

Appendix H

ITEM RESPONSE THEORY PARAMETERS

Table H-1. 2010 MCAS: IRT Parameters for Dichotomous Items – English Language Arts Grade 3

<i>Item Number</i>	<i>Parameters and Measures of Standard Error</i>					
	<i>a</i>	<i>SE (a)</i>	<i>b</i>	<i>SE (b)</i>	<i>c</i>	<i>SE (c)</i>
279400	0.39253	0.00536	-1.98274	0.02657	0	0
231821	0.64531	0	-0.28786	0	0.30735	0
231823	0.99025	0	-0.99732	0	0.19278	0
231828	0.78239	0	0.87359	0	0.33908	0
270089	0.87638	0.01448	-1.76936	0.03416	0.28105	0.01389
270091	0.83851	0.01233	-0.95879	0.02349	0.20485	0.00978
270092	0.79913	0.01315	-1.99113	0.03854	0.20517	0.0156
270147	0.66588	0.01084	-0.78205	0.02869	0.15729	0.01048
270149	1.30243	0.01843	-1.08273	0.01624	0.27156	0.00852
270166	0.86719	0.01443	-1.28577	0.03068	0.32442	0.01186
270168	1.07473	0.0146	-1.22617	0.01896	0.20485	0.00927
270176	0.93041	0.0139	-0.36914	0.01725	0.21975	0.00736
270156	0.62532	0.00749	-2.68291	0.02577	0	0
270185	0.63569	0.01225	-1.07862	0.04264	0.2768	0.01369
270191	0.82346	0.01209	-1.41313	0.02746	0.18555	0.01151
270198	0.87737	0.01323	-0.66695	0.02101	0.23076	0.00872
270201	1.15207	0.02146	-0.60534	0.02211	0.49646	0.00781
272193	0.67041	0	-1.51989	0	0.13232	0
276819	1.21115	0.01925	0.5874	0.00834	0.15832	0.00367
220171	0.65706	0	-1.76027	0	0.23002	0
220175	0.87883	0	-0.88946	0	0.28808	0
220181	0.69864	0	-0.8912	0	0.26891	0
220185	0.91015	0	-1.23495	0	0.15767	0
220194	0.87681	0	-0.93241	0	0.11618	0
220196	0.55024	0	-1.21849	0	0.13057	0
220197	1.0568	0	-0.49889	0	0.14497	0
220199	0.69726	0	-1.46574	0	0.13689	0
220200	0.95829	0.06077	-0.46134	0.07909	0.2889	0.03312
220220	0.71944	0	-1.19578	0	0.14804	0
231813	0.87018	0	-1.13821	0	0.41926	0
231816	0.94508	0	-1.60356	0	0.26312	0
234878	0.96329	0	-0.62887	0	0.08885	0
234879	1.132	0	-1.07536	0	0.10195	0

Item Number	Parameters and Measures of Standard Error					
	a	SE (a)	b	SE (b)	c	SE (c)
234880	0.60563	0	-2.26299	0	0.20838	0
234882	0.89635	0	-1.86176	0	0.14635	0
276825	0.90075	0.01324	-0.82708	0.02133	0.2299	0.00909
276829	1.13955	0.01678	-0.51811	0.01584	0.29514	0.00725
276831	1.29357	0.01846	-0.86555	0.01555	0.29673	0.00789
276837	1.13384	0.0153	-0.36164	0.01303	0.21025	0.00629
276868	0.82939	0.01348	-1.32829	0.03107	0.28421	0.01215
276876	0.92955	0.0152	-0.52776	0.02126	0.30912	0.00841
276879	0.91403	0.01422	-0.64404	0.0212	0.27178	0.0087
276884	0.96357	0.01715	-1.59817	0.03348	0.39526	0.01286
269970	0.77903	0	-1.21378	0	0.32227	0
269971	1.11747	0.01653	-0.5982	0.01677	0.29835	0.00761
269977	0.76254	0	-1.24608	0	0.24757	0
269978	0.99447	0.01458	-0.70345	0.01888	0.25884	0.00832
269991	1.26524	0	-0.63529	0	0.27364	0
269997	1.22311	0	-0.77101	0	0.21975	0
270003	1.08112	0	-0.00531	0	0.26986	0
270025	0.89014	0	-0.67212	0	0.28934	0
270033	0.9319	0	-0.88999	0	0.27189	0
270049	1.14251	0.02051	-2.04238	0.03085	0.33395	0.01374
270053	1.14328	0.01511	-0.91169	0.01574	0.20959	0.00793
270057	0.9801	0.01488	-1.65234	0.02674	0.24406	0.01201

Table H-2. 2010 MCAS: IRT Parameters for Polytomous Items – English Language Arts Grade 3

Item Number	Parameters and Measures of Standard Error															
	a	SE (a)	b	SE (b)	c	SE (c)	D0	SE (D0)	D1	SE (D1)	D2	SE (D2)	D3	SE (D3)	D4	SE (D4)
282176A	0.56963	0.00303	-1.45567	0.00809	0	0	1.81787	0.01689	-1.81787	0.00856	0	0				
282177B	0.55276	0.00263	-0.53074	0.00799	0	0	1.48344	0.01162	-1.48344	0.00925	0	0				
282191	0.30956	0.00166	-2.73887	0.01469	0	0	3.63701	0.03684	-3.63701	0.01523	0	0				
282210	0.69522	0.00335	-0.71962	0.00679	0	0	1.63131	0.01192	-1.63131	0.00769	0	0				
220255	0.60767	0	-0.00656	0	0	0	3.91208	0	1.23355	0	-1.40321	0	-3.74242	0	0	0
270039	0.82022	0	1.31442	0	0	0	3.46937	0	1.04059	0	-1.05538	0	-3.45458	0	0	0
231830	0.60109	0.00881	1.18573	0.02724	0	0	3.30001	0.04434	1.00107	0.03126	-1.1547	0.04816	-3.14638	0.11298	0	0

Table H-3. 2010 MCAS: IRT Parameters for Dichotomous Items – English Language Arts Grade 4

Item Number	Parameters and Measures of Standard Error					
	a	SE (a)	b	SE (b)	c	SE (c)
232874	0.80267	0	-0.11115	0	0.24165	0
232875	1.18722	0	-0.38403	0	0.23367	0
232876	1.08401	0	-0.96911	0	0.23899	0
232883	1.16843	0	-1.02959	0	0.19501	0
232887	0.79942	0	-1.01121	0	0.14698	0
241003	1.07997	0	0.90818	0	0.35195	0
256149	0.65019	0	-0.77458	0	0.10225	0
256150	0.84606	0	-1.1467	0	0.18175	0
256164	0.73374	0	-0.45612	0	0.20733	0
256173	0.60597	0	-1.02946	0	0.13832	0
256184	0.86695	0	-0.29528	0	0.15343	0
256192	0.4031	0	-2.38706	0	0.1554	0
256199	0.83715	0	-1.18351	0	0.24238	0
256039	0.94354	0.01321	-0.56759	0.01892	0.15192	0.00899
256040	0.83743	0.01544	-1.38039	0.04414	0.28635	0.01957
256042	0.82368	0.01426	-0.21349	0.02384	0.25016	0.0092
256044	0.53138	0.01236	-1.42501	0.08625	0.17184	0.03077
256045	1.1975	0.01664	-0.98827	0.01793	0.18927	0.01009
256050	1.06683	0.01496	-0.31483	0.01519	0.2	0.00721
256052	0.64236	0.01179	-0.97568	0.0453	0.14254	0.01808
256056	0.63767	0.00641	-1.09512	0.0122	0	0
256066	0.67999	0.01443	-1.95305	0.08006	0.24137	0.03536
256068	0.99098	0.01339	-0.14037	0.0139	0.13943	0.00643
256081	0.81678	0	-1.16482	0	0.11878	0
256084	1.0897	0	-1.19896	0	0.17033	0
228290	0.64631	0	-0.55585	0	0.10575	0
260416	0.34587	0.00552	-2.3029	0.03719	0	0
260421	0.56491	0.01141	-0.50248	0.04482	0.12145	0.01575
260423	0.71641	0.01141	-0.89071	0.03284	0.10502	0.01434
260425	0.58145	0.01083	-1.11754	0.05254	0.07729	0.021
260429	0.74674	0.01217	-1.87746	0.049	0.06541	0.02669
256807	0.87809	0	-0.93422	0	0.14451	0
255565	0.64169	0.01153	-1.13914	0.04737	0.11893	0.01973

Item Number	Parameters and Measures of Standard Error					
	a	SE (a)	b	SE (b)	c	SE (c)
255567	0.64924	0.01224	-0.28119	0.03304	0.16761	0.01199
255583	1.04248	0.01455	-0.40978	0.0161	0.18909	0.00771
255585	0.26971	0.00491	-1.88749	0.03803	0	0
255586	1.15039	0.01704	-1.48061	0.02425	0.15606	0.01491
255592	0.74973	0.01215	0.22043	0.01789	0.11699	0.00706
255596	0.46845	0.00609	-1.96013	0.02479	0	0
255608	0.99725	0.01711	-1.73745	0.03854	0.22207	0.02196
255612	0.75836	0.0131	-0.53603	0.02992	0.2098	0.01186
255619	1.0012	0.01496	-1.16413	0.02553	0.1876	0.01345
228215	0.69887	0	-1.25301	0	0.14342	0
228225	0.6302	0	-2.14978	0	0.16337	0
227641	1.04551	0	-1.31594	0	0.23955	0
227651	0.65131	0	-1.92922	0	0.14406	0
227653	1.24527	0	-1.16384	0	0.27759	0
227654	1.22713	0	-1.49811	0	0.16765	0
227656	0.84139	0	-0.85878	0	0.22156	0
227657	1.38435	0	-1.46602	0	0.22794	0
227630	1.08972	0	-1.09429	0	0.26197	0
227631	0.98354	0	-1.15385	0	0.15505	0
227635	0.94769	0	-1.34058	0	0.13184	0
244112	0.57655	0	-0.61734	0	0.1049	0
277063	0.94803	0.01632	-0.61659	0.02583	0.33014	0.01048
277072	0.97715	0.016	-1.32169	0.03169	0.24308	0.01612
277077	0.71063	0.01503	-1.73091	0.07039	0.29089	0.02921
277081	0.75293	0.01259	-0.84669	0.0334	0.17517	0.01417
277083	0.82317	0.0143	-1.58428	0.04485	0.19832	0.02236
277086	0.74747	0.01246	-1.24296	0.03985	0.14675	0.01832
268943	0.71014	0.0131	-0.29997	0.03043	0.21401	0.01121
268948	0.95273	0.01398	-1.39953	0.02842	0.12617	0.01582
268949	0.64553	0.00708	-1.7036	0.01686	0	0
268951	0.79054	0.01167	-0.53529	0.02299	0.10998	0.01011
268952	0.48725	0.00608	-1.80749	0.02219	0	0

Table H-4. 2010 MCAS: IRT Parameters for Polytomous Items – English Language Arts Grade 4

Item Number	Parameters and Measures of Standard Error															
	a	SE (a)	b	SE (b)	c	SE (c)	D0	SE (D0)	D1	SE (D1)	D2	SE (D2)	D3	SE (D3)	D4	SE (D4)
268954	0.96271	0.00365	0.32346	0.00445	0	0	2.18868	0.00912	0.84988	0.00592	-0.81492	0.00623	-2.22365	0.01136	0	0
277105	0.69864	0.00264	-0.50942	0.00621	0	0	3.32251	0.0236	1.28774	0.01001	-1.18492	0.00733	-3.42532	0.01397	0	0
227660	0.96208	0	-0.14423	0	0	0	2.46477	0	0.86984	0	-1.0156	0	-2.31901	0	0	0
255620	0.93038	0.0036	0.6247	0.00469	0	0	2.7806	0.01053	0.86727	0.00584	-0.87818	0.0071	-2.76968	0.01924	0	0
256089	0.87353	0.0033	0.01694	0.00479	0	0	2.35889	0.0116	0.60142	0.00639	-0.86138	0.00628	-2.09892	0.0093	0	0
256212	0.9495	0	0.33597	0	0	0	2.99132	0	0.75315	0	-0.96118	0	-2.78329	0	0	0
232889	0.85463	0	0.66279	0	0	0	2.96723	0	0.7482	0	-1.02213	0	-2.69329	0	0	0

Item Number	Parameters and Measures of Standard Error															
	a	SE (a)	b	SE (b)	c	SE (c)	D0	SE (D0)	D1	SE (D1)	D2	SE (D2)	D3	SE (D3)	D4	SE (D4)
281622C	0.92475	0.00397	-1.93386	0.00478	0	0	2.61302	0.04418	1.97378	0.02862	0.18255	0.01025	-0.3822	0.00808	-1.87554	0.00573
281622T	0.87342	0.00299	-0.00182	0.00466	0	0	4.26811	0.03489	3.77927	0.02555	2.26359	0.0111	1.79433	0.00908	0.20026	0.00603

Item Number	Parameters and Measures of Standard Error													
	D5	SE (D5)	D6	SE (D6)	D7	SE (D7)	D8	SE (D8)	D9	SE (D9)	D10	SE (D10)		
281622C (continued)	-2.51162	0.00582	0	0										
281622T (continued)	-0.32366	0.00592	-1.58251	0.00748	-2.31457	0.01013	-3.53554	0.02041	-4.54926	0.04069	0	0		

Table H-5. 2010 MCAS: IRT Parameters for Dichotomous Items – English Language Arts Grade 5

Item Number	Parameters and Measures of Standard Error					
	a	SE (a)	b	SE (b)	c	SE (c)
270178	0.81642	0.01248	-1.98372	0.03872	0.10192	0.01974
270153	1.2012	0.01652	-0.80621	0.01572	0.24271	0.00778
270131	0.664	0.01323	-1.94469	0.06701	0.2527	0.02621
270139	1.07514	0.01704	-0.92824	0.02217	0.33647	0.00953
270145	0.55542	0.01156	-0.36365	0.04075	0.17548	0.01282
270193	0.38371	0.00512	-1.80146	0.02468	0	0
270157	0.90612	0.01613	-1.27208	0.0344	0.36281	0.01336
270163	0.80942	0.01295	-0.21327	0.02024	0.20252	0.00779
250901	0.83548	0	-1.23987	0	0.22694	0
224840	0.90564	0	-0.90739	0	0.23593	0
224843	1.10029	0	-0.5955	0	0.18355	0
224846	0.53199	0	-1.22183	0	0.15862	0

