

APPENDIX G

ITEM-LEVEL CLASSICAL STATISTICS

**Table G-1. 2018 Next-Generation MCAS and MCAS-Alt Technical Report: Item-Level
Classical Test Theory Statistics – ELA Grade 3**

Item		N	Difficulty	Discrimination	Percent Omitted (%)
Number	Type				
EL298283	SR	67,698	0.65	0.58	0
EL298286	SR	67,795	0.77	0.38	0
EL298288	SR	24,782	0.74	0.39	0
EL298292	SR	67,709	0.92	0.37	0
EL298296	SR	67,709	0.85	0.35	0
EL298297	SR	42,917	0.64	0.31	0
EL298299	SR	67,704	0.76	0.36	0
EL298301	SR	24,780	0.72	0.37	0
EL298310	SR	67,706	0.84	0.52	0
EL313844	SR	67,817	0.80	0.49	0
EL313846	SR	67,816	0.76	0.32	0
EL313847	SR	67,817	0.76	0.48	0
EL313848	SR	67,815	0.81	0.46	0
EL313855	SR	67,813	0.60	0.41	0
EL313858	SR	67,815	0.91	0.40	0
EL313860	SR	42,956	0.68	0.31	0
EL313861	SR	24,858	0.63	0.34	0
EL313865	SR	24,858	0.68	0.34	0
EL313868#SCORE_TRAIT_Conv	ES	67,817	0.42	0.66	1
EL313868#SCORE_TRAIT_Ideadev	ES	67,817	0.33	0.62	1
EL627935375#SCORE_TRAIT_Conv	ES	67,817	0.30	0.61	1
EL627935375#SCORE_TRAIT_Ideadev	ES	67,817	0.20	0.57	1
EL625955796	SR	67,817	0.75	0.41	0
EL625956196	SR	24,859	0.54	0.30	0
EL625956672	SR	67,810	0.70	0.47	0
EL625957585	SR	67,809	0.89	0.48	0
EL625959562	SR	67,814	0.87	0.44	0
EL625959734	SR	67,817	0.76	0.29	0
EL625959920	SR	67,809	0.73	0.59	0
EL625961096	SR	42,951	0.78	0.31	0
EL625963791	CR	67,782	0.39	0.46	1
EL630945115	SR	24,859	0.70	0.42	0

**Table G-2. 2018 Next-Generation MCAS and MCAS-Alt Technical Report: Item-Level
Classical Test Theory Statistics – ELA Grade 4**

Item		N	Difficulty	Discrimination	Percent Omitted (%)
<i>Number</i>	<i>Type</i>				
EL302966	SR	69,940	0.86	0.32	0
EL302969	SR	982	0.70	0.41	0
EL302970	SR	68,928	0.86	0.51	0
EL302972	SR	69,917	0.74	0.38	0
EL302973	SR	69,912	0.65	0.47	0
EL302974	SR	69,917	0.83	0.48	0
EL302980	SR	69,921	0.79	0.45	0
EL302987	SR	982	0.81	0.35	0
EL302988	SR	69,914	0.68	0.37	0
EL302989#SCORE_TRAIT_Conv	ES	69,944	0.55	0.67	0
EL302989#SCORE_TRAIT_Ideadev	ES	69,944	0.46	0.66	0
EL628640246	SR	69,944	0.62	0.34	0
EL628643061	SR	69,944	0.84	0.31	0
EL628643362	SR	69,944	0.63	0.28	0
EL628645147	SR	69,944	0.57	0.32	0
EL628645478	SR	69,943	0.60	0.37	0
EL628646056	SR	984	0.44	0.22	0
EL628647312	SR	69,944	0.72	0.31	0
EL628657932	SR	68,959	0.83	0.40	0
EL629542750#SCORE_TRAIT_Conv	ES	69,944	0.59	0.68	0
EL629542750#SCORE_TRAIT_Ideadev	ES	69,944	0.40	0.62	0
EL629833749	SR	984	0.85	0.32	0
EL624329416	SR	984	0.73	0.40	0
EL624332108	SR	984	0.53	0.46	0
EL624332338	SR	69,944	0.87	0.39	0
EL624359745	SR	69,938	0.80	0.47	0
EL624360481	SR	69,944	0.83	0.38	0
EL624360683	SR	68,952	0.42	0.24	0
EL624361062	SR	69,942	0.74	0.47	0
EL624361333	SR	69,944	0.60	0.31	0
EL624361561	SR	69,941	0.92	0.40	0
EL624446590	CR	69,928	0.56	0.50	0

**Table G-3. 2018 Next-Generation MCAS and MCAS-Alt Technical Report: Item-Level
Classical Test Theory Statistics – ELA Grade 5**

