254	13.0	0.85	--	--	36	2.5	2.2	0.77	--	--	--	
	S	190	255	13.8	0.81	--	--	36	2.4	2.1	0.71	--	--	--	
	T	189	256	13.8	0.84	--	--	36	2.4	2.1	0.71	--	--	--	
01 Communication and Literacy Skills - Writing	A	1,920	253	11.7	0.89	0.92	0.80	40	2.7	2.3	0.86	0.89	0.47	0.59	
	B	1,870	255	11.6	0.89	0.92	0.79	40	2.8	2.3	0.86	0.90	0.47	0.56	
	C	1,298	252	11.4	0.86	0.90	0.78	40	2.6	2.4	0.81	0.91	0.46	0.53	
	D	1,292	252	11.6	--	0.91	0.80	40	2.6	2.3	0.82	0.90	0.46	0.58	
	E	1,268	251	11.3	0.86	0.91	0.81	40	2.7	2.4	0.83	0.90	0.54	0.56	
	F	1,192	252	11.5	0.88	0.91	0.80	40	2.6	2.3	0.84	0.89	0.50	0.56	

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			Mean	SEM	Decision Consistency	Stratified Alpha							G Coefficient		
						Fixed	Random	Length	Keats' SEM	Computed SEM	KR20	I Fixed	I Random		
002 Early Childhood	A	194	233	9.9	0.79	0.83	0.81	85	3.7	3.8	0.80	0.89	0.40	0.37	
	B	186	231	9.9	0.83	0.84	0.81	85	3.7	3.9	0.80	0.88	0.26	0.49	
	C	167	233	9.6	0.82	0.84	0.81	85	3.8	3.9	0.82	0.90	0.18	0.28	
	D	166	237	9.5	0.81	0.81	0.78	85	3.8	3.8	0.78	0.87	0.26	0.31	
	E	163	237	9.7	0.86	0.87	0.84	85	3.7	3.7	0.84	0.88	0.28	0.38	
	F	158	230	9.1	0.82	0.86	0.84	85	3.8	3.9	0.83	0.88	0.46	0.41	
	G	157	234	9.5	0.82	0.84	0.82	85	3.7	3.8	0.81	0.90	0.24	0.46	
	H	155	240	9.6	0.78	0.87	0.84	85	3.8	3.8	0.84	0.89	0.46	0.39	
03 General Curriculum - Multi-Subject	A	244	244	10.6	0.81	0.80	0.80	48	3.2	3.0	0.73	0.93	0.93	0.45	
	B	237	239	11.4	0.73	0.73	0.73	48	3.1	3.0	0.65	0.94	0.94	0.34	
	C	228	245	11.6	0.77	0.78	0.78	48	3.2	2.9	0.71	0.94	0.94	0.48	
	D	225	242	11.1	0.79	0.79	0.79	48	3.2	3.0	0.73	0.93	0.93	0.40	
	E	225	239	11.4	0.78	0.77	0.77	48	3.1	2.9	0.71	0.95	0.95	0.31	
	F	224	242	11.0	0.82	0.74	0.74	48	3.1	3.0	0.69	0.92	0.92	0.20	
	G	219	245	11.1	0.83	0.79	0.79	48	3.1	2.9	0.73	0.94	0.94	0.44	

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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	H	215	245	10.6	0.81	0.82	0.82	48	3.2	3.0	0.74	0.94	0.94	0.56
	J	213	241	11.0	0.75	0.80	0.80	48	3.1	2.9	0.72	0.94	0.94	0.51
	K	211	243	11.1	0.74	0.80	0.80	48	3.1	2.9	0.73	0.92	0.92	0.49
	L	204	245	11.1	0.77	0.75	0.75	48	3.2	3.0	0.68	0.92	0.92	0.38
	M	202	248	11.2	0.80	0.77	0.77	48	3.1	2.9	0.69	0.93	0.93	0.46
	N	179	241	11.0	0.80	0.74	0.74	48	3.2	3.0	0.66	0.91	0.91	0.46
	P	165	241	11.0	0.74	0.77	0.77	48	3.2	3.0	0.70	0.93	0.93	0.44
03 General Curriculum - Mathematics	A	266	235	10.6	0.86	0.86	0.86	40	3.0	2.8	0.82	0.96	0.96	0.46
	B	265	235	10.8	0.87	0.88	0.88	40	3.0	2.7	0.85	0.95	0.95	0.51
	C	256	233	10.6	0.87	0.86	0.86	40	3.0	2.8	0.83	0.94	0.94	0.41
	D	252	235	10.7	0.88	0.84	0.84	40	3.0	2.8	0.79	0.94	0.94	0.56
	E	251	235	10.6	0.87	0.86	0.86	40	3.0	2.8	0.81	0.96	0.96	0.46
	F	244	234	10.7	0.83	0.85	0.85	40	3.0	2.8	0.81	0.94	0.94	0.48
	G	236	233	10.6	0.84	0.87	0.87	40	2.9	2.8	0.82	0.97	0.97	0.53
	H	234	232	10.6	0.82	0.87	0.87	40	2.9	2.8	0.83	0.96	0.96	0.48