Item Number	Parameters and Measures of Standard Error					
	a	SE (a)	b	SE (b)	c	SE (c)
224854	0.95385	0	-0.61257	0	0.1834	0
224858	0.71757	0	-1.13686	0	0.19774	0
205133	0.85667	0	-0.10153	0	0.29917	0
205134	0.68939	0	-0.00328	0	0.17344	0
205136	0.89896	0	-0.66827	0	0.31861	0
205139	1.18964	0	-0.93306	0	0.41232	0
205143	0.68101	0	-1.03699	0	0.19095	0
205145	0.95107	0	-1.7169	0	0.26284	0
205146	0.95571	0	0.47523	0	0.37981	0
205147	0.58534	0	-0.94755	0	0.13443	0
205148	0.46087	0	-0.74773	0	0.13936	0
208719	0.86633	0	0.15132	0	0.22818	0
208721	0.74007	0	-0.58718	0	0.16036	0
208722	1.17216	0	-1.33717	0	0.17049	0
208724	1.03402	0.06227	-1.38253	0.10265	0.24451	0.04974
208726	1.18646	0	-0.4392	0	0.25626	0
208735	0.83062	0	-0.77856	0	0.12243	0
208738	0.65332	0	-0.98211	0	0.09836	0
208741	0.70364	0	-1.29193	0	0.16072	0
208743	0.79671	0	-1.25557	0	0.18962	0
208744	0.84377	0	-1.02239	0	0.30831	0
276334	0.8611	0.01385	-0.12438	0.0186	0.22807	0.00719
276341	0.88135	0.01275	-0.97172	0.02358	0.18326	0.01041
276319	0.62625	0.01206	-2.01274	0.06857	0.17189	0.02818
276325	0.93951	0.01564	-0.72958	0.02464	0.33647	0.00952
287624	0.44943	0.00593	-2.46464	0.02954	0	0
287625	0.46898	0.00636	-2.73954	0.03259	0	0
287626	0.76856	0.01241	-0.80951	0.02862	0.21078	0.01118
287627	0.81369	0.01347	0.24482	0.01612	0.17846	0.00613
287628	0.52685	0.01192	-1.33427	0.07358	0.22276	0.02301
280141	1.18153	0.01797	-0.6415	0.01725	0.33277	0.00763
280143	0.63638	0.01124	-0.82609	0.03722	0.16518	0.01341
280144	0.54046	0.00621	-2.03016	0.02086	0	0
280145	1.08266	0.01418	-0.13863	0.01186	0.16127	0.0054

Item Number	Parameters and Measures of Standard Error					
	a	SE (a)	b	SE (b)	c	SE (c)
280149	0.87103	0.01269	-0.27423	0.01737	0.17114	0.00717
280150	1.06579	0.01541	-0.87886	0.01934	0.25435	0.00894
270993	0.65489	0.00654	-1.50993	0.0139	0	0
276049	1.0076	0.01453	-1.19492	0.02268	0.2114	0.01087
276051	0.88183	0.01375	-1.19216	0.02861	0.23714	0.01242
276119	0.66856	0.01072	-0.45353	0.02605	0.11547	0.00974
276120	1.07942	0.01614	-1.70589	0.026	0.18029	0.01407
276124	0.83581	0.01434	-2.30425	0.0496	0.15727	0.02624
276125	0.82449	0.00931	-2.35073	0.01829	0	0
276127	0.61168	0.01132	-1.71844	0.05907	0.14628	0.02339
276128	0.67459	0.01161	-0.40463	0.02807	0.16883	0.01011
266157	0.78792	0	-0.86163	0	0.16058	0
266158	1.03766	0	-1.01917	0	0.21506	0
266159	0.76733	0	-1.21174	0	0.20151	0
266166	0.55473	0	-0.22489	0	0.20964	0
266171	0.98122	0	-0.26668	0	0.17131	0
270987	0.79699	0.01202	-0.45691	0.02134	0.16583	0.00855
270988	0.9957	0.01418	-0.24253	0.01506	0.20526	0.0065
270991	0.86411	0.01479	-1.16139	0.03271	0.31514	0.01288
270992	0.86097	0.01544	-0.80278	0.03012	0.362	0.01072

Table H-6. 2010 MCAS: IRT Parameters for Polytomous Items – English Language Arts Grade 5

Item Number	Parameters and Measures of Standard Error															
	a	SE (a)	b	SE (b)	c	SE (c)	D0	SE (D0)	D1	SE (D1)	D2	SE (D2)	D3	SE (D3)	D4	SE (D4)
276129	0.90562	0.00343	-0.09881	0.00473	0	0	2.5148	0.0124	0.82061	0.00667	-0.95182	0.00619	-2.38359	0.01037	0	0
270998	0.72489	0.00279	0.00855	0.00633	0	0	3.99441	0.02358	1.32794	0.00847	-1.57509	0.00862	-3.74726	0.02203	0	0
276348	0.64141	0.0024	-0.83933	0.00655	0	0	3.44109	0.02583	1.01405	0.01034	-1.17697	0.00772	-3.27817	0.01203	0	0
208765	0.87102	0	-0.78272	0	0	0	2.07166	0	0.78149	0	-0.68388	0	-2.16926	0	0	0
205153	0.78245	0	0.00736	0	0	0	2.86886	0	1.02794	0	-1.09994	0	-2.79686	0	0	0
224867	0.70676	0	0.12119	0	0	0	3.16364	0	0.95152	0	-1.09699	0	-3.01818	0	0	0
270206	0.63819	0.00238	-0.53109	0.00672	0	0	3.71409	0.02538	1.17381	0.00998	-1.40311	0.00812	-3.48478	0.01469	0	0

Table H-7. 2010 MCAS: IRT Parameters for Dichotomous Items – English Language Arts Grade 6

<i>Item Number</i>	<i>Parameters and Measures of Standard Error</i>					
	<i>a</i>	<i>SE (a)</i>	<i>b</i>	<i>SE (b)</i>	<i>c</i>	<i>SE (c)</i>
203337	0.5693	0	-0.71551	0	0.1986	0
203340	0.84515	0	-1.40844	0	0.17769	0
203343	0.70381	0.04009	-0.27646	0.08242	0.10508	0.03112
203344	0.59208	0	0.02017	0	0.37662	0
203348	0.4935	0	-1.14136	0	0.13548	0
213331	0.57821	0	-1.06266	0	0.37696	0
250746	0.84667	0	0.18282	0	0.13975	0
250747	1.13539	0	-0.30328	0	0.21751	0
280348	0.81263	0.01362	0.21425	0.01828	0.22867	0.00672
280351	0.55073	0.01384	0.28456	0.03947	0.29228	0.01058
280359	0.95728	0.01652	-0.90355	0.02822	0.39399	0.0104
280360	0.83091	0.01529	0.10743	0.02176	0.32744	0.00733
257352	0.75603	0	-0.59164	0	0.17757	0
257357	0.72489	0	-0.24406	0	0.25289	0
257359	1.17744	0	-0.4286	0	0.24281	0
257363	0.53278	0	-0.72115	0	0.14247	0
257375	0.98285	0	-1.54226	0	0.22062	0
257288	1.02383	0.01612	-0.93427	0.02379	0.33091	0.00992
257294	0.97504	0.01606	-1.61866	0.03275	0.27202	0.01481
257298	0.67728	0.01145	-0.79495	0.03447	0.2022	0.01237
257301	0.72789	0.00918	-2.84552	0.02629	0	0
257304	1.12869	0.01642	-0.73848	0.01829	0.29481	0.00828
257308	0.58473	0.01165	-0.5375	0.04253	0.22811	0.01322
257309	0.72703	0.01288	-1.75233	0.05003	0.22132	0.02034
257311	0.57333	0.01231	-0.49201	0.04667	0.273	0.01356
287621	0.88029	0.01311	-0.06255	0.01711	0.20701	0.00684
287622	1.15181	0.01708	-1.1203	0.02067	0.27868	0.00983
287623	0.83067	0.01292	-0.85811	0.02715	0.24478	0.01076
271523	0.80811	0.01429	-1.09517	0.03616	0.33806	0.01299
271525	0.94095	0.01269	-0.44287	0.01696	0.17893	0.00738
271529	1.35082	0.01641	-0.39311	0.01063	0.18083	0.00558
271530	0.86499	0.01338	0.34879	0.01444	0.17875	0.00565
271537	0.82364	0.0133	0.00805	0.01934	0.23227	0.00724

Item Number	Parameters and Measures of Standard Error					
	a	SE (a)	b	SE (b)	c	SE (c)
245080	1.05666	0	0.69363	0	0.40796	0
245081	0.65187	0	0.47048	0	0.18217	0
245083	1.32728	0	0.05286	0	0.15027	0
257665	0.60831	0.01548	-1.89555	0.09666	0.44177	0.02655
257668	0.49567	0.0055	-1.4744	0.018	0	0
257669	0.64414	0.01364	-1.14783	0.05571	0.36324	0.01658
257676	0.74715	0.01269	-0.26434	0.02553	0.24694	0.00904
257680	0.81088	0.01358	-1.65842	0.04068	0.22941	0.01733
257686	0.71207	0.01506	-0.37771	0.03725	0.4073	0.0105
207439	0.83486	0	-1.02014	0	0.09298	0
207442	0.66959	0	-1.80391	0	0.33125	0
207446	0.82573	0	-1.03475	0	0.23379	0
207448	1.34847	0	-0.90357	0	0.15239	0
207449	0.60677	0	0.06378	0	0.29761	0
207450	1.17473	0	-1.57384	0	0.12822	0
207455	0.78524	0	0.79958	0	0.13211	0
207464	1.1871	0	-1.40969	0	0.15024	0
207473	0.80907	0	-1.20441	0	0.15726	0
207479	1.30369	0	-0.75305	0	0.11716	0
207484	0.75032	0	-1.46687	0	0.11443	0
207497	0.65912	0	-0.9551	0	0.20391	0
207499	0.64414	0.05377	0.21107	0.11599	0.27761	0.03516
207502	1.1374	0	-0.75854	0	0.24992	0
277119	0.62626	0.01171	-0.88853	0.0435	0.23438	0.01446
277121	0.94756	0.01456	-0.32436	0.01934	0.28413	0.00769
277124	0.57901	0.0068	-2.40113	0.02462	0	0
277127	0.59104	0.00638	-1.89604	0.01914	0	0
277133	0.5521	0.01165	-0.31035	0.04283	0.21718	0.01277
277138	0.57313	0.0121	-0.60902	0.04812	0.26373	0.01424
277142	0.63634	0.00699	-2.14158	0.02038	0	0
277144	0.6446	0.00706	-2.14353	0.02022	0	0
277147	0.28259	0.01222	-0.84897	0.20732	0.08725	0.04273
277155	0.59734	0.0141	0.65935	0.02729	0.24551	0.00815

Table H-8. 2010 MCAS: IRT Parameters for Polytomous Items – English Language Arts Grade 6

Item Number	Parameters and Measures of Standard Error															
	a	SE (a)	b	SE (b)	c	SE (c)	D0	SE (D0)	D1	SE (D1)	D2	SE (D2)	D3	SE (D3)	D4	SE (D4)
277172	0.80254	0.00302	0.0133	0.0054	0	0	3.22129	0.01724	0.99457	0.00754	-1.21883	0.00702	-2.99703	0.01405	0	0
207508	1.07245	0	0.08203	0	0	0	2.20091	0	0.86095	0	-0.91312	0	-2.14874	0	0	0
257689	0.76929	0.00294	-0.64945	0.00556	0	0	2.89791	0.02002	1.1698	0.00987	-1.26089	0.00664	-2.80682	0.00955	0	0
245085	1.06208	0	-0.10823	0	0	0	1.65683	0	0.99395	0	-0.68451	0	-1.96626	0	0	0
271539	0.9232	0.00352	-0.06027	0.00471	0	0	2.74192	0.01427	0.99173	0.00709	-0.99811	0.006	-2.73553	0.01172	0	0
257314	0.72821	0.00273	-0.58084	0.00581	0	0	3.26862	0.02286	0.99969	0.00936	-1.25693	0.00696	-3.01138	0.01084	0	0
203352	0.73918	0.01134	-1.31049	0.022	0	0	2.98499	0.10996	0.80793	0.04292	-1.03548	0.02712	-2.75744	0.03037	0	0

Table H-9. 2010 MCAS: IRT Parameters for Dichotomous Items – English Language Arts Grade 7

Item Number	Parameters and Measures of Standard Error					
	a	SE (a)	b	SE (b)	c	SE (c)
225545	0.62301	0	-1.12833	0	0.2138	0
225547	0.68921	0	-0.8902	0	0.22138	0
279203	0.7147	0.01219	-0.03549	0.02346	0.13834	0.00918
279206	0.96206	0.02068	-1.83095	0.05767	0.38899	0.02722
279211	0.45062	0.00546	-1.01777	0.01596	0	0
279213	0.99184	0.01893	-0.82965	0.03136	0.42415	0.012
279215	0.92211	0.01444	-0.47582	0.02183	0.22785	0.00965
279217	0.71703	0.01438	-0.91396	0.04623	0.2858	0.01721
279219	0.71126	0.01273	0.25573	0.02119	0.1494	0.00802
233976	0.82249	0	-1.30614	0	0.16634	0
233987	0.7695	0	-0.38154	0	0.31926	0
233993	0.75025	0	-0.8431	0	0.20752	0
233999	1.24574	0	-0.08936	0	0.14128	0
234003	0.52201	0	-1.13462	0	0.16068	0
224998	0.94347	0	-0.86039	0	0.26277	0
224999	0.74728	0	0.04747	0	0.20475	0
225000	1.30771	0	-0.47471	0	0.19457	0
225002	1.07173	0	0.04103	0	0.15817	0
225004	0.70002	0	-0.76349	0	0.12269	0
225008	0.44093	0	-0.35297	0	0.30768	0
276608	0.79773	0.0129	-0.10241	0.02093	0.16709	0.00858
276614	0.67329	0.01331	-0.6742	0.04243	0.23115	0.01557