Item		N	Difficulty	Discrimination	Percent Omitted (%)
<i>Number</i>	<i>Type</i>				
EL284424	SR	70,272	0.80	0.43	0
EL284427	SR	70,272	0.93	0.39	0
EL284432	SR	1,030	0.48	0.30	0
EL284484	SR	70,270	0.71	0.40	0
EL284488	SR	1,030	0.52	0.32	0
EL284490	SR	70,269	0.36	0.22	0
EL284523	SR	70,269	0.71	0.32	0
EL284530#SCORE_TRAIT_Conv	ES	70,272	0.55	0.71	1
EL284530#SCORE_TRAIT_Ideadev	ES	70,272	0.38	0.64	1
EL626255432	SR	70,246	0.79	0.47	0
EL626255823	SR	70,243	0.72	0.51	0
EL626260085	SR	70,240	0.68	0.43	0
EL626262358	SR	70,264	0.62	0.30	0
EL626262519	SR	1,028	0.68	0.48	0
EL626262851	SR	1,028	0.56	0.48	1
EL626264759	SR	70,251	0.69	0.59	0
EL626265443	SR	70,248	0.86	0.48	0
EL626266147#SCORE_TRAIT_Conv	ES	70,272	0.57	0.68	0
EL626266147#SCORE_TRAIT_Ideadev	ES	70,272	0.46	0.66	0
EL626266888	SR	69,209	0.86	0.51	0
EL626533969	SR	70,269	0.57	0.43	0
EL626540234	SR	69,239	0.67	0.39	0
EL626169480	SR	70,272	0.66	0.30	0
EL626170371	SR	70,271	0.85	0.50	0
EL626170867	SR	70,269	0.77	0.43	0
EL626171344	SR	70,267	0.83	0.48	0
EL626171796	SR	1,030	0.50	0.45	1
EL626172332	SR	1,030	0.53	0.36	1
EL626172796	SR	70,272	0.65	0.35	0
EL626173072	SR	70,267	0.67	0.36	0
EL626173921#SCORE_TRAIT_Conv	ES	70,272	0.52	0.73	0
EL626173921#SCORE_TRAIT_Ideadev	ES	70,272	0.40	0.72	0
EL626175705	SR	69,237	0.82	0.52	0

**Table G-4. 2018 Next-Generation MCAS and MCAS-Alt Technical Report: Item-Level
Classical Test Theory Statistics – ELA Grade 6**

Item		N	Difficulty	Discrimination	Percent Omitted (%)
<i>Number</i>	<i>Type</i>				
EL627062789	SR	69,098	0.64	0.20	0
EL627063711	SR	69,076	0.68	0.43	0
EL627064469	SR	69,080	0.72	0.49	0
EL627064661	SR	69,077	0.78	0.40	0
EL627065081	SR	69,108	0.52	0.35	0
EL627065237	SR	15,246	0.58	0.37	0
EL627065455	SR	69,083	0.77	0.47	0
EL627066612	SR	53,832	0.58	0.40	0
EL627067241	SR	15,249	0.65	0.28	0
EL627067637#SCORE_TRAIT_Conv	ES	69,137	0.53	0.75	1
EL627067637#SCORE_TRAIT_Ideadev	ES	69,137	0.33	0.73	1
EL627253389	SR	69,136	0.76	0.40	0
EL627254165	SR	69,137	0.81	0.32	0
EL627254309	SR	15,275	0.76	0.37	0
EL627254469	SR	15,275	0.51	0.26	0
EL627255060	SR	69,137	0.81	0.43	0
EL627255182	SR	69,134	0.80	0.50	0
EL627255694	SR	69,136	0.85	0.45	0
EL627256179	SR	53,859	0.61	0.42	0
EL627257199#SCORE_TRAIT_Conv	ES	69,137	0.57	0.75	1
EL627257199#SCORE_TRAIT_Ideadev	ES	69,137	0.36	0.72	1
EL628764235	SR	15,275	0.81	0.40	0
EL628764654	SR	69,137	0.56	0.32	0
EL628765334	SR	69,137	0.67	0.41	0
EL628766126	SR	69,137	0.73	0.44	0
EL628766509	SR	69,134	0.56	0.41	0
EL628767305	SR	53,860	0.81	0.46	0
EL628768042	SR	69,137	0.61	0.53	0
EL628770775	SR	15,275	0.71	0.55	0
EL628771242	SR	53,862	0.58	0.54	0
EL628771852#SCORE_TRAIT_Conv	ES	69,137	0.50	0.73	1
EL628771852#SCORE_TRAIT_Ideadev	ES	69,137	0.32	0.73	1
EL629775412	SR	69,136	0.62	0.45	0

Table G-5. 2018 Next-Generation MCAS and MCAS-Alt Technical Report: Item-Level Classical Test Theory Statistics – ELA Grade 7