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			Mean	SEM	Decision Consistency	Stratified Alpha		Length	Keats' SEM	Computed SEM	KR20	G Coefficient			
						Fixed	Random					I Fixed	I Random		
03 General Curriculum - Mathematics	J	223	235	10.7	0.85	0.88	0.88	40	3.0	2.8	0.84	0.96	0.96	0.58	
	K	223	232	10.5	0.85	0.82	0.82	40	3.0	2.8	0.77	0.94	0.94	0.40	
	L	206	235	10.6	0.85	0.86	0.86	40	3.0	2.8	0.82	0.96	0.96	0.31	
	M	184	230	11.0	0.86	0.85	0.85	40	2.9	2.8	0.81	0.96	0.96	0.48	
	N	183	235	11.2	0.88	0.84	0.84	40	2.9	2.8	0.80	0.93	0.93	0.39	
	P	182	240	11.0	0.79	0.85	0.85	40	2.9	2.7	0.80	0.95	0.95	0.40	
006 History	A	160	251	7.4	0.91	0.94	0.91	85	4.4	4.0	0.90	0.96	0.61	0.69	
	B	130	248	7.5	0.89	0.95	0.93	85	4.3	4.0	0.92	0.96	0.73	0.69	
	C	83	247	7.1	0.87	0.91	0.87	85	4.4	4.1	0.87	0.91	0.58	0.49	
	D	82	245	7.3	0.85	0.94	0.91	85	4.3	4.0	0.91	0.97	0.65	0.71	
	E	77	250	7.3	0.93	0.94	0.91	85	4.3	4.0	0.91	0.95	0.64	0.69	
	F	75	247	7.0	0.91	0.95	0.92	85	4.3	4.0	0.91	0.95	0.69	0.72	
	G	72	251	6.8	0.92	0.95	0.93	85	4.4	4.0	0.91	0.97	0.78	0.77	
	H	71	246	6.6	0.92	0.94	0.93	85	4.4	4.1	0.90	0.94	0.80	0.69	
	J	57	247	--	--	--	--	85	--	--	--	--	--	--	

(Continued)

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						Fixed	Random					I Fixed	I Random		
006 History	K	56	248	--	--	--	--	85	--	--	--	--	--	--	
007 English	A	190	250	7.2	0.85	0.92	0.89	85	4.3	4.0	0.88	0.92	0.61	0.56	
	B	185	250	7.4	0.84	0.91	0.88	85	4.3	4.0	0.87	0.92	0.63	0.55	
	C	161	256	7.5	0.90	0.92	0.88	85	4.3	3.9	0.89	0.91	0.44	0.63	
	D	147	254	7.2	0.91	0.92	0.89	85	4.3	3.9	0.88	0.90	0.60	0.58	
008 Reading Specialist	A	68	246	10.9	0.86	0.93	0.90	85	3.6	3.3	0.90	0.96	0.69	0.42	
	B	60	246	11.2	0.80	0.85	0.82	85	3.5	3.2	0.81	0.95	0.50	0.29	
	C	53	244	--	--	--	--	85	--	--	--	--	--	--	
	D	53	244	--	--	--	--	85	--	--	--	--	--	--	
	E	49	246	--	--	--	--	85	--	--	--	--	--	--	
	F	45	246	--	--	--	--	85	--	--	--	--	--	--	
	G	42	240	--	--	--	--	85	--	--	--	--	--	--	
	H	39	242	--	--	--	--	85	--	--	--	--	--	--	

(Continued)