Item Number	Parameters and Measures of Standard Error					
	a	SE (a)	b	SE (b)	c	SE (c)
276615	0.96932	0.01453	-0.70284	0.0219	0.20607	0.01048
276619	0.61096	0.01319	0.24252	0.03101	0.18499	0.01038
276626	0.97624	0.01394	-0.14877	0.01542	0.17221	0.00707
280271	0.59961	0.01385	-0.5221	0.05257	0.27057	0.01664
280272	1.0076	0.01461	-1.56454	0.02837	0.0862	0.01741
280275	0.89183	0.01252	-0.92722	0.02346	0.09978	0.01186
280277	1.15946	0.01638	-1.18409	0.0206	0.15356	0.01214
280279	0.75028	0.00848	-1.94417	0.01779	0	0
280280	0.84787	0.01252	-1.1273	0.02886	0.0995	0.01469
280281	0.60823	0.01253	0.05016	0.03269	0.16166	0.01128
280287	0.85613	0.01452	-1.64265	0.04364	0.15737	0.02376
225044	1.11974	0	-1.61781	0	0.26087	0
225050	0.38281	0	-1.35465	0	0	0
225051	0.77141	0	-0.50102	0	0.12944	0
271294	1.00287	0.01438	-0.34294	0.0168	0.19139	0.00791
271296	0.94595	0.01529	-0.33966	0.02089	0.26635	0.00888
271298	0.61773	0.00857	-2.60829	0.03008	0	0
271300	0.88741	0.01294	-0.98648	0.02567	0.12221	0.01292
271302	0.85139	0.01303	-0.82679	0.0266	0.15489	0.01248
271304	0.87279	0.01499	-1.05318	0.03402	0.25351	0.01537
271307	1.14548	0.01875	-1.27046	0.02669	0.2719	0.0145
271309	0.65796	0.01297	-0.03099	0.03053	0.19139	0.01081
271310	0.62238	0.00678	-1.52427	0.01602	0	0
225550	0.47573	0	-1.66767	0	0.13016	0
225593	0.31579	0	-1.568	0	0	0
225596	0.69498	0	-0.87017	0	0.13627	0
223850	0.55753	0	-0.67963	0	0.12591	0
223854	0.75779	0	-0.88112	0	0.2238	0
223890	0.57501	0	-0.08221	0	0.14269	0
223894	1.07172	0	-1.16903	0	0.2569	0
223900	0.78305	0	-0.39052	0	0.15101	0
223914	0.69724	0	-0.66565	0	0.15513	0
223917	1.04342	0	-0.35828	0	0.18329	0
223921	0.50338	0	0.33772	0	0.16339	0

Item Number	Parameters and Measures of Standard Error					
	a	SE (a)	b	SE (b)	c	SE (c)
223927	0.77895	0	-1.05512	0	0.19683	0
223932	1.11305	0	-0.16428	0	0.23819	0
280268	0.85205	0.01301	-1.6843	0.03771	0.06291	0.02192
280270	0.54934	0.00635	-1.57634	0.0182	0	0
273055	0.9067	0	-0.91557	0	0.14291	0
266553	0.78307	0.0132	-0.6277	0.02971	0.19798	0.01242
266557	0.87889	0.0141	-1.34066	0.03476	0.16097	0.01806
266558	0.67221	0.01196	-1.41222	0.05153	0.09689	0.02388
266565	0.42615	0.00553	-1.42596	0.02074	0	0
266568	0.44235	0.00576	-1.65565	0.02265	0	0

Table H-10. 2010 MCAS: IRT Parameters for Polytomous Items – English Language Arts Grade 7

Item Number	Parameters and Measures of Standard Error															
	a	SE (a)	b	SE (b)	c	SE (c)	D0	SE (D0)	D1	SE (D1)	D2	SE (D2)	D3	SE (D3)	D4	SE (D4)
223937	0.87453	0	0.08875	0	0	0	2.74128	0	0.81748	0	-0.94291	0	-2.61586	0	0	0
271315	0.94962	0.00363	-0.46003	0.00447	0	0	2.44855	0.01578	0.69262	0.007	-0.80482	0.00555	-2.33634	0.00806	0	0
225055	1.19908	0	-0.05781	0	0	0	1.92072	0	0.67231	0	-0.69521	0	-1.89781	0	0	0
280290	1.12691	0.00444	-0.53401	0.00389	0	0	2.17739	0.01412	0.84817	0.00703	-0.7439	0.00489	-2.28165	0.0071	0	0
276637	1.06266	0.00409	0.06331	0.0041	0	0	2.46711	0.01183	0.77261	0.00578	-0.84044	0.00549	-2.39928	0.01062	0	0
234009	1.26107	0	-0.2419	0	0	0	1.89436	0	0.64244	0	-0.61102	0	-1.92579	0	0	0
279229	0.9062	0.00352	-0.69344	0.00482	0	0	2.33417	0.01677	1.1145	0.00911	-0.70932	0.00579	-2.73936	0.00886	0	0

Item Number	Parameters and Measures of Standard Error															
	a	SE (a)	b	SE (b)	c	SE (c)	D0	SE (D0)	D1	SE (D1)	D2	SE (D2)	D3	SE (D3)	D4	SE (D4)
281244C	1.03042	0.00427	-1.94499	0.00422	0	0	2.72514	0.05708	2.17331	0.03715	0.24267	0.01049	-0.43357	0.00765	-1.95577	0.00522
281244T	0.9754	0.00339	0.05772	0.00422	0	0	4.3644	0.04078	3.923	0.02963	2.39023	0.01139	1.86401	0.00884	0.31609	0.00556

Item Number	Parameters and Measures of Standard Error											
	D5	SE (D5)	D6	SE (D6)	D7	SE (D7)	D8	SE (D8)	D9	SE (D9)	D10	SE (D10)
281244C (continued)	-2.75178	0.0055	0	0								
281244T (continued)	-0.30173	0.0054	-1.75084	0.00767	-2.51686	0.01136	-3.75311	0.02639	-4.53519	0.04852	0	0

Table H-11. 2010 MCAS: IRT Parameters for Dichotomous Items – English Language Arts Grade 8

Item Number	Parameters and Measures of Standard Error					
	a	SE (a)	b	SE (b)	c	SE (c)
227779	0.64229	0	-0.17769	0	0.10792	0
227781	0.55149	0	0.20367	0	0.18911	0
276464	0.76529	0.01227	-0.66475	0.02777	0.15806	0.01164
271604	1.13079	0.01558	-0.97245	0.01869	0.19352	0.00997
271606	1.08794	0.01411	-0.15877	0.01212	0.14616	0.00586
271609	0.77965	0.01305	-0.04803	0.02067	0.17266	0.00819
271610	1.06296	0.0159	-0.50489	0.01819	0.26572	0.00832
271611	0.88757	0.01503	-0.82321	0.02901	0.29141	0.01201
271618	0.72871	0.0121	-0.68183	0.03042	0.15399	0.01243
271323	1.17262	0.01576	-0.43076	0.01389	0.20714	0.00698
271328	0.86408	0.01324	-0.36765	0.02048	0.18466	0.00877
271330	0.98225	0.01386	-0.27185	0.01574	0.17673	0.00721
271334	0.41513	0.00525	-0.93479	0.01611	0	0
271345	0.99043	0.01415	-0.256	0.01581	0.18916	0.0072
275961	0.60317	0.0066	-1.63734	0.01695	0	0
275968	0.49925	0.00637	-2.11388	0.02523	0	0
275974	0.62137	0.01198	-0.80281	0.0443	0.15617	0.01646
275976	0.8491	0.01423	-0.31316	0.02286	0.24424	0.00913
275978	1.07681	0.01541	-1.12959	0.02193	0.19596	0.01162
275980	0.76549	0.01297	-1.0529	0.03612	0.1951	0.01541
275981	0.5818	0.00642	-1.60002	0.01709	0	0
275983	1.03872	0.01682	-1.18985	0.02769	0.2923	0.01332
275995	1.04096	0.01498	-0.3659	0.01634	0.22096	0.00756
276054	0.88687	0.01713	-1.7439	0.05051	0.31808	0.02332
276055	0.81308	0.01536	-1.2645	0.04375	0.31921	0.01756
276057	0.70203	0.01214	-0.15298	0.02466	0.14131	0.0095
276060	0.54011	0.00637	-1.8314	0.02049	0	0
276080	0.91814	0.01535	-0.54395	0.02428	0.29659	0.00987
276082	0.70085	0.01559	-0.93778	0.05233	0.38015	0.01658
276085	0.77732	0.01474	-1.73374	0.05546	0.23559	0.02562
276087	0.60306	0.0072	-2.13974	0.02224	0	0
276094	0.63702	0.0159	-0.2729	0.04632	0.37062	0.01294
276103	0.92895	0.01507	-1.33054	0.03255	0.23514	0.01581

Item Number	Parameters and Measures of Standard Error					
	a	SE (a)	b	SE (b)	c	SE (c)
227758	0.55831	0	-1.18397	0	0.15006	0
227759	0.49521	0	-1.00069	0	0.15573	0
227760	0.80883	0	-1.37878	0	0.20163	0
227764	1.26928	0	-1.93288	0	0.22798	0
227769	1.3256	0	-1.37237	0	0.24867	0
227773	0.92453	0	-0.4807	0	0.20813	0
227774	0.41252	0	-2.3089	0	0	0
227777	0.70254	0	-0.66788	0	0.15163	0
207589	0.78037	0	-1.03322	0	0.23301	0
207592	0.95589	0	-0.52278	0	0.19401	0
207595	1.44389	0	-0.92447	0	0.33539	0
207598	0.66765	0	-1.55969	0	0.16859	0
207599	0.92649	0	-0.98732	0	0.21244	0
207600	0.91634	0	-0.7541	0	0.13964	0
207601	1.24554	0	-0.08446	0	0.2664	0
207609	0.88671	0.08676	0.79992	0.07145	0.39706	0.02151
207618	0.49706	0	-0.86956	0	0.13111	0
207624	0.76506	0	-1.1755	0	0.1336	0
266360	0.68803	0.01272	-0.77604	0.03859	0.20252	0.01469
266364	1.06756	0.01661	-1.49305	0.02833	0.21269	0.01563
266368	0.9732	0.01464	-0.97594	0.02437	0.22159	0.01169
266373	0.95432	0.01514	-1.02099	0.02722	0.25815	0.01256
266375	1.0088	0.01614	-1.12065	0.02728	0.27927	0.01293
207159	1.18871	0	-1.32367	0	0.15341	0
207176	1.29401	0	-1.00929	0	0.17294	0
207180	0.75472	0	0.0406	0	0.21617	0
207185	1.07167	0	0.14337	0	0.23742	0
207190	1.06412	0	-0.1757	0	0.28193	0
207096	1.1815	0	-0.5827	0	0.17263	0
207099	0.85192	0	-1.44295	0	0.13998	0
207101	0.72469	0	-1.4683	0	0.18695	0
207104	0.56393	0	-0.38565	0	0.31073	0
207118	0.90198	0	-0.37891	0	0.24145	0

Table H-12. 2010 MCAS: IRT Parameters for Polytomous Items – English Language Arts Grade 8

Item Number	Parameters and Measures of Standard Error															
	a	SE (a)	b	SE (b)	c	SE (c)	D0	SE (D0)	D1	SE (D1)	D2	SE (D2)	D3	SE (D3)	D4	SE (D4)
207193	1.07596	0	-0.59167	0	0	0	1.89162	0	0.68887	0	-0.62462	0	-1.95587	0	0	0
276107	0.97129	0.00389	-0.91978	0.00441	0	0	1.67528	0.01277	0.69332	0.00802	-0.35891	0.00581	-2.0097	0.00606	0	0
276022	0.93793	0.00358	-0.58003	0.00448	0	0	2.248	0.0145	0.83554	0.0076	-0.84229	0.00552	-2.24125	0.00748	0	0
271621	0.95539	0.00369	-0.74088	0.00442	0	0	1.97317	0.01363	0.781	0.00781	-0.58593	0.00553	-2.16824	0.00679	0	0
272837	0.92876	0.0035	-0.37223	0.0045	0	0	2.47021	0.01465	0.62554	0.00668	-0.86839	0.00561	-2.22736	0.00817	0	0
207639	1.13942	0	-0.9207	0	0	0	1.86051	0	0.6685	0	-0.73571	0	-1.7933	0	0	0
227783	1.20691	0	-0.50628	0	0	0	1.67915	0	0.71467	0	-0.56599	0	-1.82783	0	0	0

Table H-13. 2010 MCAS: IRT Parameters for Dichotomous Items – English Language Arts Grade 10

Item Number	Parameters and Measures of Standard Error					
	a	SE (a)	b	SE (b)	c	SE (c)
268739	1.12595	0	0.91424	0	0.28968	0
268740	0.8475	0	-0.19613	0	0.15944	0
268741	0.50927	0	0.64086	0	0.24701	0
268743	1.19359	0	0.26528	0	0.19779	0
268746	1.37595	0	0.08891	0	0.13284	0
268751	1.68404	0	0.58701	0	0.16745	0
268757	0.80289	0	0.40977	0	0.26478	0
279381	1.03648	0	0.06115	0	0.28755	0
279386	1.10211	0	0.58627	0	0.17974	0
279390	0.77359	0	0.19011	0	0.17334	0
279391	1.24126	0	0.00934	0	0.27084	0
279553	1.04261	0	-0.19352	0	0.20515	0
279554	1.716	0	0.23718	0	0.25845	0
254852	0.99611	0	0.5608	0	0.1812	0
254858	0.70802	0	0.45243	0	0.25708	0
254861	1.50045	0	0.63832	0	0.22284	0
254862	0.67232	0	0.8752	0	0.25858	0
254863	1.13405	0	0.33367	0	0.24129	0
254865	0.81136	0	0.11697	0	0.17664	0
254870	1.24917	0	0.85448	0	0.36821	0
254873	0.93874	0	1.05634	0	0.2863	0
255081	0.89403	0	-0.02329	0	0.15702	0