Item		N	Difficulty	Discrimination	Percent Omitted (%)
Number	Type				
EL627032744	SR	2,602	0.73	0.49	0
EL627034110	SR	2,599	0.61	0.39	1
EL627034566	SR	68,848	0.66	0.50	0
EL627034918	SR	68,837	0.75	0.52	0
EL627035252	SR	68,857	0.49	0.39	0
EL627035505	SR	68,847	0.75	0.39	0
EL627048910	SR	68,845	0.75	0.47	0
EL627050085#SCORE_TRAIT_Conv	ES	68,865	0.73	0.75	1
EL627050085#SCORE_TRAIT_Ideadev	ES	68,865	0.47	0.74	1
EL627258734	SR	2,603	0.83	0.43	0
EL627259020	SR	66,262	0.80	0.36	0
EL627259700	SR	68,865	0.70	0.39	0
EL627260058	SR	2,603	0.76	0.45	0
EL627331625	SR	68,865	0.78	0.35	0
EL627331765	SR	2,603	0.88	0.43	0
EL627332007	SR	68,865	0.66	0.42	0
EL627332351	SR	68,865	0.72	0.40	0
EL627332976	SR	68,863	0.66	0.42	0
EL627333908#SCORE_TRAIT_Conv	ES	68,865	0.66	0.75	1
EL627333908#SCORE_TRAIT_Ideadev	ES	68,865	0.41	0.73	1
EL631647980	SR	68,838	0.79	0.32	0
EL631649042	SR	68,844	0.79	0.48	0
EL623767143	SR	2,603	0.81	0.47	0
EL623855429	SR	68,860	0.81	0.43	0
EL623855849	SR	68,860	0.45	0.24	0
EL623855990	SR	68,859	0.64	0.40	0
EL623856213	SR	68,865	0.73	0.50	0
EL623856592	SR	68,864	0.77	0.51	0
EL623857019	SR	68,860	0.79	0.42	0
EL623857453	SR	66,262	0.77	0.50	0
EL623857917	SR	66,260	0.87	0.53	0
EL623858620#SCORE_TRAIT_Conv	ES	68,865	0.57	0.77	1
EL623858620#SCORE_TRAIT_Ideadev	ES	68,865	0.35	0.75	1

**Table G-6. 2018 Next-Generation MCAS and MCAS-Alt Technical Report: Item-Level
Classical Test Theory Statistics – ELA Grade 8**

Item		N	Difficulty	Discrimination	Percent Omitted (%)
Number	Type				
EL627138987	SR	70,108	0.43	0.29	0
EL627139321	SR	69,277	0.86	0.46	0
EL627141054	SR	70,109	0.65	0.31	0
EL627141423	SR	70,109	0.51	0.29	0
EL627145619	SR	70,090	0.80	0.37	0
EL627146543	SR	70,091	0.72	0.36	0
EL627147516	SR	70,094	0.64	0.42	0
EL627148893	SR	70,108	0.78	0.33	0
EL627149306	SR	829	0.60	0.37	0
EL627149771	SR	70,110	0.77	0.39	0
EL627150027	SR	70,091	0.74	0.26	0
EL627151299	SR	70,104	0.65	0.32	0
EL627151569#SCORE_TRAIT_Conv	ES	70,109	0.66	0.75	1
EL627151569#SCORE_TRAIT_Ideadev	ES	70,109	0.44	0.74	1
EL627151647	SR	827	0.52	0.32	0
EL627151948	SR	70,089	0.43	0.30	0
EL627158993	SR	827	0.47	0.24	1
EL627159751	SR	69,259	0.54	0.49	0
EL627160756#SCORE_TRAIT_Conv	ES	70,109	0.73	0.77	1
EL627160756#SCORE_TRAIT_Ideadev	ES	70,109	0.46	0.76	1
EL627162870	SR	70,108	0.63	0.40	0
EL632756054	SR	829	0.49	0.45	0
EL312918	SR	70,109	0.88	0.38	0
EL312926	SR	70,109	0.41	0.35	0
EL312928	SR	829	0.45	0.39	1
EL312932	SR	70,108	0.71	0.35	0
EL312936	SR	828	0.75	0.34	1
EL312938	SR	70,108	0.69	0.44	0
EL312939	SR	70,107	0.77	0.43	0
EL312941#SCORE_TRAIT_Conv	ES	70,109	0.65	0.76	1
EL312941#SCORE_TRAIT_Ideadev	ES	70,109	0.41	0.74	1
EL630547677	SR	70,107	0.61	0.41	0
EL632604902	SR	69,275	0.72	0.50	0

Table G-7. 2018 Next-Generation MCAS and MCAS-Alt Technical Report: Item-Level Classical Test Theory Statistics – Mathematics Grade 3