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						Fixed	Random					I Fixed	I Random		
009 Mathematics	A	148	259	7.6	0.97	0.97	0.94	85	4.3	3.6	0.95	1.00	0.70	0.71	
	B	136	255	7.7	0.94	0.97	0.93	85	4.4	3.7	0.94	0.99	0.67	0.63	
010 General Science	A	82	258	8.4	0.94	0.94	0.89	85	4.2	3.7	0.90	0.98	0.52	0.64	
	B	80	260	8.4	0.95	0.94	0.91	85	4.2	3.6	0.92	0.97	0.43	0.59	
	C	75	253	8.6	0.89	0.94	0.90	85	4.2	3.7	0.92	0.98	0.42	0.62	
	D	56	256	--	--	--	--	85	--	--	--	--	--	--	--
011 Physics	A	29	237	--	--	--	--	85	--	--	--	--	--	--	--
	B	24	245	--	--	--	--	85	--	--	--	--	--	--	--
	C	19	244	--	--	--	--	85	--	--	--	--	--	--	--
	D	16	242	--	--	--	--	85	--	--	--	--	--	--	--
012 Chemistry	A	55	245	--	--	--	--	85	--	--	--	--	--	--	--
	B	53	246	--	--	--	--	85	--	--	--	--	--	--	--

(Continued)

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						Fixed	Random	Length	Keats' SEM	Computed SEM	KR20	I Fixed	I Random		
013 Biology	A	71	246	9.3	0.85	0.92	0.91	85	3.8	3.7	0.90	0.97	0.51	0.57	
	B	65	247	9.4	0.87	0.93	0.90	85	3.8	3.6	0.91	0.96	0.40	0.54	
	C	54	245	--	--	--	--	85	--	--	--	--	--	--	
	D	49	251	--	--	--	--	85	--	--	--	--	--	--	
014 Earth Science	A	17	233	--	--	--	--	85	--	--	--	--	--	--	
	B	16	247	--	--	--	--	85	--	--	--	--	--	--	
015 Latin and Classical Humanities	A	13	279	--	--	--	--	85	--	--	--	--	--	--	
	B	10	261	--	--	--	--	85	--	--	--	--	--	--	
016 Music	A	166	243	8.8	0.86	0.88	0.85	85	4.0	3.8	0.86	0.87	0.51	0.32	
	B	158	241	8.6	0.84	0.87	0.84	85	4.0	3.8	0.85	0.88	0.55	0.25	
017 Visual Art	A	115	262	9.4	0.94	0.87	0.85	85	3.9	3.1	0.83	0.90	0.58	0.47	
	B	72	259	9.5	0.94	0.88	0.85	85	4.0	3.3	0.85	0.89	0.36	0.49	
	C	52	260	--	--	--	--	85	--	--	--	--	--	--	
	D	9	--	--	--	--	--	85	--	--	--	--	--	--	
	E	5	--	--	--	--	--	85	--	--	--	--	--	--	

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						Fixed	Random					I Fixed	I Random		
019 Business	A	31	239	--	--	--	--	85	--	--	--	--	--	--	
	B	30	245	--	--	--	--	85	--	--	--	--	--	--	
021 Health/Family and Consumer Sciences	A	73	246	13.0	0.80	0.74	--	85	3.3	3.0	0.70	1.00	0.00	0.05	
	B	66	246	12.6	0.84	0.88	0.85	85	3.4	3.1	0.85	1.00	0.25	0.42	
	C	53	247	--	--	--	--	85	--	--	--	--	--	--	
	D	39	245	--	--	--	--	85	--	--	--	--	--	--	
022 Physical Education	A	106	228	12.0	0.76	0.66	0.62	85	3.3	3.5	0.60	1.00	0.25	0.21	
	B	96	230	11.5	0.84	0.75	0.73	85	3.4	3.5	0.69	1.00	0.47	0.42	
	C	94	231	11.7	0.77	0.85	0.82	85	3.4	3.5	0.82	1.00	0.09	0.46	
	D	89	229	11.2	0.80	0.77	0.75	85	3.4	3.5	0.73	1.00	0.58	0.20	
	E	79	232	11.4	0.80	0.86	0.83	85	3.5	3.5	0.82	1.00	0.44	0.40	
	F	65	230	10.9	0.74	0.70	0.67	85	3.4	3.5	0.66	1.00	0.21	0.25	
	G	19	232	--	--	--	--	85	--	--	--	--	--	--	--