Item Number	Parameters and Measures of Standard Error					
	a	SE (a)	b	SE (b)	c	SE (c)
255082	0.80216	0	0.20003	0	0.25222	0
255083	0.77919	0	0.51287	0	0.17234	0
255088	0.50578	0	-0.12758	0	0.22638	0
255089	1.15385	0	0.08715	0	0.12588	0
255094	0.71132	0	0.21735	0	0.20544	0
255096	1.03223	0	0.59565	0	0.16589	0
255097	1.55969	0	-0.01148	0	0.22409	0
228316	0.85556	0	-0.2117	0	0.20833	0
228320	0.99145	0	0.55218	0	0.22597	0
228426	1.34489	0	1.26382	0	0.1749	0
228460	0.74015	0	0.54368	0	0.2615	0
228462	1.65477	0	1.39472	0	0.53086	0
228463	1.0183	0	-0.13744	0	0.18378	0
228464	0.95778	0	-0.16508	0	0.19181	0
228465	1.12725	0	0.16833	0	0.15844	0
228466	1.10366	0	-0.16275	0	0.26411	0
228467	1.19094	0	0.67769	0	0.21411	0
228253	1.0107	0	0.50993	0	0.22283	0
228480	0.90505	0	-0.72057	0	0.18436	0
228482	0.65544	0	-0.49712	0	0.23632	0
228483	1.24436	0	-0.29713	0	0.3327	0
228484	1.28903	0	-0.09407	0	0.33348	0
253814	1.01603	0	0.17626	0	0.14754	0
253816	1.18581	0	-0.44464	0	0.2972	0
276588	1.15894	0	0.05394	0	0.21094	0
276594	1.17948	0	0.07095	0	0.15765	0
276599	0.92742	0	0.28197	0	0.20648	0
276600	1.1312	0	0.14852	0	0.13186	0
253864	1.07518	0	0.42409	0	0.26531	0
253865	0.74081	0	-0.07245	0	0.28472	0
253867	0.57115	0	0.39	0	0.17873	0
253512	0.57718	0	0.23463	0	0.34927	0
253513	0.90863	0	-0.35149	0	0.18645	0
228251	1.14189	0	0.28665	0	0.37423	0

Item Number	Parameters and Measures of Standard Error					
	a	SE (a)	b	SE (b)	c	SE (c)
280204	1.2313	0	-0.29312	0	0.18885	0
280206	1.37159	0	-0.227	0	0.16802	0
280207	1.42922	0	0.3942	0	0.2685	0
280216	0.6544	0	-0.01861	0	0.18707	0
280221	0.89935	0	0.63957	0	0.1691	0
280224	1.7341	0	0.40687	0	0.16747	0
280228	0.81101	0	0.40822	0	0.14299	0
280233	1.39909	0	0.79552	0	0.16214	0
279558	1.29857	0	0.31153	0	0.23112	0
279560	0.94435	0	0.57167	0	0.17531	0
279561	1.41717	0	-0.22815	0	0.19663	0
279562	1.74785	0	0.12177	0	0.25077	0
279565	0.54007	0	0.5458	0	0.22906	0
279566	0.95622	0	0.81926	0	0.10936	0
253903	1.09741	0	-0.20968	0	0.18284	0
253906	0.84608	0	-0.11176	0	0.13271	0
253908	0.94312	0	-0.50574	0	0.21453	0
253913	1.39566	0	0.07059	0	0.24054	0
253924	1.012	0	-0.2937	0	0.18406	0
253926	1.06312	0	1.16213	0	0.31761	0
253934	1.23912	0	0.50981	0	0.15311	0
253936	1.22515	0	-0.01581	0	0.17099	0
254165	1.0845	0	0.3586	0	0.21233	0
254166	0.98616	0	0.01724	0	0.22642	0
254167	1.50616	0	0.0252	0	0.27025	0
254232	0.68474	0	-0.57878	0	0.22984	0
254365	0.77864	0	0.31586	0	0.1861	0
288960	1.39864	0.02204	0.5587	0.0146	0.26658	0.00937

Table H-14. 2010 MCAS: IRT Parameters for Polytomous Items – English Language Arts Grade 10

Item Number	Parameters and Measures of Standard Error															
	a	SE (a)	b	SE (b)	c	SE (c)	D0	SE (D0)	D1	SE (D1)	D2	SE (D2)	D3	SE (D3)	D4	SE (D4)
254237	1.53698	0	0.53139	0	0	0	1.50841	0	0.48418	0	-0.50791	0	-1.48468	0	0	0
253938	1.81905	0	0.57131	0	0	0	1.39027	0	0.49994	0	-0.48068	0	-1.40953	0	0	0
279567	1.66905	0	0.75754	0	0	0	1.44518	0	0.48165	0	-0.47743	0	-1.4494	0	0	0
280239	1.82052	0	0.52351	0	0	0	1.21267	0	0.41129	0	-0.35655	0	-1.26742	0	0	0
253817	1.29414	0	0.33653	0	0	0	1.73277	0	0.55146	0	-0.61975	0	-1.66448	0	0	0
228485	1.06705	0	0.376	0	0	0	1.77958	0	0.56422	0	-0.59885	0	-1.74494	0	0	0
228266	1.25518	0	0.55183	0	0	0	1.37697	0	0.52916	0	-0.45934	0	-1.44679	0	0	0
228468	1.41819	0	0.37957	0	0	0	1.4871	0	0.60429	0	-0.56244	0	-1.52895	0	0	0
255100	1.58137	0	0.84113	0	0	0	1.22035	0	0.51709	0	-0.37882	0	-1.35862	0	0	0
254874	1.54089	0	0.63243	0	0	0	1.38652	0	0.52819	0	-0.44717	0	-1.46753	0	0	0
279394	1.69621	0	0.68523	0	0	0	1.53468	0	0.51136	0	-0.53041	0	-1.51563	0	0	0
268763	1.4533	0	0.54822	0	0	0	1.68657	0	0.56164	0	-0.55669	0	-1.69153	0	0	0

Item Number	Parameters and Measures of Standard Error															
	a	SE (a)	b	SE (b)	c	SE (c)	D0	SE (D0)	D1	SE (D1)	D2	SE (D2)	D3	SE (D3)	D4	SE (D4)
281763C	1.18725	0	-2.11719	0	0	0	2.45399	0	2.0551	0	0.2226	0	-0.35411	0	-1.82653	0
281763T	1.06059	0	0.12906	0	0	0	4.19155	0	3.8449	0	2.61215	0	2.06199	0	0.50685	0

Item Number	Parameters and Measures of Standard Error											
	D5	SE (D5)	D6	SE (D6)	D7	SE (D7)	D8	SE (D8)	D9	SE (D9)	D10	SE (D10)
281763C (continued)	-2.55105	0	0	0								
281763T (continued)	-0.1443	0	-1.75106	0	-2.5346	0	-4.05678	0	-4.73069	0	0	0

Table H-15. 2010 MCAS: IRT Parameters for Dichotomous Items – Mathematics Grade 3

Item Number	Parameters and Measures of Standard Error					
	a	SE (a)	b	SE (b)	c	SE (c)
281096	1.33314	0.01848	0.54921	0.00868	0.19743	0.00393
281099	0.61834	0.01383	-2.2271	0.10847	0.15558	0.05191
281103	0.72943	0.01428	-0.0589	0.03064	0.28352	0.0104
281207	0.88486	0.01578	-0.71499	0.03221	0.34109	0.01263
281211	0.94206	0.0141	0.12863	0.01581	0.1958	0.00666
281223	0.98041	0	-1.0309	0	0.2651	0

Item Number	Parameters and Measures of Standard Error					
	a	SE (a)	b	SE (b)	c	SE (c)
263132	0.74239	0.00663	-0.56783	0.00881	0	0
252332	0.67363	0.01177	-1.09373	0.04594	0.13821	0.01961
227240	0.78436	0	-0.26273	0	0.17381	0
227285	0.83843	0.01086	-0.49076	0.01895	0.06341	0.00872
227289	0.71029	0.00664	-0.865	0.01052	0	0
227295	0.68978	0	-0.75402	0	0	0
218441	0.85103	0	-1.51869	0	0.2047	0
218508	0.79958	0.01161	-0.03898	0.01856	0.10909	0.00777
218517	0.81187	0.06432	-1.39309	0.2073	0.28688	0.09154
218523	1.12879	0	-0.95709	0	0.08063	0
260976	0.68854	0	-0.07116	0	0.28212	0
260977	0.42234	0.00557	-1.68131	0.02458	0	0
260547	0.92789	0.01355	-0.745	0.02376	0.1841	0.01135
207776	0.77917	0	-0.92107	0	0.28786	0
227103	0.72463	0	-0.46072	0	0	0
253569	1.04361	0.01248	-0.90618	0.01645	0.05724	0.0089
253624	0.64382	0	-1.4372	0	0.22093	0
253644	0.91242	0.01354	0.11253	0.01612	0.17662	0.00679
264565	1.37065	0	-0.16025	0	0.20274	0
253701	0.51567	0.01104	-1.71728	0.09354	0.03023	0.03937
287945	0.81505	0.0124	-0.23046	0.02187	0.15916	0.00916
202961	0.71502	0	-1.57503	0	0.21077	0
202985	0.73924	0.01242	-0.47311	0.03062	0.18555	0.0122
202988	1.11768	0	-0.5383	0	0.20536	0
202994	0.84449	0.01599	-0.48355	0.03256	0.36988	0.01149
203002	0.66728	0.0115	-1.36979	0.05077	0.09592	0.0233
252919	0.59626	0	0.35019	0	0.0732	0
252964	0.68171	0.01266	-1.27916	0.05364	0.18705	0.02276
252969	0.31726	0.00479	-0.92991	0.02188	0	0
252980	0.87326	0.00742	0.69534	0.00636	0	0
261012	1.02484	0	-0.39121	0	0.23254	0
260987	0.64792	0	-1.27517	0	0	0
203643	0.68004	0	-1.07231	0	0	0
203723	1.30937	0	-1.25387	0	0.11391	0

Item Number	Parameters and Measures of Standard Error					
	a	SE (a)	b	SE (b)	c	SE (c)
207152	1.10344	0	-0.76671	0	0.21959	0
225833	0.69482	0.01205	-0.81229	0.0393	0.16723	0.01601
203481	0.85583	0.01049	-2.19649	0.0198	0	0
203539	1.18878	0	0.18557	0	0.34876	0
206961	0.9014	0	-1.21388	0	0.26634	0
206993	1.15588	0	-0.34452	0	0.2369	0
207010	1.1305	0	0.45088	0	0.15437	0
273265	0.96331	0.00811	-0.66968	0.00757	0	0

Table H-16. 2010 MCAS: IRT Parameters for Polytomous Items – Mathematics Grade 3

Item Number	Parameters and Measures of Standard Error											
	a	SE (a)	b	SE (b)	c	SE (c)	D0	SE (D0)	D1	SE (D1)	D2	SE (D2)
261029	0.77366	0.00435	-1.09743	0.00667	0	0	1.11917	0.01184	-1.11917	0.00671	0	0
287946	0.65647	0.00341	-1.00191	0.00717	0	0	1.67183	0.01463	-1.67183	0.00767	0	0
253730	0.93429	0.00517	-0.48185	0.00537	0	0	0.65782	0.00737	-0.65782	0.00573	0	0
208002	0.97408	0	-1.02989	0	0	0	0.11665	0	-0.11665	0	0	0
218572	0.65388	0	-1.77112	0	0	0	0.85456	0	-0.85456	0	0	0
261853	0.88466	0	-0.73279	0	0	0	1.44962	0	-1.44962	0	0	0

Table H-17. 2010 MCAS: IRT Parameters for Dichotomous Items – Mathematics Grade 4

Item Number	Parameters and Measures of Standard Error					
	a	SE (a)	b	SE (b)	c	SE (c)
218874	0.80372	0	-1.5882	0	0.14433	0
218887	1.15761	0	0.28963	0	0.13881	0
218902	0.85724	0.01325	-0.14309	0.02059	0.15489	0.00932
218909	0.94407	0	-0.63488	0	0.26657	0
218910	1.15439	0	0.09262	0	0.30274	0
218948	0.81542	0.01308	-0.24091	0.02374	0.15871	0.0105
218990	1.00867	0.01748	-1.72243	0.04107	0.17878	0.0253
219077	0.58514	0.00645	-0.91881	0.01376	0	0
281562	0.86971	0.0076	0.42224	0.00592	0	0
247506	1.749	0	0.41366	0	0.13435	0

Item Number	Parameters and Measures of Standard Error					
	a	SE (a)	b	SE (b)	c	SE (c)
247515	1.32651	0	-0.12706	0	0.30136	0
247526	0.58389	0.01292	-0.33711	0.04857	0.16617	0.01711
250443	1.20698	0	-0.16093	0	0.32309	0
250515	1.22694	0.0247	-0.07491	0.02121	0.52699	0.0074
250538	0.7341	0.00688	0.31973	0.0068	0	0
221875	0.58206	0.01487	-0.09089	0.05131	0.26021	0.01594
221898	0.57515	0	-0.5605	0	0	0
221903	0.74446	0	-1.0798	0	0.19771	0
272125	1.0872	0.01871	-0.61705	0.02524	0.36609	0.0114
272162	1.03172	0.01936	0.67915	0.0138	0.27904	0.00561
228713	1.31453	0	-0.44946	0	0.24296	0
228815	1.09349	0	-1.5838	0	0	0
272240	1.05989	0.01301	-0.87112	0.01709	0.05602	0.00968
247705	0.78637	0.01296	-0.44663	0.02826	0.16308	0.01245
222019	0.68041	0.01293	-1.33567	0.05735	0.14451	0.0262
222051	1.50395	0	0.59859	0	0.24074	0
222062	0.90161	0	-0.35685	0	0	0
222082	0.76594	0	-1.2396	0	0.13843	0
222095	1.6739	0	0.54069	0	0.16224	0
221969	0.69851	0	-0.38605	0	0.22564	0
221974	0.88569	0	-1.00492	0	0.32313	0
221984	1.02034	0	-0.62095	0	0.13419	0
226150	1.14859	0	-0.66641	0	0.13311	0
250374	1.14714	0.01587	0.13514	0.01214	0.18258	0.00612
227873	0.80736	0.00721	-0.00754	0.00671	0	0
250328	0.82419	0	-0.83699	0	0.1431	0
227380	0.85662	0.01322	-0.66735	0.02698	0.1581	0.01296
227496	0.70371	0.00725	-1.04333	0.01275	0	0
247582	0.65417	0.01371	-0.48934	0.04558	0.22644	0.01666
247587	1.05833	0	-0.21612	0	0.14431	0
227512	0.83213	0	-0.71671	0	0.08557	0
227518	1.54446	0	-0.239	0	0.29958	0
227577	0.91173	0.01901	0.18681	0.02428	0.39433	0.00842
227590	1.07862	0.01511	-0.53732	0.0184	0.18552	0.00981