Item		N	Difficulty	Discrimination	Percent Omitted (%)
Number	Type				
MA293499	SR	68,393	0.67	0.55	0
MA297413	SA	43,374	0.49	0.47	0
MA297496	SR	68,388	0.48	0.52	0
MA299999	SR	68,401	0.83	0.49	0
MA310879	SR	68,387	0.25	0.27	4
MA310888	SA	68,401	0.76	0.51	1
MA310893	SA	68,365	0.26	0.43	1
MA623068649	SR	43,376	0.37	0.37	1
M00028	SA	43,379	0.71	0.44	0
M03512	SA	43,383	0.56	0.52	0
MA212474	SR	25,012	0.76	0.50	1
MA227232	SR	68,396	0.71	0.54	0
MA252337	SR	25,016	0.88	0.40	0
MA287143	SR	68,312	0.55	0.49	0
MA293451	SR	25,016	0.33	0.41	0
MA293452	SR	68,401	0.78	0.49	0
MA293503A	CR	68,379	0.46	0.66	0
MA300728	SR	68,371	0.55	0.21	0
MA300737	SR	25,014	0.59	0.44	1
MA303411	SR	68,378	0.44	0.43	1
MA306309	SR	68,394	0.85	0.48	0
MA306369	SR	68,384	0.44	0.41	0
MA310835	SR	68,375	0.67	0.59	1
VH171898	CR	68,392	0.48	0.60	1
MA306315	SR	68,330	0.77	0.37	3
MA306337	SR	68,387	0.47	0.32	0
MA306346	SR	25,010	0.59	0.60	2
MA310885	SA	43,374	0.44	0.32	0
MA310886	SA	68,384	0.61	0.51	1
MA310892	SA	68,390	0.46	0.56	1
MA623045409	SA	43,357	0.31	0.59	0
MA623070758	SA	43,357	0.87	0.33	0
1749-M23082	CR	68,388	0.53	0.44	0
M00359	SR	43,376	0.85	0.40	0
M03644	SR	43,365	0.56	0.58	0
MA202992	SR	68,380	0.77	0.56	0
MA207015	SR	68,395	0.71	0.51	0
MA225833	SR	68,401	0.49	0.38	0
MA263115	SR	68,369	0.58	0.41	0
MA287131	SA	24,979	0.69	0.37	3
MA293456	SR	24,979	0.69	0.44	1
MA297454	SR	25,016	0.75	0.50	1
MA300045	SR	68,401	0.70	0.45	0
MA300727	SR	68,378	0.73	0.42	0
MA306302	SR	25,015	0.70	0.51	1
MA306343A	CR	68,371	0.52	0.66	0
MA306385	SA	68,332	0.75	0.40	0
MA310884	SA	68,398	0.60	0.58	1
MA314785	SR	68,376	0.40	0.25	0

Table G-8. 2018 Next-Generation MCAS and MCAS-Alt Technical Report: Item-Level Classical Test Theory Statistics – Mathematics Grade 4

Item		N	Difficulty	Discrimination	Percent Omitted (%)
Number	Type				
MA297975	SR	70,585	0.61	0.40	0
MA302483	SA	70,603	0.40	0.50	0
MA311544	SR	70,591	0.57	0.48	0
MA623833763	SR	69,558	0.63	0.56	0
MA623834761	SA	69,556	0.50	0.66	0
MA623835665	SR	69,545	0.46	0.58	0
0491-M02309	SA	70,590	0.69	0.54	0
M01841	SR	70,602	0.62	0.56	0
M03733	SR	69,554	0.84	0.46	1
MA221898	SA	70,589	0.66	0.47	0
MA227481	SR	70,609	0.89	0.34	0
MA247705	SR	70,592	0.55	0.43	0
MA258228	SA	70,612	0.80	0.42	0
MA281504	SR	70,612	0.81	0.47	0
MA286765	SR	1,053	0.59	0.41	1
MA286769	SR	70,598	0.78	0.49	0
MA297972	CR	70,602	0.61	0.70	0
MA297979	SR	70,609	0.54	0.59	0
MA297981	SR	1,052	0.30	0.10	0
MA299678	SR	70,602	0.63	0.37	0
MA302485	SR	1,053	0.74	0.24	0
MA307070	SR	1,052	0.39	0.47	0
MA311531	SR	1,053	0.26	0.42	0
MA311580	CR	70,608	0.51	0.67	0
VH055056	SR	69,537	0.57	0.59	0
MA253717	CR	70,609	0.73	0.57	0
MA293701	SR	70,592	0.56	0.46	0
MA307075	SR	1,053	0.72	0.41	0
MA307083	SR	1,053	0.61	0.35	1
MA311524	SR	70,611	0.36	0.39	0
MA311525	SR	70,576	0.72	0.40	0
MA311548	SR	1,052	0.31	0.58	1
MA311563	SA	70,586	0.39	0.56	0
MA311578	CR	70,601	0.44	0.67	0
MA623831598	SR	69,559	0.70	0.47	0
MA623851888	SA	69,557	0.25	0.45	0
0494-M02316	SR	70,587	0.64	0.71	0
M03207	SR	69,535	0.84	0.49	0
MA247687	SR	1,053	0.77	0.35	0
MA293686	SR	70,612	0.69	0.53	0
MA294563	SR	70,578	0.49	0.48	0
MA298081	SR	70,594	0.46	0.42	0
MA301814	SR	70,596	0.86	0.23	0
MA307023	SR	70,601	0.61	0.52	0
MA307077	SR	70,590	0.78	0.46	0
MA307079	SR	1,052	0.80	0.40	0
MA307321	SA	69,542	0.51	0.40	0
MA311566	SA	69,552	0.49	0.58	0
MA311569	SA	70,607	0.40	0.37	0
MA311570	SA	70,583	0.50	0.57	0

Table G-9. 2018 Next-Generation MCAS and MCAS-Alt Technical Report: Item-Level Classical Test Theory Statistics – Mathematics Grade 5