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						Fixed	Random					I Fixed	I Random		
026 French	A	41	249	--	--	--	--	85	--	--	--	--	--	--	--
	B	39	249	--	--	--	--	85	--	--	--	--	--	--	--
027 German	A	6	--	--	--	--	--	34	--	--	--	--	--	--	--
028 Spanish	A	92	255	9.4	0.88	0.91	0.86	85	4.0	3.6	0.85	0.90	0.63	0.54	
	B	90	255	9.2	0.89	0.90	0.85	85	4.0	3.6	0.83	0.91	0.68	0.52	
	C	51	254	--	--	--	--	85	--	--	--	--	--	--	
	D	38	254	--	--	--	--	85	--	--	--	--	--	--	
029 Chinese (Mandarin)	A	14	272	--	--	--	--	34	--	--	--	--	--	--	
	B	9	--	--	--	--	--	34	--	--	--	--	--	--	
030 Italian	A	5	--	--	--	--	--	34	--	--	--	--	--	--	
031 Russian	A	1	--	--	--	--	--	34	--	--	--	--	--	--	
032 Portuguese	A	22	246	--	--	--	--	34	--	--	--	--	--	--	

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						Fixed	Random					I Fixed	I Random		
033 Technology/Engineering	A	29	245	--	--	--	--	85	--	--	--	--	--	--	
	B	22	248	--	--	--	--	85	--	--	--	--	--	--	
044 Speech	A	3	--	--	--	--	--	85	--	--	--	--	--	--	
045 Theater	A	38	257	--	--	--	--	85	--	--	--	--	--	--	
	B	29	256	--	--	--	--	85	--	--	--	--	--	--	
046 Dance	A	27	219	--	--	--	--	85	--	--	--	--	--	--	
047 Middle School Mathematics	A	126	245	8.1	0.90	0.96	0.93	85	4.3	3.9	0.93	0.99	0.64	0.69	
	B	125	247	7.8	0.91	0.97	0.94	85	4.3	3.8	0.95	0.99	0.74	0.77	
048 Political Science/Political Philosophy	A	16	236	--	--	--	--	85	--	--	--	--	--	--	
	B	9	--	--	--	--	--	85	--	--	--	--	--	--	

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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		
050 Middle School Humanities	A	43	236	--	--	--	--	85	--	--	--	--	--	--	
	B	42	235	--	--	--	--	85	--	--	--	--	--	--	
	C	26	239	--	--	--	--	85	--	--	--	--	--	--	
	D	24	236	--	--	--	--	85	--	--	--	--	--	--	
051 Middle School Mathematics/Science	A	23	230	--	--	--	--	85	--	--	--	--	--	--	
	B	21	219	--	--	--	--	85	--	--	--	--	--	--	
	C	19	233	--	--	--	--	85	--	--	--	--	--	--	
	D	17	232	--	--	--	--	85	--	--	--	--	--	--	
053 Elementary Mathematics	A	101	236	8.6	0.94	0.96	0.92	85	4.1	3.8	0.93	1.00	0.58	0.55	
	B	91	230	8.3	0.95	0.96	0.92	85	4.2	4.0	0.93	1.00	0.59	0.65	
	C	57	239	--	--	--	--	85	--	--	--	--	--	--	
	D	55	232	--	--	--	--	85	--	--	--	--	--	--	
	E	54	236	--	--	--	--	85	--	--	--	--	--	--	
	F	45	233	--	--	--	--	85	--	--	--	--	--	--	

(Continued)

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**Massachusetts Tests for Educator Licensure (MTEL)
September 1, 2020 - August 31, 2021**