Item Number	Parameters and Measures of Standard Error					
	a	SE (a)	b	SE (b)	c	SE (c)
258178	0.62579	0	-0.65964	0	0	0
258198	0.76732	0.01181	-0.33713	0.02434	0.0972	0.01091
258200	0.68012	0.01899	0.41994	0.03721	0.38971	0.01053
258214	0.95349	0	0.10761	0	0.21434	0
258220	0.97939	0.01512	-0.78303	0.02562	0.21702	0.01299
258226	0.88666	0	-0.21472	0	0.4799	0
258229	0.74152	0.00695	-0.32657	0.00821	0	0
258233	1.15641	0	-0.25407	0	0.15876	0
258251	0.55265	0.0125	-1.32828	0.08267	0.12111	0.03273
258281	0.87667	0	-0.03068	0	0.23982	0
258294	1.08823	0	-0.53921	0	0.16415	0
258297	1.0482	0.01492	0.749	0.00891	0.09134	0.004
270620	0.74188	0.01418	-0.95967	0.04633	0.24188	0.01943

Table H-18. 2010 MCAS: IRT Parameters for Polytomous Items – Mathematics Grade 4

Item Number	Parameters and Measures of Standard Error															
	a	SE (a)	b	SE (b)	c	SE (c)	D0	SE (D0)	D1	SE (D1)	D2	SE (D2)	D3	SE (D3)	D4	SE (D4)
258303	0.77435	0.00297	0.23197	0.00522	0	0	1.82047	0.00955	0.45356	0.00661	-0.59237	0.00651	-1.68165	0.00849	0	0
258258	0.96658	0	-0.48708	0	0	0	0.97923	0	0.33678	0	-0.26686	0	-1.04915	0	0	0
258261	0.98161	0.00374	-0.03103	0.0042	0	0	1.74804	0.00969	0.51348	0.00595	-0.54394	0.00526	-1.71757	0.0069	0	0
258223	1.19562	0	-0.71819	0	0	0	1.83094	0	0.14419	0	-0.61246	0	-1.36267	0	0	0
250382	1.06907	0.00437	-0.33349	0.00394	0	0	1.45644	0.00957	0.32816	0.00582	-0.41401	0.00497	-1.37058	0.00531	0	0
227323	0.65276	0	-0.42584	0	0	0	1.54572	0	0.33035	0	-0.4023	0	-1.47376	0	0	0

Table H-19. 2010 MCAS: IRT Parameters for Dichotomous Items – Mathematics Grade 5

Item Number	Parameters and Measures of Standard Error					
	a	SE (a)	b	SE (b)	c	SE (c)
198672	0.92938	0	-0.16012	0	0.18469	0
262214	1.15936	0.01842	-1.1233	0.02373	0.32234	0.01172
198687	0.90232	0	0.20385	0	0.2608	0
261578	1.11819	0	-0.04116	0	0.26536	0
261580	0.82713	0.0128	-1.19829	0.03237	0.1925	0.01473

Item Number	Parameters and Measures of Standard Error					
	a	SE (a)	b	SE (b)	c	SE (c)
261591	0.89487	0	-0.2093	0	0.24534	0
261594	0.91044	0	-1.35609	0	0.30099	0
261598	0.66839	0	-0.84096	0	0	0
281450	0.93903	0.01234	-0.31157	0.01609	0.13743	0.00735
221120	1.11596	0.076	-0.03986	0.06685	0.26871	0.02968
260680	0.80226	0.01114	-0.40605	0.02034	0.11449	0.00871
260681	0.91964	0	0.26675	0	0.20733	0
260696	0.76884	0	-0.73907	0	0.03312	0
260705	0.64505	0	-0.00858	0	0	0
260821	0.63168	0.05506	-0.82008	0.20476	0.21783	0.07174
260823	0.82096	0.01163	-0.23636	0.01902	0.13241	0.00803
260837	1.01969	0	0.32997	0	0.17707	0
260839	0.79329	0.00677	-0.05441	0.00686	0	0
249075	0.99226	0	0.59359	0	0.25408	0
249124	0.96586	0.00775	0.19973	0.00566	0	0
248872	0.85723	0.01415	0.85332	0.01186	0.12476	0.00453
248878	0.73729	0.00687	-0.96914	0.01064	0	0
248998	0.78849	0	-0.64148	0	0.367	0
249000	1.46096	0	0.74773	0	0.14238	0
221198	0.68554	0.00624	-0.30258	0.00832	0	0
204708	0.7586	0	-1.63343	0	0.13469	0
204712	1.05089	0	-1.30085	0	0.35042	0
204785	1.13891	0	-1.10801	0	0.16743	0
204842	0.99052	0	-0.50806	0	0.1876	0
204843	0.76514	0	-0.46741	0	0	0
204915	0.78411	0	-1.31448	0	0	0
272771	0.80306	0.015	-0.77428	0.03661	0.36457	0.01287
272773	0.91327	0.01294	0.06697	0.01505	0.15621	0.00642
272774	1.42443	0.01846	-0.31675	0.01112	0.22565	0.006
272776	1.49432	0.017	-0.35122	0.00883	0.1251	0.00502
272780	0.98167	0.01462	-0.00953	0.01607	0.22965	0.0068
272782	0.90802	0.01466	1.29694	0.0097	0.0613	0.00286
272783	0.68856	0.01213	-1.69806	0.05382	0.15099	0.02396
272786	1.60933	0.02187	0.2427	0.00835	0.25318	0.00422

Item Number	Parameters and Measures of Standard Error					
	a	SE (a)	b	SE (b)	c	SE (c)
272793	1.5046	0.02037	0.57199	0.00743	0.19274	0.00348
272891	0.76912	0.01259	0.59	0.01483	0.11815	0.0057
272892	0.97702	0	-0.21431	0	0.21676	0
272893	0.56695	0.0113	-0.67014	0.04867	0.17021	0.0164
272898	0.73892	0.01481	-0.09504	0.03091	0.33194	0.00992
272904	0.93114	0.01305	-1.25433	0.02549	0.14265	0.01292
272906	0.86335	0.01718	-1.26668	0.04485	0.43488	0.01596
272911	0.91272	0	-0.51018	0	0.10551	0
272913	1.01888	0.01223	-0.33679	0.01327	0.10174	0.00637
206930	0.99212	0	0.70118	0	0.24298	0
273044	0.731	0	-0.31144	0	0.46429	0
273050	0.64709	0	-0.29245	0	0.22131	0
273053	0.98088	0.01334	-0.5153	0.01801	0.18224	0.00843
273787	0.96045	0.01369	0.08351	0.01454	0.17849	0.00626
273788	1.19659	0.0166	-0.0533	0.01276	0.24183	0.00597
273791	1.20043	0.01628	-0.87236	0.01698	0.21261	0.00914
221523	1.02887	0	-0.68709	0	0.1632	0
207514	0.86165	0	-0.41556	0	0	0

Table H-20. 2010 MCAS: IRT Parameters for Polytomous Items – Mathematics Grade 5

Item Number	Parameters and Measures of Standard Error															
	a	SE (a)	b	SE (b)	c	SE (c)	D0	SE (D0)	D1	SE (D1)	D2	SE (D2)	D3	SE (D3)	D4	SE (D4)
261228	0.80271	0	0.12218	0	0	0	1.91963	0	0.31132	0	-0.57905	0	-1.65189	0	0	0
288080	0.89504	0.00386	-1.0407	0.0049	0	0	1.85121	0.01568	0.3424	0.00798	-0.45374	0.00637	-1.73986	0.00595	0	0
249010	1.09328	0.00575	-1.04619	0.00502	0	0	0.91063	0.00957	0.1033	0.00665	-0.15271	0.00609	-0.86121	0.00524	0	0
261611	1.18945	0.0054	-0.2034	0.00378	0	0	0.89905	0.00637	0.08281	0.00496	-0.08624	0.00483	-0.89561	0.00482	0	0
198678	1.03969	0	-0.11567	0	0	0	1.18292	0	0.17885	0	-0.22656	0	-1.1352	0	0	0
198686	1.07174	0	-0.53072	0	0	0	1.28061	0	0.12386	0	-0.14451	0	-1.25996	0	0	0

Table H-21. 2010 MCAS: IRT Parameters for Dichotomous Items – Mathematics Grade 6

Item Number	Parameters and Measures of Standard Error					
	a	SE (a)	b	SE (b)	c	SE (c)
223157	0.67151	0.00769	-1.64075	0.01875	0	0
223163	1.08319	0	-0.36141	0	0.2045	0
223228	0.88431	0	0.18882	0	0	0
264304	0.84377	0.01423	-0.18165	0.02618	0.23586	0.01087
281510	0.75167	0.01689	-0.79614	0.05662	0.39667	0.01946
221630	1.37738	0	-0.02839	0	0.10041	0
221683	0.78591	0.01151	-0.58716	0.02753	0.06293	0.01337
272170	1.04862	0.01382	0.07724	0.01351	0.14227	0.00655
272173	1.05314	0.01444	-0.34769	0.01769	0.17032	0.00908
272174	1.23169	0.01737	-0.64089	0.01796	0.21465	0.01027
272176	1.22464	0.01789	0.60958	0.01031	0.22522	0.00464
272178	1.19356	0.01699	-0.03631	0.01445	0.25385	0.00705
272180	0.81624	0.01625	-2.07729	0.08164	0.06063	0.05813
272278	0.62029	0.01283	-1.47776	0.08131	0.06821	0.03995
272280	1.14757	0.01278	0.06305	0.0097	0.062	0.00487
272282	0.73996	0.01165	-0.24617	0.02689	0.09344	0.01173
264759	0.9393	0.01672	-0.04831	0.02406	0.34228	0.00927
272283	1.44759	0.01921	0.16279	0.01002	0.23761	0.00527
272285	1.02814	0.01717	1.05948	0.01042	0.17268	0.00415
272288	0.77182	0.01169	-1.11382	0.03739	0.02016	0.02049
272293	0.6955	0.01136	-0.81968	0.0396	0.04652	0.01886
272300	1.42856	0	0.04723	0	0.21154	0
272303	1.04652	0.01626	-0.50494	0.02288	0.26781	0.01107
272306	1.0532	0	0.3953	0	0	0
272358	1.10199	0	-0.16115	0	0.15524	0
272364	1.0528	0.01461	-0.42229	0.01864	0.17568	0.00966
229917	1.40927	0	-0.22415	0	0.22391	0
229927	1.22184	0	-0.58482	0	0.15754	0
227709	1.187	0	-0.84792	0	0.13535	0
227720	1.27847	0	-0.54972	0	0.20207	0
227737	1.03134	0	-0.07848	0	0.22096	0
227740	0.6972	0	0.1665	0	0.15918	0
217503	0.89767	0.01323	-0.70275	0.02658	0.13025	0.0137

Item Number	Parameters and Measures of Standard Error					
	a	SE (a)	b	SE (b)	c	SE (c)
217507	1.41761	0	-0.08293	0	0.13629	0
217525	1.02857	0.01441	-0.06452	0.01621	0.18441	0.00776
217599	0.64484	0.00629	-0.62064	0.01083	0	0
217604	0.90479	0.00815	-0.85161	0.00936	0	0
217608	0.54045	0.00561	0.16669	0.00912	0	0
217619	0.77564	0.00667	0.20758	0.00672	0	0
273824	0.94057	0	-0.04571	0	0.23721	0
226187	1.41458	0	-0.61846	0	0.12825	0
266129	1.10675	0	0.48165	0	0.21439	0
265870	1.09859	0.01349	-1.85283	0.01561	0	0
265885	1.02471	0.01463	-0.15051	0.01746	0.19849	0.00837
265891	1.20016	0.01625	0.8256	0.00826	0.13061	0.00365
265892	0.80698	0	-0.80139	0	0.188	0
265894	0.75058	0.01468	-0.27907	0.03678	0.28472	0.01356
265896	0.82104	0	-0.6997	0	0	0
251289	0.79069	0	-0.70535	0	0.20209	0
251345	0.5591	0	-1.47941	0	0	0
251387	0.4921	0	-0.17571	0	0.23595	0
251467	0.61463	0	-0.88011	0	0.23336	0
251488	1.4825	0.01696	0.44763	0.00691	0.11318	0.00355
251575	0.7765	0	-0.30042	0	0	0
227497	1.27729	0	0.0999	0	0.27492	0
227450	0.91289	0.05766	0.00908	0.07653	0.11747	0.03563
281968	0.97676	0	0.36635	0	0.15226	0

Table H-22. 2010 MCAS: IRT Parameters for Polytomous Items – Mathematics Grade 6

Item Number	Parameters and Measures of Standard Error															
	a	SE (a)	b	SE (b)	c	SE (c)	D0	SE (D0)	D1	SE (D1)	D2	SE (D2)	D3	SE (D3)	D4	SE (D4)
273834	0.93854	0.00392	-0.47561	0.00452	0	0	1.41562	0.01039	0.46646	0.007	-0.41109	0.00569	-1.47099	0.00573	0	0
273841	1.3748	0	-0.44328	0.00361	0	0	1.25548	0.00858	0.40057	0.00562	0.25683	0.00534	-1.91289	0.00504	0	0
251347	0.9944	0	-0.03951	0	0	0	1.58091	0	0.67592	0	-0.52145	0	-1.73537	0	0	0
266137	1.28631	0.00556	0.14858	0.0034	0	0	0.79304	0.00541	0.30682	0.00467	0.02779	0.00446	-1.12765	0.00489	0	0
229936	0.97755	0	-0.72926	0	0	0	1.35136	0	0.16085	0	-0.35115	0	-1.16106	0	0	0
264309	1.26147	0	0.00788	0	0	0	1.252	0	0.20142	0	-0.27274	0	-1.18068	0	0	0

Table H-23. 2010 MCAS: IRT Parameters for Dichotomous Items – Mathematics Grade 7