Item		N	Difficulty	Discrimination	Percent Omitted (%)
Number	Type				
MA298017	SR	71,009	0.53	0.54	0
MA301185	SA	71,030	0.55	0.54	0
MA624346092	SA	69,883	0.44	0.54	0
MA624346744	SR	69,865	0.47	0.61	0
MA624348324	SA	69,873	0.34	0.57	0
4510-M02866P	SR	71,013	0.60	0.60	0
M02482	SR	71,014	0.67	0.46	0
MA204722	SR	71,034	0.74	0.58	0
MA206953	SR	71,022	0.69	0.46	0
MA248875	SR	71,033	0.87	0.45	0
MA262105	SR	1,149	0.72	0.41	0
MA280474	SR	71,032	0.85	0.30	0
MA287189	SR	71,034	0.90	0.40	0
MA287413	SR	71,015	0.31	0.26	0
MA298005	CR	71,022	0.59	0.61	0
MA298034	SR	1,145	0.35	0.20	1
MA298107	SA	71,023	0.41	0.48	0
MA301160	SR	71,025	0.36	0.42	0
MA301165	SR	1,142	0.47	0.27	0
MA303751	SR	1,148	0.71	0.25	1
MA306414	SR	71,023	0.60	0.34	0
MA306431	SR	71,005	0.84	0.41	0
MA309659	CR	71,025	0.32	0.65	1
VF645556	SR	69,875	0.66	0.40	0
MA298021	SR	1,149	0.51	0.55	1
MA301175	SA	71,031	0.81	0.42	0
MA311282	SR	71,025	0.29	0.30	0
MA311284	SR	71,007	0.51	0.26	0
MA311306	SR	71,028	0.49	0.43	0
MA311361	CR	71,032	0.34	0.70	0
MA624345222	SR	69,867	0.48	0.54	0
MA624350711	SA	69,885	0.86	0.35	0
0393-M01852	SR	71,016	0.59	0.63	0
M00674	SR	69,866	0.68	0.53	0
M500039	SA	69,877	0.49	0.41	0
MA217317	SR	71,029	0.73	0.45	0
MA238613	SA	71,033	0.34	0.54	0
MA262140	SR	71,034	0.76	0.42	0
MA272886	SR	71,021	0.48	0.32	0
MA293831	SA	1,149	0.53	0.36	4
MA298111	SR	1,149	0.70	0.28	0
MA303315	SR	71,033	0.72	0.48	0
MA303746	SR	71,004	0.66	0.56	0
MA306408	SR	71,023	0.40	0.41	0
MA306430	SR	1,142	0.28	0.34	0
MA306447	SR	71,013	0.77	0.52	0
MA306458	SR	71,011	0.45	0.49	0
MA311352	CR	71,028	0.36	0.60	0

Table G-10. 2018 Next-Generation MCAS and MCAS-Alt Technical Report: Item-Level Classical Test Theory Statistics – Mathematics Grade 6

Item		N	Difficulty	Discrimination	Percent Omitted (%)
Number	Type				
MA296350	SR	69,751	0.60	0.51	0
MA298170	SR	69,743	0.30	0.44	0
MA307266	SA	54,353	0.35	0.58	0
MA307362	SA	69,706	0.72	0.57	0
MA307396	CR	69,725	0.33	0.74	1
MA624245199	SA	54,369	0.84	0.36	0
MA624247631	SR	54,369	0.58	0.58	0
MA624248796	SA	54,361	0.56	0.40	0
M20028	SA	54,385	0.72	0.45	0
MA226187	SR	69,751	0.88	0.46	0
MA251350	CR	69,740	0.47	0.77	1
MA272301	SR	69,713	0.45	0.44	0
MA282134	SR	69,687	0.59	0.44	0
MA282272	SR	15,360	0.87	0.44	0
MA298138	SA	69,732	0.36	0.54	1
MA298153	SR	15,366	0.74	0.48	1
MA299673	SA	15,355	0.62	0.50	1
MA307219	SA	69,748	0.82	0.46	0
MA307265	SR	15,325	0.70	0.49	0
MA307298	SR	15,360	0.38	0.26	0
MA307348	SR	69,700	0.64	0.46	0
MA307381	SA	15,349	0.20	0.44	3
MA308013	SR	69,741	0.74	0.45	0
MA309781	SA	69,736	0.19	0.41	0
VH009541	SA	69,702	0.53	0.68	0
VH150831	SR	54,365	0.73	0.41	0
MA249009	CR	69,744	0.61	0.71	0
MA301238	SA	69,739	0.58	0.56	0
MA307215	SR	69,749	0.94	0.30	0
MA307223	SA	69,737	0.69	0.53	1
MA307268	SR	69,751	0.83	0.47	0
MA311677	SR	69,751	0.75	0.42	0
MA311685	SR	15,365	0.60	0.34	0
MA624245446	SR	54,335	0.58	0.51	0
MA624247103	SR	54,368	0.56	0.54	0
MA624248238	SA	54,374	0.30	0.51	1
M22618	SR	54,355	0.83	0.47	0
M25890	SA	54,362	0.85	0.30	0
MA264285	SR	15,364	0.44	0.46	0
MA272300	SR	69,714	0.63	0.60	0
MA282262	SR	15,346	0.72	0.59	0
MA282332	SR	15,365	0.51	0.56	1
MA294266	SA	69,697	0.53	0.64	1
MA298169	SR	15,356	0.48	0.50	0
MA301221	SR	15,364	0.71	0.52	1
MA301235	SA	54,365	0.64	0.49	0
MA307332	SA	54,370	0.35	0.59	0
MA307333	SR	15,365	0.58	0.48	1
MA307341	SR	69,749	0.26	0.32	0
MA309780	SR	69,737	0.36	0.42	0
MA309782	CR	69,738	0.21	0.64	1
MA311689	SR	69,740	0.50	0.58	1
VH016546	SA	69,727	0.58	0.62	0