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		
054 English as a Second Language	A	191	230	9.5	0.85	0.84	0.83	85	3.7	3.8	0.81	0.80	0.54	0.52	
	B	183	229	9.6	0.83	0.91	0.90	85	3.7	3.8	0.89	0.80	0.63	0.57	
	C	174	227	9.4	0.82	0.91	0.89	85	3.7	3.8	0.89	0.80	0.50	0.57	
	D	170	234	9.6	0.72	0.81	0.79	85	3.7	3.8	0.77	0.79	0.46	0.38	
	E	145	226	9.7	0.78	0.85	0.83	85	3.7	3.9	0.82	0.86	0.52	0.42	
	F	138	231	9.4	0.86	0.87	0.86	85	3.7	3.8	0.85	0.77	0.64	0.42	
	G	13	232	--	--	--	--	85	--	--	--	--	--	--	--
	H	12	237	--	--	--	--	85	--	--	--	--	--	--	--
055 Adult Basic Education	A	9	--	--	--	--	--	85	--	--	--	--	--	--	--
056 Sheltered English Immersion	A	143	241	9.0	0.87	0.90	0.88	52	3.1	2.8	0.84	0.86	0.75	0.57	
	B	141	238	8.5	0.87	0.92	0.89	52	3.1	2.8	0.89	0.88	0.76	0.53	
	C	79	244	8.9	0.89	0.87	0.83	52	3.2	2.8	0.73	0.89	0.76	0.47	
	D	72	242	8.9	0.76	0.86	0.84	52	3.1	2.9	0.78	0.87	0.76	0.42	
	E	47	248	--	--	--	--	52	--	--	--	--	--	--	--
	F	44	241	--	--	--	--	52	--	--	--	--	--	--	--

(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		
056 Sheltered English Immersion	G	40	246	--	--	--	--	52	--	--	--	--	--	--	
	H	38	243	--	--	--	--	52	--	--	--	--	--	--	
	J	30	241	--	--	--	--	52	--	--	--	--	--	--	
	K	27	249	--	--	--	--	52	--	--	--	--	--	--	
061 English	A	212	247	8.7	0.88	0.89	0.86	85	4.0	3.7	0.84	0.87	0.56	0.63	
063 Mathematics	A	116	254	7.6	0.92	0.97	0.94	85	4.4	3.7	0.95	1.00	0.73	0.69	
065 Middle School Mathematics	A	79	237	7.3	0.96	0.96	0.90	85	4.1	3.8	0.94	0.99	0.52	0.51	
079 Bilingual Education	A	38	266	--	--	--	--	85	--	--	--	--	--	--	
090 Foundations of Reading	A	508	238	10.6	0.83	0.87	0.84	85	3.8	3.6	0.85	0.92	0.23	0.29	
	B	496	231	10.7	0.82	0.88	0.86	85	3.8	3.7	0.86	0.92	0.36	0.40	
	C	343	234	11.4	0.85	0.88	0.87	85	3.6	3.5	0.86	0.88	0.38	0.37	
	D	314	237	10.7	0.84	0.88	0.86	85	3.7	3.5	0.86	0.88	0.34	0.43	
	E	123	229	10.9	0.82	0.83	0.80	85	3.6	3.7	0.81	0.90	0.17	0.20	
	F	104	239	10.6	0.80	0.85	0.82	85	3.7	3.5	0.82	0.88	0.23	0.39	
	G	103	232	10.7	0.82	0.85	0.82	85	3.6	3.6	0.82	0.90	0.30	0.34	

(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							G Coefficient		
						Fixed	Random	Length	Keats' SEM	Computed SEM	KR20	I Fixed	I Random		
090 Foundations of Reading	H	94	238	10.8	0.84	0.86	0.84	85	3.6	3.5	0.84	0.92	0.36	0.40	
	J	65	236	10.3	0.79	0.85	0.82	85	3.7	3.7	0.82	0.93	0.55	0.24	
	K	55	238	--	--	--	--	85	--	--	--	--	--	--	
190 Foundations of Reading	A	2,046	247	8.4	0.86	0.90	0.88	85	4.1	3.8	0.89	0.91	0.35	0.40	
91 Vocational Technical Literacy Skills Test - Reading	A	58	271	--	--	--	--	51	--	--	--	--	--	--	
	B	55	267	--	--	--	--	51	--	--	--	--	--	--	
	C	38	271	--	--	--	--	51	--	--	--	--	--	--	
	D	34	269	--	--	--	--	51	--	--	--	--	--	--	
91 Vocational Technical Literacy Skills Test - Writing	A	81	246	14.7	0.90	0.90	0.72	34	2.6	2.0	0.77	0.90	0.36	0.55	
	B	77	244	14.0	0.86	0.86	0.59	34	2.6	2.0	0.75	0.86	0.18	0.35	
	C	52	240	--	--	--	--	34	--	--	--	--	--	--	
	D	48	245	--	--	--	--	34	--	--	--	--	--	--	

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