Item Number	Parameters and Measures of Standard Error					
	a	SE (a)	b	SE (b)	c	SE (c)
262279	0.81875	0.0125	-0.84841	0.02932	0.1281	0.01419
261637	1.03439	0	-0.0271	0	0.14953	0
261643	0.96835	0.01447	-0.74429	0.02408	0.2017	0.01207
261650	1.15826	0	0.12546	0	0.38949	0
208393	0.93988	0.0162	0.12737	0.01789	0.23648	0.00757
208428	1.19887	0.01869	0.61381	0.00909	0.17431	0.00427
208512	1.43719	0	-0.43908	0	0.15584	0
208572	0.76161	0.01299	-1.48455	0.04749	0.12887	0.02431
250852	2.0464	0.03066	0.92818	0.005	0.16017	0.00242
250858	1.24236	0.01777	-0.70929	0.01795	0.25446	0.00994
250876	1.44045	0.02604	0.78137	0.00857	0.28553	0.00383
205228	1.79725	0.02307	0.50325	0.00594	0.16918	0.00323
205230	1.12459	0	0.12636	0	0.21936	0
272457	1.29713	0.01669	-0.31014	0.01239	0.18622	0.00686
250437	0.91528	0	-0.80392	0	0.31313	0
198325	0.72416	0	-1.33804	0	0.21448	0
198330	1.59169	0.01953	0.03732	0.00813	0.18042	0.00465
198393	1.31539	0	0.29835	0	0.18967	0
250480	1.58447	0	0.32581	0	0.10523	0
250491	1.13974	0.0152	-1.29219	0.021	0.09873	0.01337
250493	1.76224	0.02568	0.23526	0.00846	0.31676	0.00445
250494	1.34819	0	-0.92382	0	0.29435	0
272149	1.32335	0	0.70094	0	0.25983	0

Item Number	Parameters and Measures of Standard Error					
	a	SE (a)	b	SE (b)	c	SE (c)
249164	1.35895	0	0.4189	0	0.17659	0
208708	0.75864	0	-0.4515	0	0.08862	0
260350	0.72299	0.02116	0.842	0.0234	0.30935	0.00785
260413	1.07804	0.01692	0.02795	0.01541	0.24908	0.00701
205464	1.60546	0	0.58687	0	0.29033	0
205504	0.84727	0	-0.43347	0	0.1637	0
205585	0.62597	0	-1.11212	0	0	0
205586	0.82674	0.01957	0.71608	0.01816	0.26981	0.00679
208618	1.08584	0.0731	-0.08908	0.06978	0.1994	0.03426
208769	0.57918	0.00732	-1.9609	0.02369	0	0
208772	0.95143	0	-0.81145	0	0	0
250206	0.78472	0.00701	-0.08973	0.00686	0	0
250262	0.91234	0	0.18295	0	0	0
219449	1.70568	0.01787	0.24163	0.00545	0.07167	0.00291
219513	0.86299	0	-1.5854	0	0	0
219525	1.38406	0	-0.73248	0	0.57917	0
219531	1.37981	0.01044	-0.06297	0.00452	0	0
219534	0.71996	0.00675	0.09599	0.007	0	0
261100	0.99653	0.00936	-1.18089	0.00998	0	0
228019	1.6058	0	-0.11881	0	0.25537	0
228078	0.81679	0.01644	-0.9084	0.04424	0.36272	0.01687
228084	1.00657	0.01383	-0.90722	0.02205	0.14096	0.01213
259162	0.90722	0	-0.31597	0	0.1763	0
259238	1.04542	0.01515	0.12276	0.01315	0.16271	0.00624
259263	0.76818	0.01196	-0.66821	0.02871	0.10665	0.01316
259273	1.16118	0.01858	-0.01703	0.01546	0.30456	0.00695
250330	1.36255	0	0.05501	0	0.15618	0
250338	1.86942	0.02633	0.91808	0.005	0.11854	0.0023
250358	1.24729	0.01019	-0.63128	0.00618	0	0
235344	0.99961	0.01624	-0.21755	0.01994	0.26771	0.00881
235415	0.73819	0	0.94135	0	0.17584	0
235433	1.46531	0.02174	0.45519	0.00854	0.24254	0.00424
235466	0.91463	0.01367	-1.0707	0.02891	0.15776	0.01527
235468	0.87629	0	-0.41801	0	0.15739	0

Table H-24. 2010 MCAS: IRT Parameters for Polytomous Items – Mathematics Grade 7

Item Number	Parameters and Measures of Standard Error															
	a	SE (a)	b	SE (b)	c	SE (c)	D0	SE (D0)	D1	SE (D1)	D2	SE (D2)	D3	SE (D3)	D4	SE (D4)
281972	1.35759	0	-0.62278	0	0	0	0.94169	0	0.38362	0	-0.19699	0	-1.12832	0	0	0
208665	1.20913	0	-0.18491	0	0	0	1.25096	0	0.45886	0	0.0041	0	-1.71391	0	0	0
272155	1.50925	0.00621	-0.11185	0.00285	0	0	1.37426	0.007	0.18826	0.0042	-0.47441	0.00378	-1.0881	0.00412	0	0
250450	0.95981	0	-0.58147	0	0	0	1.16675	0	0.78464	0	0.09098	0	-2.04237	0	0	0
261630	1.52451	0.00666	-0.32625	0.00296	0	0	1.17345	0.00701	0.21736	0.00448	-0.47964	0.00381	-0.91118	0.00382	0	0
262321	1.22755	0	-0.67559	0	0	0	1.41225	0	0.24788	0	-0.55751	0	-1.10262	0	0	0

Table H-25. 2010 MCAS: IRT Parameters for Dichotomous Items – Mathematics Grade 8

Item Number	Parameters and Measures of Standard Error					
	a	SE (a)	b	SE (b)	c	SE (c)
263834	1.19195	0.01584	0.26745	0.01145	0.19961	0.00533
263846	1.37843	0	0.66995	0	0.35478	0
263850	1.27135	0.01622	-0.58192	0.01452	0.15335	0.00843
263851	1.464	0	0.18202	0	0.33998	0
264515	0.76337	0.01221	-0.71403	0.03452	0.15939	0.01544
227807	0.76291	0	-0.09898	0	0.08998	0
227812	1.6148	0	0.97894	0	0.13981	0
227814	1.49174	0	0.42045	0	0.44553	0
227825	1.58445	0	0.86457	0	0.30014	0
229635	0.94135	0.01246	-0.7471	0.02211	0.10164	0.01172
229637	0.99736	0.01568	-0.72552	0.02678	0.26788	0.01285
229725	0.73701	0.01807	0.0901	0.04103	0.47696	0.0105
229552	1.20013	0	-0.28185	0	0.08231	0
289723	0.57494	0.01193	-0.82424	0.0635	0.17173	0.02323
289725	0.69051	0.01278	-0.60521	0.04333	0.22123	0.01671
268713	1.08738	0	-1.131	0	0	0
253691	1.23679	0.01655	0.6262	0.00931	0.18	0.00415
253742	1.56498	0	0.73758	0	0.4227	0
253747	0.84997	0.01227	0.30085	0.01622	0.12713	0.00675
253755	0.68679	0.01027	-1.01344	0.03807	0.04196	0.01812
253758	0.76645	0	-0.54141	0	0.20083	0

Item Number	Parameters and Measures of Standard Error					
	a	SE (a)	b	SE (b)	c	SE (c)
253766	1.06845	0	-0.22618	0	0	0
253852	1.08731	0.01369	-1.00727	0.01927	0.07379	0.01169
253856	1.55185	0.02599	0.9002	0.00913	0.34981	0.00363
276326	0.34617	0.00625	-3.05033	0.05744	0	0
264766	1.22448	0.01847	-0.23711	0.01679	0.32189	0.0078
264776	0.47167	0	-0.96761	0	0	0
264777	1.15702	0	-0.31933	0	0.21173	0
253886	1.00511	0.01425	-0.80343	0.02365	0.17088	0.01264
288136	0.80844	0.00961	-1.92423	0.01903	0	0
288137	0.76005	0.01499	0.0363	0.03156	0.32536	0.01048
226927	1.07327	0	0.00523	0	0.13177	0
226930	1.14581	0.01743	-1.92	0.02773	0.03204	0.02025
226933	0.84999	0	0.61805	0	0	0
228579	1.08585	0	0.24185	0	0.08629	0
228687	0.48658	0	-2.80336	0	0.14714	0
265932	0.79949	0	-0.77791	0	0.10321	0
265955	0.78046	0.01247	0.14333	0.0219	0.16424	0.00868
265963	0.72318	0.0063	-0.23677	0.00821	0	0
272938	1.17497	0.01574	-0.33192	0.01542	0.20239	0.00795
252989	1.40213	0.01929	1.38138	0.00646	0.0817	0.00206
265339	1.31221	0.01518	-0.10847	0.01012	0.11842	0.00541
228118	0.50523	0.00613	-1.62345	0.02209	0	0
228127	0.78633	0	-1.35179	0	0	0
229505	0.70466	0.00631	-0.44179	0.00913	0	0
265598	1.12553	0.0085	0.36212	0.00509	0	0
219566	0.96768	0.0157	0.04239	0.0201	0.29877	0.00799
219576	1.31523	0.01637	0.159	0.01009	0.17664	0.00506
219579	0.66731	0	-1.48553	0	0.32164	0
219598	1.02041	0.01551	-0.50349	0.02276	0.2616	0.01067
219599	1.3207	0	0.68328	0	0.25986	0
219614	1.37976	0	-0.45093	0	0.28436	0
219617	1.59191	0.02479	0.97313	0.00789	0.27729	0.00331
219645	1.21471	0.01566	-0.17449	0.01321	0.18536	0.00679
219677	0.56219	0	0.04269	0	0.20406	0

Item Number	Parameters and Measures of Standard Error					
	a	SE (a)	b	SE (b)	c	SE (c)
219703	0.71399	0	0.50441	0	0	0
227750	1.09448	0	0.77349	0	0	0

Table H-26. 2010 MCAS: IRT Parameters for Polytomous Items – Mathematics Grade 8

Item Number	Parameters and Measures of Standard Error															
	a	SE (a)	b	SE (b)	c	SE (c)	D0	SE (D0)	D1	SE (D1)	D2	SE (D2)	D3	SE (D3)	D4	SE (D4)
219720	0.99804	0.00399	0.15454	0.00416	0	0	1.79683	0.00905	0.23643	0.00558	-0.67279	0.00537	-1.36047	0.0061	0	0
265583	1.14861	0	0.15759	0	0	0	1.46878	0	-0.13827	0	-0.35273	0	-0.97778	0	0	0
272945	0.97795	0	-0.11388	0	0	0	1.9379	0	0.63262	0	-0.46501	0	-2.10551	0	0	0
253894	1.26461	0	-0.06119	0	0	0	0.9763	0	0.07616	0	-0.19865	0	-0.85381	0	0	0
264744	1.24209	0.00568	0.53473	0.00359	0	0	0.81196	0.00508	-0.01427	0.00454	-0.0749	0.00454	-0.72279	0.00496	0	0
253813	1.15659	0	-0.11712	0	0	0	1.17788	0	0.36878	0	0.21904	0	-1.7657	0	0	0

Table H-27. 2010 MCAS: IRT Parameters for Dichotomous Items – Mathematics Grade 10

Item Number	Parameters and Measures of Standard Error					
	a	SE (a)	b	SE (b)	c	SE (c)
276457	1.49229	0	0.93778	0	0.22515	0
272831	1.15717	0	1.0156	0	0.22199	0
253721	1.05914	0	0.7467	0	0	0
287633	1.89536	0.02842	1.18346	0.00679	0.27718	0.00395
268306	1.23765	0	1.01438	0	0.18038	0
254550	2.19307	0	0.91765	0	0.2388	0
254592	2.1714	0	1.09835	0	0.15155	0
254606	1.68633	0	1.0521	0	0.18995	0
254659	1.36876	0	0.78795	0	0.30288	0
254671	1.41148	0	1.09934	0	0.19056	0
254820	1.35537	0	1.17912	0	0.20945	0
268672	1.11213	0	0.70586	0	0	0
279309	0.95575	0	0.02291	0	0.17423	0
279314	1.22612	0	0.16664	0	0.21513	0
229533	1.76243	0	1.13489	0	0.21432	0
268496	0.87402	0	-0.60598	0	0.14414	0

Item Number	Parameters and Measures of Standard Error					
	a	SE (a)	b	SE (b)	c	SE (c)
260875	1.79477	0	1.21494	0	0.43103	0
260882	1.51636	0	1.02927	0	0.14974	0
268424	2.09889	0	1.67968	0	0.29056	0
279054	0.74112	0	0.27213	0	0.16389	0
279059	0.79354	0	0.91933	0	0.1409	0
279062	1.80663	0	1.39637	0	0.10694	0
279067	1.61041	0	0.20329	0	0.20063	0
279092	1.32148	0	1.31856	0	0.28585	0
279114	1.3097	0	1.49304	0	0.2154	0
279118	1.36782	0	1.50295	0	0.12728	0
279242	0.89097	0	1.38036	0	0.28919	0
250912	1.87197	0	1.1359	0	0.17327	0
251026	0.8369	0	0.08513	0	0	0
229776	1.33645	0	0.30758	0	0.06731	0
250625	1.68105	0	1.55462	0	0.39363	0
250670	1.39177	0	1.45538	0	0.25869	0
229594	1.66734	0.05155	0.75291	0.01486	0	0
229625	1.38209	0	1.20497	0	0.33666	0
261736	1.76686	0	1.11464	0	0.14309	0
254846	1.38164	0	0.65691	0	0	0
254885	1.58058	0	0.92189	0	0.11609	0
258807	1.47085	0	0.71237	0	0.32797	0
258814	1.06842	0	0.67479	0	0.10383	0
258815	1.13201	0	0.27625	0	0.24217	0
274042	1.0055	0	0.15684	0	0.25073	0
274101	1.03479	0	0.64529	0	0.27165	0
274462	0.74375	0	0.60155	0	0.2173	0
278523	1.30702	0	0.90063	0	0.17642	0
278568	1.09147	0	0.02363	0	0	0
274011	1.80022	0	0.8573	0	0.19873	0
258457	1.28494	0	0.85871	0	0.18886	0
258466	1.22187	0	0.90075	0	0	0
268054	1.37375	0	0.81121	0	0.15583	0
254107	2.38347	0.11133	1.59163	0.01527	0.09365	0

Item Number	Parameters and Measures of Standard Error					
	a	SE (a)	b	SE (b)	c	SE (c)
273261	1.51538	0	0.82496	0	0.23293	0
273322	1.57541	0	1.04548	0	0.35273	0
273351	1.23713	0	0.63	0	0.24511	0
273448	2.25792	0	0.78451	0	0.25545	0
227888	1.3797	0	0.7487	0	0.1287	0
227869	1.7913	0	0.8155	0	0.3459	0
227936	1.0043	0	0.5551	0	0.2119	0
227950	1.3468	0	0.9593	0	0.3003	0
273573	1.94874	0	-0.03777	0	0.27518	0
273580	1.44506	0	1.27961	0	0.37661	0
273610	1.50898	0	1.09316	0	0.35341	0
273624	1.72006	0	1.59083	0	0.37123	0
229932	1.59938	0	1.19486	0	0.18323	0
229964	0.78669	0.04921	0.909	0.06356	0.01596	0.03062
229995	1.95568	0	0.9991	0	0.20613	0
230072	2.14931	0	1.28018	0	0.11408	0
253144	2.25221	0	1.26283	0	0.25803	0
261538	1.18931	0	1.29599	0	0.25689	0
261484	0.83911	0	0.07356	0	0.15141	0
271553	0.9773	0	0.48697	0	0.38318	0
268100	0.93285	0	0.1443	0	0	0
253190	1.82049	0	0.9318	0	0.21581	0