Table G-11. 2018 Next-Generation MCAS and MCAS-Alt Technical Report: Item-Level Classical Test Theory Statistics – Mathematics Grade 7

Item		N	Difficulty	Discrimination	Percent Omitted (%)
Number	Type				
MA295749	SR	69,452	0.45	0.50	0
MA306600	SR	5,914	0.81	0.47	0
MA306633	SR	69,467	0.52	0.41	0
MA623964597	SA	66,705	0.59	0.56	1
MA624051323	SR	66,702	0.51	0.55	0
1180-M21034P	SA	69,454	0.45	0.67	0
M21537	SA	66,693	0.78	0.50	0
M25176	SA	66,696	0.67	0.60	0
M25897	SA	66,680	0.80	0.45	0
MA219417	SR	69,469	0.52	0.53	0
MA272158	CR	69,477	0.51	0.73	0
MA281465	SR	69,424	0.48	0.48	0
MA281606	SR	2,772	0.51	0.63	0
MA281676	SR	69,458	0.45	0.32	0
MA282222	SR	69,478	0.68	0.46	0
MA296348	SR	2,773	0.50	0.52	0
MA298208	SR	2,773	0.44	0.46	0
MA301866	CR	69,462	0.34	0.66	2
MA304468	SR	69,463	0.64	0.39	0
MA306590	SR	69,477	0.64	0.50	0
MA306610	SA	69,439	0.43	0.54	0
MA306617	SR	69,477	0.31	0.30	0
MA309788	SR	2,773	0.79	0.38	0
MA311074	SR	69,441	0.38	0.32	0
MA311075	SA	69,457	0.56	0.63	0
MA302323	SR	69,467	0.45	0.48	0
MA306484	SR	69,454	0.33	0.03	0
MA306626	SR	69,465	0.52	0.29	0
MA311101	SA	69,426	0.10	0.41	1
MA311121	SR	69,459	0.31	0.23	0
MA623961417		66,680	0.32	0.50	0
MA623969728	SR	66,702	0.20	0.41	0
MA624050189	SA	66,678	0.26	0.48	1
1047-M20363P	SA	69,450	0.50	0.63	0
M21647	SR	66,693	0.58	0.51	0
MA205493	SR	69,478	0.74	0.54	0
MA259184	SR	2,771	0.71	0.51	0
MA261072	SR	69,477	0.31	0.24	0
MA272153	SR	2,769	0.57	0.58	0
MA272156	CR	69,470	0.42	0.75	1
MA282955	SR	2,770	0.47	0.55	0
MA296356	SR	69,433	0.37	0.48	0
MA301856	SA	2,772	0.14	0.56	6
MA303701		66,683	0.72	0.53	0
MA306639	SR	69,478	0.51	0.60	0
MA306640	CR	69,456	0.40	0.75	6
MA306644	SR	69,409	0.61	0.54	0
MA311088	SA	66,695	0.14	0.41	1
MA311108	SR	2,768	0.46	0.47	1
MA314787	SR	2,771	0.17	0.42	0
MA314788	SR	69,461	0.31	0.51	0

Table G-12. 2018 Next-Generation MCAS and MCAS-Alt Technical Report: Item-Level Classical Test Theory Statistics – Mathematics Grade 8

Item		N	Difficulty	Discrimination	Percent Omitted (%)
Number	Type				
MA624167782	SR	69,784	0.44	0.60	1
MA624237104	SA	69,791	0.61	0.60	1
1239-M21249P	SR	70,754	0.53	0.44	0
M25803	SR	69,798	0.68	0.47	0
MA219579	SR	977	0.79	0.35	1
MA228171	SA	70,787	0.39	0.53	0
MA260361	SR	70,791	0.82	0.35	0
MA264777	SR	976	0.65	0.43	1
MA283255	SR	976	0.48	0.45	0
MA283266	SR	70,754	0.62	0.50	0
MA287508	SR	70,790	0.67	0.49	0
MA287544	CR	70,786	0.61	0.74	1
MA297512	SR	70,731	0.43	0.42	0
MA297519	SR	70,778	0.63	0.54	0
MA297523	SR	70,788	0.43	0.38	0
MA299575	SR	70,748	0.62	0.57	0
MA301468	SR	70,775	0.37	0.35	0
MA303770	SR	70,751	0.42	0.33	0
MA303790	SA	70,783	0.22	0.47	1
MA307475	SR	977	0.44	0.34	1
MA311379	CR	70,765	0.48	0.76	1
MA311404	SR	70,768	0.42	0.41	0
MA311426	SR	70,746	0.37	0.27	0
VH311635	SA	69,787	0.68	0.59	0
MA624240477	SA	69,802	0.33	0.49	0
1603-M20438P	SR	70,773	0.61	0.59	0
M25373	SA	69,796	0.73	0.52	1
MA219677	SR	70,781	0.72	0.41	0
MA228148	SR	70,765	0.73	0.18	0
MA228313	SR	70,781	0.81	0.48	0
MA264725	SR	70,781	0.70	0.52	0
MA264788	SR	70,790	0.90	0.20	0
MA284198	SR	70,781	0.73	0.41	0
MA284880	SR	70,787	0.70	0.43	0
MA284914	SR	979	0.60	0.48	1
MA287762	SR	70,771	0.41	0.45	0
MA296753	SA	70,781	0.69	0.49	0
MA298048	SR	979	0.30	0.21	0
MA301689	SR	70,765	0.46	0.42	0
MA307421	SR	977	0.35	0.38	1
MA307585	SR	70,791	0.82	0.42	0
MA307594	SR	70,762	0.60	0.28	0
MA307608	CR	70,780	0.47	0.79	2
MA309741	SA	70,770	0.42	0.52	1
MA311428	SR	70,789	0.54	0.46	0
MA311437	CR	70,784	0.49	0.66	1
VH195056	SA	69,797	0.85	0.45	1

