

Table 5

Item Discrimination and Difficulty Estimates on the Primary Trait: Grade 6

Item			Unidimensional				Bifactor				EDNF			
Number	Domain	Standard	α_i	SE_α	b_i	SE_b	α_i	SE_α	b_i	SE_b	α_i	SE_α	b_i	SE_b
1	EE	6	1.42	0.07	-0.97	0.04	1.49	0.07	-0.98	0.05	1.45	0.07	-0.95	0.04
2	EE	7	1.28	0.06	-0.85	0.05	1.35	0.07	-0.86	0.05	1.33	0.07	-0.83	0.04
3	EE	5	1.02	0.06	-0.38	0.04	1.02	0.06	-0.39	0.05	1.02	0.06	-0.43	0.05
4	EE	5	1.14	0.06	-0.04	0.04	1.15	0.06	-0.02	0.04	1.15	0.06	-0.04	0.04
5	G	2	1.46	0.09	-1.56	0.07	1.58	0.09	-1.53	0.07	1.52	0.09	-1.51	0.07
6	G	1	0.68	0.04	-0.02	0.05	0.71	0.05	-0.01	0.06	0.69	0.04	-0.01	0.05
7	G	4	0.48	0.04	1.93	0.17	0.48	0.04	2.09	0.20	0.48	0.04	1.94	0.17
8	G	4	0.47	0.04	1.37	0.13	0.47	0.04	1.47	0.15	0.48	0.04	1.35	0.13
9	NS	1	1.16	0.06	-1.00	0.05	1.18	0.06	-0.98	0.05	1.22	0.06	-1.02	0.06
10	NS	2	1.33	0.07	-1.21	0.06	1.35	0.07	-1.20	0.06	1.38	0.07	-1.18	0.05
11	NS	5	1.27	0.07	-0.43	0.04	1.29	0.07	-0.42	0.04	1.27	0.07	-0.45	0.04
12	NS	4	0.99	0.06	-0.71	0.05	0.98	0.06	-0.71	0.05	1.05	0.06	-0.77	0.06
13	NS	6	0.76	0.04	0.79	0.06	0.75	0.05	0.82	0.07	0.74	0.05	0.87	0.07
14	RP	1	0.78	0.06	-2.20	0.15	0.79	0.06	-2.21	0.16	0.80	0.06	-2.15	0.14
15	RP	2	1.56	0.08	-1.19	0.05	1.63	0.09	-1.17	0.05	1.65	0.09	-1.15	0.05

Note. Table displays parameter estimates for only the first 15 items. The EDNF model parameter estimates are from the model with two estimated nuisance factors. Parameters displayed in bold font represent items with moderate differences in estimates between models.

EDNF = model with empirically derived nuisance factors.