Table H-28. 2010 MCAS: IRT Parameters for Polytomous Items – Mathematics Grade 10

Item Number	Parameters and Measures of Standard Error															
	a	SE (a)	b	SE (b)	c	SE (c)	D0	SE (D0)	D1	SE (D1)	D2	SE (D2)	D3	SE (D3)	D4	SE (D4)
268104	1.62087	0	0.32576	0	0	0	0.70441	0	0.23997	0	-0.05177	0	-0.8926	0	0	0
261546	1.44343	0	0.13257	0	0	0	1.08843	0	0.36872	0	-0.36334	0	-1.09381	0	0	0
273603	2.0129	0	0.5539	0	0	0	0.76775	0	0.125	0	-0.20432	0	-0.68844	0	0	0
273605	1.67525	0	0.47819	0	0	0	0.76203	0	0.32746	0	-0.08737	0	-1.00213	0	0	0
273319	1.67774	0	0.42429	0	0	0	1.3434	0	-0.05559	0	-0.4962	0	-0.79161	0	0	0
254149	1.53173	0	0.00725	0	0	0	0.94935	0	0.28492	0	-0.45352	0	-0.78075	0	0	0
251666	1.8876	0	1.08142	0	0	0	0.83289	0	0.09705	0	-0.23983	0	-0.69011	0	0	0
229564	1.61242	0	0.91114	0	0	0	0.72468	0	0.28626	0	-0.18772	0	-0.82322	0	0	0
279267	2.12946	0	0.5535	0	0	0	1.27084	0	0.12281	0	-0.37369	0	-1.01996	0	0	0
279510	1.4823	0	0.31886	0	0	0	1.04433	0	0.13685	0	-0.30477	0	-0.87642	0	0	0
254553	1.92322	0	1.07383	0	0	0	0.76484	0	0.32781	0	-0.29568	0	-0.79697	0	0	0
276566	1.7878	0	0.32291	0	0	0	0.87528	0	0.24144	0	-0.3528	0	-0.76391	0	0	0

Table H-29. 2010 MCAS: IRT Parameters for Dichotomous Items – Science and Technology/Engineering Grade 5

Item Number	Parameters and Measures of Standard Error					
	a	SE (a)	b	SE (b)	c	SE (c)
264848	0.39927	0.0058	-2.41137	0.03306	0	0
264868	0.7393	0	-0.92277	0	0.24904	0
264881	0.86805	0	-0.26836	0	0.15268	0
264887	1.01769	0.01752	-0.02051	0.01676	0.3248	0.00659
264803	0.77354	0.01533	0.04828	0.02366	0.28882	0.0082
264809	0.37532	0.00553	-2.21397	0.03172	0	0
264836	0.68731	0.02364	1.16109	0.0244	0.37365	0.0065
228993	0.87741	0	0.67526	0	0.31232	0
229266	0.4708	0	-0.25698	0	0.3703	0
229322	0.83852	0	-1.07876	0	0.20913	0
281790	1.18269	0.01745	-0.02979	0.01217	0.25494	0.0056
281795	0.76202	0.0144	-0.50283	0.03066	0.30311	0.01079
281799	0.36282	0.00532	-1.92892	0.02859	0	0
281815	1.05084	0.01655	-0.32542	0.01715	0.29492	0.00736
281818	0.46631	0.00546	-0.92109	0.01399	0	0
281820	0.39947	0.00519	-0.04733	0.01172	0	0
281822	0.34767	0.02138	0.6663	0.12467	0.39864	0.02102
281826	0.5629	0.01081	-1.42843	0.05764	0.12007	0.02138
281827	0.84149	0.01482	-1.18085	0.03526	0.31734	0.01403
281835	0.6694	0.01781	-0.86997	0.06152	0.51959	0.01452
281837	1.12795	0.01702	-1.64794	0.02509	0.21383	0.0139
281840	0.4635	0.00625	-2.40679	0.02949	0	0
281843	0.97507	0	-1.35302	0	0.28744	0
281844	0.54446	0	-1.33084	0	0.20658	0
281849	0.69042	0.01366	-1.51413	0.05452	0.30028	0.0199
281857	0.51371	0.01479	-0.26444	0.06111	0.32149	0.01547
281864	1.09535	0.01373	-0.37197	0.01217	0.13103	0.00604
288603	1.0273	0.01588	0.36324	0.01141	0.18704	0.00488
227839	0.82086	0.0133	-1.02586	0.03007	0.23392	0.01263
227859	0.74383	0	-1.37589	0	0.20777	0
281883	0.98916	0.01958	0.62886	0.01383	0.29673	0.00502
281885	0.79023	0.01729	0.81559	0.01601	0.22343	0.00561

Item Number	Parameters and Measures of Standard Error					
	a	SE (a)	b	SE (b)	c	SE (c)
253115	0.92295	0	-0.89912	0	0.21818	0
245066	0.64604	0.01388	-0.81148	0.04735	0.31932	0.0149
253150	0.99659	0	-0.64716	0	0.19523	0
273693	0.62018	0	-2.15412	0	0.20963	0
273694	0.91077	0.01534	-0.41565	0.02201	0.29694	0.00871
273697	1.00376	0.01462	0.0202	0.01309	0.18304	0.00582
273716	0.8629	0.01383	-0.75745	0.02534	0.24622	0.01057
273717	0.99159	0	0.18329	0	0.28956	0
273718	0.90674	0.01376	-1.04438	0.02558	0.22261	0.01161
273737	0.71892	0.01188	-1.10734	0.03508	0.17713	0.01429
273741	0.96986	0.01943	0.39569	0.01647	0.35234	0.00578
273760	0.91557	0	0.27454	0	0.20388	0
273761	0.82972	0.0174	0.78038	0.01506	0.22485	0.00538
273763	1.28282	0.01848	-0.93823	0.01675	0.27381	0.00884
273766	0.5178	0.01834	0.6101	0.04601	0.35136	0.01128
273774	0.50739	0.00729	-2.98347	0.03659	0	0
273776	0.79721	0	-0.27985	0	0.30102	0
273779	0.54035	0.00942	-3.8651	0.05479	0	0
245343	0.85649	0	-1.33276	0	0.19577	0
245362	0.71907	0	-0.28091	0	0.53723	0
245468	0.83952	0	0.08218	0	0.16306	0
245485	0.72035	0	-0.83604	0	0.22502	0
245529	0.91028	0.01435	-2.06144	0.03665	0.14127	0.01955
245539	0.94894	0	-0.42809	0	0.2011	0
245582	0.57408	0.01107	-0.91788	0.04621	0.14369	0.01623

Table H-30. 2010 MCAS: IRT Parameters for Polytomous Items – Science and Technology/Engineering Grade 5

Item Number	Parameters and Measures of Standard Error															
	a	SE (a)	b	SE (b)	c	SE (c)	D0	SE (D0)	D1	SE (D1)	D2	SE (D2)	D3	SE (D3)	D4	SE (D4)
273782	0.73329	0.00325	-1.54567	0.00602	0	0	1.40872	0.01489	0.73879	0.01125	-0.07998	0.00855	-2.06753	0.00693	0	0
288851	0.95733	0.00368	0.04889	0.00433	0	0	1.62251	0.00787	0.49036	0.00566	-0.31128	0.00546	-1.80158	0.00839	0	0
288853	0.94838	0.00362	0.03688	0.00444	0	0	2.39582	0.01121	0.3705	0.00566	-0.83663	0.00593	-1.92969	0.0089	0	0
227828	0.68828	0	-1.10594	0	0	0	2.24486	0	0.70841	0	-0.73847	0	-2.2148	0	0	0
264845	0.65622	0	0.4724	0	0	0	2.19002	0	0.70387	0	-0.38564	0	-2.50824	0	0	0
264893	0.81844	0.00334	0.46539	0.00508	0	0	1.31001	0.00688	0.65931	0.00621	-0.29916	0.00647	-1.67016	0.01007	0	0

Table H-31. 2010 MCAS: IRT Parameters for Dichotomous Items – Science and Technology/Engineering Grade 8

Item Number	Parameters and Measures of Standard Error					
	a	SE (a)	b	SE (b)	c	SE (c)
229335	0.73738	0	-0.57336	0	0.13139	0
272957	1.28087	0.02215	0.05268	0.01453	0.40874	0.00595
227912	0.62135	0.01269	-0.55691	0.04287	0.20977	0.01492
227961	1.39112	0.01837	-0.47658	0.01233	0.2298	0.00693
227964	0.81712	0.01263	-0.997	0.03001	0.18124	0.01365
227989	0.92851	0.01543	-0.66463	0.02615	0.30325	0.01106
246311	1.635	0.03854	1.49887	0.00945	0.19158	0.00229
246328	0.90684	0	-0.41626	0	0.11132	0
246356	0.59797	0	0.72735	0	0.23033	0
273915	0.82184	0.01376	-0.30081	0.02381	0.22107	0.00971
273922	0.99688	0.01719	-0.4665	0.02355	0.35792	0.00951
273939	1.23283	0.01794	-0.41946	0.01536	0.28745	0.00763
273955	1.11025	0	-0.52243	0	0.37499	0
273956	0.90303	0	0.4358	0	0.15058	0
273960	1.51727	0.01872	-0.23621	0.00926	0.18907	0.00536
273964	1.02143	0.01571	-0.37662	0.01893	0.2669	0.00853
273968	0.65536	0.01525	0.47576	0.02553	0.21008	0.00885
273987	0.88877	0.01397	-0.93078	0.02818	0.23762	0.01282
273990	1.15533	0.02329	1.03617	0.00997	0.22984	0.00376
281944	0.43983	0.01638	0.34091	0.06971	0.2565	0.01726
282046	0.45249	0.00569	-1.27345	0.01861	0	0
282048	0.77165	0.0135	0.05914	0.021	0.17698	0.00835
274032	1.1199	0.02622	0.22376	0.02096	0.55799	0.00595

Item Number	Parameters and Measures of Standard Error					
	<i>a</i>	<i>SE (a)</i>	<i>b</i>	<i>SE (b)</i>	<i>c</i>	<i>SE (c)</i>
281974	1.3602	0.02654	0.69933	0.01056	0.36993	0.00414
282018	1.35236	0.01761	-0.02388	0.00992	0.20111	0.00523
282026	1.3486	0.02863	1.04966	0.00957	0.30285	0.00349
282028	0.98619	0.01475	-0.82611	0.02317	0.24011	0.01111
282029	0.91789	0.01446	0.0866	0.01595	0.18914	0.0069
282039	1.67837	0	-0.08159	0	0.28843	0
282042	0.56793	0.01219	0.0013	0.03498	0.12895	0.01199
282061	0.9047	0.01713	-0.03628	0.02243	0.34199	0.00826
282064	0.72367	0.01507	0.03346	0.02833	0.26969	0.00984
282065	0.56281	0	0.29713	0	0.16486	0
282066	1.03047	0.01643	-0.20391	0.01797	0.28734	0.0078
265219	1.42396	0.0239	0.24665	0.01147	0.38407	0.00497
265230	0.72152	0	0.98599	0	0.21592	0
265247	0.91262	0	0.7523	0	0.22527	0
265261	0.72712	0.01399	-1.62719	0.05635	0.27565	0.02322
265267	1.32909	0.02388	0.65201	0.01001	0.31488	0.00419
265275	0.85799	0.01371	-0.52289	0.02445	0.22388	0.01047
265276	1.20249	0.02704	1.10933	0.01066	0.28967	0.00372
265280	1.15704	0	0.8306	0	0.11402	0
265283	1.14565	0	-0.09743	0	0.21732	0
265292	0.76355	0	0.02708	0	0.20664	0
265299	0.5612	0.01427	-0.86349	0.07053	0.32296	0.02037
265305	0.98004	0	-0.2457	0	0.21874	0
265308	0.92464	0.01366	-0.4568	0.02004	0.19472	0.00916
229491	0.40133	0.00543	-1.17759	0.01964	0	0
229364	1.05624	0.0163	-0.67225	0.02139	0.29291	0.00996
229382	0.55013	0	-1.06467	0	0.14718	0
229394	1.04643	0	0.47907	0	0.25835	0
229398	1.23197	0.01793	0.01889	0.01217	0.25855	0.00584
229404	0.53711	0	-0.10373	0	0.16144	0
229421	1.13624	0	-0.65774	0	0.47397	0
229437	0.7376	0	-0.13756	0	0.24478	0
229451	0.76883	0	-0.63612	0	0.1367	0
273680	0.87233	0.02847	1.39801	0.01748	0.32646	0.00482

Table H-32. 2010 MCAS: IRT Parameters for Polytomous Items – Science and Technology/Engineering Grade 8

Item Number	Parameters and Measures of Standard Error															
	a	SE (a)	b	SE (b)	c	SE (c)	D0	SE (D0)	D1	SE (D1)	D2	SE (D2)	D3	SE (D3)	D4	SE (D4)
229455	1.14326	0	-0.47466	0	0	0	1.53522	0	0.47481	0	-0.48487	0	-1.52516	0	0	0
282043	0.92933	0	0.48639	0	0	0	1.98235	0	0.58221	0	-0.64268	0	-1.92188	0	0	0
282059	0.75482	0.00284	0.16236	0.00532	0	0	1.88872	0.00952	0.57239	0.00676	-0.65578	0.00672	-1.80533	0.00919	0	0
274000	0.79101	0.00296	0.67608	0.00518	0	0	2.15746	0.00859	0.50049	0.00623	-0.72468	0.00736	-1.93328	0.01221	0	0
273941	0.71874	0.00301	-0.73497	0.00573	0	0	1.74669	0.0129	0.43494	0.00814	-0.62431	0.0068	-1.55732	0.00704	0	0
281079	1.08814	0.00435	0.34927	0.0038	0	0	1.16825	0.00583	0.37801	0.00487	-0.3071	0.00493	-1.23915	0.00661	0	0