Table G-13. 2018 Next-Generation MCAS and MCAS-Alt Technical Report: Item-Level Classical Test Theory Statistics – ELA—Alt

Grade	Item		Difficulty	Discrimination
	Number	Type		
3	comp1	CR	0.59	0.36
	comp2	CR	0.59	0.37
	comp3	CR	0.59	0.42
	ind1	CR	0.95	0.45
	ind2	CR	0.95	0.54
	ind3	CR	0.87	0.46
	sk1	CR	0.98	0.28
	sk2	CR	0.97	0.38
	sk3	CR	0.55	0.54
4	comp1	CR	0.59	0.38
	comp2	CR	0.59	0.35
	comp3	CR	0.59	0.39
	ind1	CR	0.96	0.47
	ind2	CR	0.95	0.49
	ind3	CR	0.86	0.44
	sk1	CR	0.97	0.32
	sk2	CR	0.97	0.35
	sk3	CR	0.56	0.53
5	comp1	CR	0.60	0.28
	comp2	CR	0.59	0.27
	comp3	CR	0.59	0.30
	ind1	CR	0.97	0.38
	ind2	CR	0.96	0.48
	ind3	CR	0.89	0.41
	sk1	CR	0.97	0.33
	sk2	CR	0.97	0.42
	sk3	CR	0.59	0.54
6	comp1	CR	0.59	0.27
	comp2	CR	0.59	0.28
	comp3	CR	0.59	0.33
	ind1	CR	0.96	0.40
	ind2	CR	0.96	0.51
	ind3	CR	0.89	0.48
	sk1	CR	0.98	0.31
	sk2	CR	0.97	0.39
	sk3	CR	0.58	0.53
7	comp1	CR	0.59	0.36
	comp2	CR	0.59	0.38
	comp3	CR	0.59	0.45
	ind1	CR	0.97	0.50
	ind2	CR	0.97	0.49
	ind3	CR	0.90	0.48
	sk1	CR	0.98	0.26
	sk2	CR	0.97	0.34
	sk3	CR	0.60	0.56

continued

Grade	Item		Difficulty	Discrimination
	Number	Type		
8	comp1	CR	0.59	0.38
	comp2	CR	0.59	0.33
	comp3	CR	0.59	0.41
	ind1	CR	0.96	0.42
	ind2	CR	0.96	0.45
	ind3	CR	0.90	0.46
	sk1	CR	0.97	0.37
	sk2	CR	0.97	0.34
	sk3	CR	0.59	0.54
	HS	comp1	CR	0.59
comp2		CR	0.59	0.41
comp3		CR	0.59	0.43
ind1		CR	0.96	0.52
ind2		CR	0.95	0.46
ind3		CR	0.89	0.44
sk1		CR	0.97	0.34
sk2		CR	0.96	0.48
sk3		CR	0.60	0.47

Table G-14. 2018 Next-Generation MCAS and MCAS-Alt Technical Report: Item-Level Classical Test Theory Statistics – Mathematics—Alt