Table H-33. 2010 MCAS: IRT Parameters for Dichotomous Items – High School Biology

Item Number	Parameters and Measures of Standard Error					
	a	SE (a)	b	SE (b)	c	SE (c)
222368	0.78621	0	-0.64544	0	0.17826	0
243541	0.6035	0	-0.38453	0	0.25	0
260738	0.79965	0	0.5859	0	0.3104	0
260740	0.89601	0	0.42807	0	0.2791	0
260756	1.95629	0	-0.13355	0	0.22244	0
260757	1.10188	0	0.19824	0	0.22537	0
260951	1.60007	0	-1.00959	0	0.13062	0
260956	0.70065	0	-0.10048	0	0.25734	0
275469	1.10327	0	-0.11246	0	0.13694	0
275470	0.62589	0	0.29641	0	0.38765	0
281501	1.17911	0	-0.63748	0	0.2208	0
242939	0.95037	0	-1.42019	0	0.15641	0
256913	1.27467	0	-0.83315	0	0.3217	0
256939	0.90005	0	-0.70694	0	0.27693	0
275478	0.95329	0	0.63328	0	0.40375	0
275491	0.97414	0	0.00981	0	0.37422	0
275518	1.09104	0	-0.50645	0	0.23767	0
275519	0.7276	0	-0.44069	0	0.24425	0
275564	1.13574	0	0.23734	0	0.32204	0
208026	1.16022	0	-0.50032	0	0.17507	0
267509	0.85133	0	0.03257	0	0.14962	0
222034	1.05449	0	0.02985	0	0.34369	0

Item Number	Parameters and Measures of Standard Error					
	a	SE (a)	b	SE (b)	c	SE (c)
234725	0.44978	0	0.64066	0	0.24261	0
234764	0.44349	0	-0.48712	0	0.24132	0
234810	1.00721	0	0.68336	0	0.37069	0
272915	1.45656	0	-0.31782	0	0.29415	0
273278	0.60001	0	-1.34034	0	0.17506	0
273279	1.59002	0	0.32874	0	0.2119	0
266393	0.97844	0	0.29209	0	0.36218	0
261006	0.81937	0	0.00245	0	0.30559	0
261023	0.73207	0	-1.26221	0	0.1683	0
273523	0.88372	0	-0.37058	0	0.30152	0
273526	0.52065	0	0.32511	0	0.26159	0
273529	1.6144	0	0.86327	0	0.26715	0
273539	1.02928	0	-0.39936	0	0.23918	0
273540	1.05528	0	-0.96924	0	0.15363	0
273541	1.24217	0	-0.95632	0	0.26485	0
273499	0.68457	0	1.12454	0	0.17224	0
273830	0.61774	0	-0.39671	0	0.10689	0
273818	1.49594	0	0.11642	0	0.22231	0

Table H-34. 2010 MCAS: IRT Parameters for Polytomous Items – High School Biology

Item Number	Parameters and Measures of Standard Error															
	a	SE (a)	b	SE (b)	c	SE (c)	D0	SE (D0)	D1	SE (D1)	D2	SE (D2)	D3	SE (D3)	D4	SE (D4)
279818	1.32463	0	0.69207	0	0	0	1.38195	0	0.4652	0	-0.57758	0	-1.26957	0	0	0
273513	1.04334	0	-0.07705	0	0	0	2.34074	0	0.46102	0	-0.83056	0	-1.9712	0	0	0
273817	0.79303	0	0.98205	0	0	0	1.37897	0	1.13532	0	-0.72765	0	-1.78664	0	0	0
266428	0.94295	0	-0.1013	0	0	0	1.70469	0	0.56663	0	-0.56269	0	-1.70863	0	0	0
260764	0.95308	0	0.64147	0	0	0	1.6903	0	0.54356	0	-0.54369	0	-1.69017	0	0	0

Table H-35. 2010 MCAS: IRT Parameters for Dichotomous Items – High School Chemistry

Item Number	Parameters and Measures of Standard Error					
	a	SE (a)	b	SE (b)	c	SE (c)
260767	1.48175	0	0.386	0	0.12427	0
260768	1.20295	0	0.10142	0	0.31892	0
260769	0.87356	0	0.75964	0	0.15811	0
260772	1.35175	0	0.61054	0	0.18611	0
260777	1.08461	0	0.77059	0	0.18565	0
229566	1.21399	0	-0.3807	0	0.14186	0
229591	1.62356	0	0.17767	0	0.19439	0
260761	0.94477	0	-0.77936	0	0.33646	0
260893	1.1261	0	0.66526	0	0.14851	0
260915	0.84292	0	1.12165	0	0.26798	0
264315	1.26435	0	0.84481	0	0.26091	0
258939	2.31786	0	-0.05612	0	0.24607	0
258961	0.56365	0	-0.00361	0	0.14412	0
258971	1.12607	0	1.08833	0	0.13283	0
252566	0.91076	0	-0.33791	0	0.27234	0
261656	1.14372	0	0.15975	0	0.23672	0
246701	0.8871	0	0.19871	0	0.23844	0
246716	1.60301	0	1.06097	0	0.28126	0
246818	1.11612	0	-0.09902	0	0.2476	0
260026	0.86671	0	0.46405	0	0.25136	0
271944	1.12263	0	0.61032	0	0.15482	0
281923	1.09738	0	0.06993	0	0.24828	0
273002	1.46862	0	0.73289	0	0.31031	0
273010	1.36419	0	-0.35065	0	0.20149	0
273199	1.15211	0	0.55179	0	0.13128	0
230393	1.17225	0	-0.13201	0	0.23821	0
230516	1.04642	0	0.91555	0	0.22256	0
229340	1.0541	0	-0.53132	0	0.15232	0
226409	0.8978	0	0.11125	0	0.20156	0
261454	1.35697	0	0.90255	0	0.19107	0
261460	1.19756	0	0.98716	0	0.26137	0
261468	1.09778	0	0.91704	0	0.19622	0

Item Number	Parameters and Measures of Standard Error					
	a	SE (a)	b	SE (b)	c	SE (c)
261054	0.95743	0	-0.0394	0	0.21849	0
261086	1.52505	0	0.73055	0	0.15899	0
261163	0.91791	0	0.49059	0	0.22673	0
261194	1.16461	0	1.1999	0	0.36151	0
244811	1.24803	0	-0.22965	0	0.19474	0
244825	1.19536	0	1.15371	0	0.20521	0
244924	1.15996	0	0.13591	0	0.25587	0
244941	0.81122	0	0.5785	0	0.23684	0

Table H-36. 2010 MCAS: IRT Parameters for Polytomous Items – High School Chemistry

Item Number	Parameters and Measures of Standard Error															
	a	SE (a)	b	SE (b)	c	SE (c)	D0	SE (D0)	D1	SE (D1)	D2	SE (D2)	D3	SE (D3)	D4	SE (D4)
245010	1.58915	0	0.49961	0	0	0	1.0372	0	0.22805	0	-0.23548	0	-1.02977	0	0	0
281964	1.43236	0	0.31229	0	0	0	1.02918	0	0.06224	0	-0.33246	0	-0.75895	0	0	0
268510	1.03954	0	1.04404	0	0	0	1.09716	0	0.38267	0	-0.27176	0	-1.20807	0	0	0
260789	1.03621	0	0.66067	0	0	0	2.133	0	0.60866	0	-0.49737	0	-2.24429	0	0	0
260798	1.23504	0	0.544	0	0	0	1.26573	0	0.81209	0	-0.75901	0	-1.31881	0	0	0

Table H-37. 2010 MCAS: IRT Parameters for Dichotomous Items – High School Introductory Physics

Item Number	Parameters and Measures of Standard Error					
	a	SE (a)	b	SE (b)	c	SE (c)
272794	0.94218	0	0.38016	0	0.40447	0
272802	1.25881	0	1.09781	0	0.19153	0
272804	0.73579	0	-1.02642	0	0.16976	0
272805	0.92382	0	-0.13653	0	0.24853	0
272815	0.82947	0	-0.65351	0	0.14046	0
272637	0.99413	0	0.71343	0	0.24379	0
272645	1.03169	0	-0.1103	0	0.35605	0
272655	1.04745	0	0.01031	0	0.3481	0
272657	1.00924	0	-1.01089	0	0.20015	0
272665	0.96731	0	0.02535	0	0.26493	0
272667	1.38446	0	0.3393	0	0.32116	0

Item Number	Parameters and Measures of Standard Error					
	a	SE (a)	b	SE (b)	c	SE (c)
272673	1.01409	0	-0.21363	0	0.27377	0
272678	1.34586	0	0.38549	0	0.49282	0
272680	0.84391	0	0.18618	0	0.12212	0
272683	0.79584	0	0.81611	0	0.3035	0
272687	0.64354	0	-0.96455	0	0.21495	0
272690	0.99807	0	-0.60682	0	0.17917	0
272694	0.49575	0	-0.55786	0	0.30318	0
272730	0.68111	0	1.05558	0	0.23365	0
272742	0.91624	0	0.45487	0	0.20129	0
272747	0.93543	0	-0.26248	0	0.30885	0
207946	0.8869	0	0.25802	0	0.22871	0
207983	0.49075	0	0.62489	0	0.24246	0
226734	0.7344	0	0.33745	0	0.29558	0
226762	0.80307	0	-0.62757	0	0.23743	0
226848	0.85347	0	0.16578	0	0.18901	0
246956	1.26183	0	0.59423	0	0.32773	0
252042	1.13255	0	-0.80479	0	0.25252	0
235442	1.08113	0	-0.28647	0	0.22582	0
281907	1.65923	0	-0.20419	0	0.27327	0
266481	0.61161	0	1.25049	0	0.18496	0
273435	1.01068	0	0.15288	0	0.26128	0
273445	1.09879	0	-0.09291	0	0.22703	0
273154	1.66468	0	0.95099	0	0.19043	0
226057	0.94376	0	0.30973	0	0.20527	0
230888	0.96545	0	1.25994	0	0.45034	0
261498	0.90141	0	-0.15639	0	0.1986	0
261138	1.13392	0	-0.34205	0	0.24722	0
261264	1.16395	0	1.05837	0	0.27251	0
206593	0.74396	0	0.46314	0	0.26869	0

Table H-38. 2010 MCAS: IRT Parameters for Polytomous Items – High School Introductory Physics

Item Number	Parameters and Measures of Standard Error															
	a	SE (a)	b	SE (b)	c	SE (c)	D0	SE (D0)	D1	SE (D1)	D2	SE (D2)	D3	SE (D3)	D4	SE (D4)
273424	1.18985	0	0.47255	0	0	0	1.41865	0	0.80401	0	-0.60281	0	-1.61985	0	0	0
258362	0.73436	0	0.54051	0	0	0	1.97982	0	0.57486	0	-0.68257	0	-1.87211	0	0	0
208480	1.18093	0	0.2034	0	0	0	1.12643	0	0.45793	0	-0.27002	0	-1.31434	0	0	0
280766	1.40454	0	0.53867	0	0	0	1.01928	0	0.34661	0	-0.17246	0	-1.19344	0	0	0
272823	1.04662	0	1.05259	0	0	0	1.49346	0	0.54777	0	-0.30647	0	-1.73476	0	0	0

Table H-39. 2010 MCAS: IRT Parameters for Dichotomous Items – High School Technology/Engineering

Item Number	Parameters and Measures of Standard Error					
	a	SE (a)	b	SE (b)	c	SE (c)
271589	1	0	-0.39229	0	0	0
271590	1	0	0.30498	0	0	0
208125	1	0	-0.05151	0	0	0
248607	1	0	-1.08034	0	0	0
246643	1	0	-1.37865	0	0	0
264190	1	0	-0.19353	0	0	0
260812	1	0	0.15071	0	0	0
268472	1	0	-0.12462	0	0	0
268478	1	0	0.19559	0	0	0
268479	1	0	0.18061	0	0	0
274574	1	0	-0.57232	0	0	0
274580	1	0	0.43666	0	0	0
274582	1	0	-0.33685	0	0	0
274603	1	0	-0.01618	0	0	0
274604	1	0	0.06638	0	0	0
274627	1	0	-1.36794	0	0	0
281931	1	0	-0.49327	0	0	0
281933	1	0	-0.42481	0	0	0
222047	1	0	0.29504	0	0	0
221994	1	0	-1.27346	0	0	0
273076	1	0	-0.15373	0	0	0

Item Number	Parameters and Measures of Standard Error					
	a	SE (a)	b	SE (b)	c	SE (c)
273077	1	0	-0.04044	0	0	0
273082	1	0	-0.53288	0	0	0
273100	1	0	-0.24382	0	0	0
273108	1	0	0.7216	0	0	0
273110	1	0	-0.2375	0	0	0
273136	1	0	-0.86381	0	0	0
273164	1	0	-0.38684	0	0	0
265136	1	0	0.36794	0	0	0
265152	1	0	0.15651	0	0	0
265169	1	0	0.14247	0	0	0
279922	1	0	0.33632	0	0	0
206612	1	0	-0.28296	0	0	0
206763	1	0	-0.72028	0	0	0
206765	1	0	-0.16269	0	0	0
209201	1	0	-0.44654	0	0	0
209219	1	0	-0.51702	0	0	0
209221	1	0	-1.01133	0	0	0
275785	1	0	0.03552	0	0	0
275790	1	0	-0.67468	0	0	0

Table H-40. 2010 MCAS: IRT Parameters for Polytomous Items – High School Technology/Engineering

Item Number	Parameters and Measures of Standard Error															
	a	SE (a)	b	SE (b)	c	SE (c)	D0	SE (D0)	D1	SE (D1)	D2	SE (D2)	D3	SE (D3)	D4	SE (D4)
265118	1	0	0.35277	0	0	0	0.81832	0	0.44392	0	-0.45075	0	-0.81148	0	0	0
274335	1	0	0.69503	0	0	0	1.58776	0	0.41562	0	-0.26574	0	-1.73764	0	0	0
274336	1	0	0.30117	0	0	0	1.11445	0	0.4406	0	-0.34186	0	-1.21319	0	0	0
271587	1	0	0.71436	0	0	0	1.86013	0	0.51444	0	-0.60928	0	-1.7653	0	0	0
221606	1	0	0.51176	0	0	0	0.71604	0	0.33395	0	-0.219	0	-0.83099	0	0	0