Grade	Item		Difficulty	Discrimination
	Number	Type		
3	comp1	CR	0.59	0.48
	comp3	CR		
	comp5	CR	0.59	0.47
	ind1	CR	0.95	0.77
	ind3	CR		
	ind5	CR	0.95	0.76
	sk1	CR	0.98	0.61
	sk3	CR		
	sk5	CR	0.97	0.59
4	comp1	CR	0.59	0.45
	comp2	CR		
	comp3	CR	0.59	0.47
	ind1	CR	0.94	0.74
	ind2	CR		
	ind3	CR	0.94	0.72
	sk1	CR	0.97	0.63
	sk2	CR		
	sk3	CR	0.97	0.56
5	comp2	CR	0.59	0.44
	comp3	CR	0.59	0.50
	ind2	CR	0.96	0.72
	ind3	CR	0.96	0.70
	sk2	CR	0.97	0.55
	sk3	CR	0.97	0.55
6	comp1	CR	0.59	0.54
	comp2	CR	0.59	0.55
	ind1	CR	0.96	0.71
	ind2	CR	0.95	0.70
	sk1	CR	0.98	0.50
	sk2	CR	0.98	0.53
7	comp1	CR	0.59	0.58
	comp4	CR	0.59	0.5
	ind1	CR	0.96	0.75
	ind4	CR	0.96	0.73
	sk1	CR	0.98	0.54
	sk4	CR	0.98	0.60
8	comp2	CR	0.59	0.48
	comp3	CR		
	comp4	CR	0.59	0.42
	ind2	CR	0.96	0.70
	ind3	CR		
	ind4	CR	0.96	0.66
	sk2	CR	0.98	0.52
	sk3	CR		
	sk4	CR	0.97	0.54

continued

Grade	Item		Difficulty	Discrimination
	Number	Type		
HS	comp1	CR	0.59	0.44
	comp2	CR	0.59	0.29
	comp3	CR	0.59	0.31
	comp4	CR	0.59	0.15
	comp5	CR	0.59	0.35
	ind1	CR	0.95	0.51
	ind2	CR	0.95	0.37
	ind3	CR	0.97	0.37
	ind4	CR	0.95	0.40
	ind5	CR	0.95	0.44
	sk1	CR	0.96	0.39
	sk2	CR	0.96	0.35
	sk3	CR	0.98	0.33
	sk4	CR	0.96	0.56
	sk5	CR	0.98	0.33

Table G-15. 2018 Next-Generation MCAS and MCAS-Alt Technical Report: Item-Level Classical Test Theory Statistics – Science—Alt

Grade	Item		Difficulty	Discrimination	
	Number	Type			
5	comp1	CR	0.59	0.28	
	comp2	CR	0.59	0.27	
	comp3	CR	0.60	0.16	
	comp4	CR	0.59	0.32	
	ind1	CR	0.96	0.48	
	ind2	CR	0.97	0.50	
	ind3	CR	0.97	0.49	
	ind4	CR	0.97	0.54	
	sk1	CR	0.98	0.29	
	sk2	CR	0.98	0.33	
	sk3	CR	0.97	0.39	
	sk4	CR	0.98	0.23	
	8	comp1	CR	0.59	0.24
		comp2	CR	0.59	0.25
comp3		CR	0.59	0.31	
comp4		CR	0.59	0.24	
ind1		CR	0.96	0.47	
ind2		CR	0.97	0.47	
ind3		CR	0.97	0.42	
ind4		CR	0.98	0.41	
sk1		CR	0.97	0.39	
sk2		CR	0.98	0.36	
sk3	CR	0.97	0.37		
sk4	CR	0.97	0.36		

Table G-16. 2018 Next-Generation MCAS and MCAS-Alt Technical Report: Item-Level Classical Test Theory Statistics – Biology—Alt

Item		Difficulty	Discrimination
Number	Type		
comp1	CR	0.59	0.19
comp2	CR	0.59	0.21
comp3	CR	0.59	0.22
comp4	CR		
ind1	CR	0.94	0.49
ind2	CR	0.95	0.46
ind3	CR	0.95	0.52
ind4	CR		
sk1	CR	0.97	0.37
sk2	CR	0.97	0.36
sk3	CR	0.97	0.36
sk4	CR		

Table G-17. 2018 Next-Generation MCAS and MCAS-Alt Technical Report: Item-Level Classical Test Theory Statistics – Chemistry—Alt

Item		Difficulty	Discrimination
Number	Type		
comp1	CR	0.60	0.16
comp2	CR	0.60	0.16
comp3	CR	0.59	0.33
ind1	CR	0.94	0.41
ind2	CR	0.96	0.20
ind3	CR	0.93	0.33
sk1	CR	0.97	0.41
sk2	CR	0.98	0.20
sk3	CR	0.97	0.32

Table G-18. 2018 Next-Generation MCAS and MCAS-Alt Technical Report: Item-Level Classical Test Theory Statistics – Physics—Alt

Item		Difficulty	Discrimination
Number	Type		
comp1	CR	0.60	0.39
comp2	CR	0.60	0.34
comp3	CR	0.60	0.36
comp4	CR		
ind1	CR	0.91	0.51
ind2	CR	0.89	0.56
ind3	CR	0.93	0.40
ind4	CR		
sk1	CR	0.94	0.43
sk2	CR	0.95	0.33
sk3	CR	0.94	0.48
sk4	CR		

Table G-19. 2018 Next-Generation MCAS and MCAS-Alt Technical Report: Item-Level Classical Test Theory Statistics – Tech/Engineering—Alt

Item		Difficulty	Discrimination
<i>Number</i>	<i>Type</i>		
comp1	CR	0.58	0.37
comp2	CR	0.59	0.27
comp3	CR	0.58	0.37
ind1	CR	0.94	0.47
ind2	CR	0.94	0.58
ind3	CR	0.93	0.51
sk1	CR	0.94	0.40
sk2	CR	0.96	0.42
sk3	CR	0.93	0.43