

APPENDIX F

INTERRATER CONSISTENCY

Table F-1. Item-Level Interrater Consistency Statistics by Grade—ELA

Grade	Item	Psych Item#	Number of		Percent		Correlation	% Third Score*	LW Kappa
			Score Categories	Responses Scored Twice	Exact	Adjacent			
3	EL293264#SCORE_TRAIT_Conv	IA01288A	4	6,606	69.66	29.56	0.83	1.45	0.712
	EL293264#SCORE_TRAIT_Ideadev	IA01288D	5	6,606	67.26	31.59	0.83	1.45	0.701
	EL708642952	IA01512	4	6,626	73.32	26.44	0.83	0.24	0.723
	EL715954244#SCORE_TRAIT_Conv	IA01919A	4	6,612	78.49	21.28	0.71	0.74	0.615
	EL715954244#SCORE_TRAIT_Ideadev	IA01919D	5	6,612	81.55	17.85	0.74	0.74	0.665
4	EL707254137#SCORE_TRAIT_Conv	IA01444A	4	6,724	68.95	29.94	0.74	2.14	0.627
	EL707254137#SCORE_TRAIT_Ideadev	IA01444D	5	6,724	68.87	29.64	0.72	2.14	0.600
	EL710438990#SCORE_TRAIT_Conv	IA01657A	4	6,849	73.16	26.11	0.84	1.55	0.739
	EL710438990#SCORE_TRAIT_Ideadev	IA01657D	5	6,849	66.30	32.49	0.83	1.55	0.696
	EL712438196	IA01724	4	6,883	75.69	23.99	0.81	0.32	0.705
5	EL624182427#SCORE_TRAIT_Conv	IA01350A	4	7,041	67.56	31.71	0.77	1.69	0.644
	EL624182427#SCORE_TRAIT_Ideadev	IA01350D	5	7,041	69.35	29.37	0.81	1.69	0.693
	EL709062207#SCORE_TRAIT_Conv	IA01549A	4	7,028	65.89	32.60	0.79	2.79	0.642
	EL709062207#SCORE_TRAIT_Ideadev	IA01549D	5	7,028	65.20	32.54	0.80	2.79	0.618
	EL709229186#SCORE_TRAIT_Conv	IA01587A	4	7,084	76.40	23.14	0.88	1.41	0.769
6	EL709229186#SCORE_TRAIT_Ideadev	IA01587D	5	7,084	69.34	29.31	0.90	1.41	0.776
	EL707351199#SCORE_TRAIT_Conv	IA01448A	4	7,003	74.84	24.75	0.87	1.78	0.772
	EL707351199#SCORE_TRAIT_Ideadev	IA01448D	6	7,003	66.07	32.43	0.88	1.78	0.751
	EL710355409#SCORE_TRAIT_Conv	IA01649A	4	7,094	66.56	32.21	0.81	2.55	0.681
	EL710355409#SCORE_TRAIT_Ideadev	IA01649D	6	7,094	68.25	29.95	0.83	2.55	0.710
	EL712756190#SCORE_TRAIT_Conv	IA01744A	4	7,035	71.80	26.78	0.84	2.89	0.726
7	EL712756190#SCORE_TRAIT_Ideadev	IA01744D	6	7,035	66.81	30.86	0.86	2.89	0.707
	EL285797#SCORE_TRAIT_Conv	IA01268A	4	6,933	70.07	29.93	0.79	0.00	0.674
	EL285797#SCORE_TRAIT_Ideadev	IA01268D	6	6,933	70.68	29.32	0.80	0.00	0.676
	EL707935717#SCORE_TRAIT_Conv	IA01494A	4	6,965	73.48	25.99	0.86	1.48	0.741
	EL707935717#SCORE_TRAIT_Ideadev	IA01494D	6	6,965	66.59	32.40	0.87	1.48	0.727
	EL714343909#SCORE_TRAIT_Conv	IA01884A	4	6,864	72.73	26.43	0.88	1.82	0.769
EL714343909#SCORE_TRAIT_Ideadev	IA01884D	6	6,864	65.78	33.00	0.91	1.82	0.762	

continued

Grade	Item	Psych Item#	Number of		Percent		Correlation	% Third Score*	LW Kappa
			Score Categories	Responses Scored Twice	Exact	Adjacent			
8	EL709130565#SCORE_TRAIT_Conv	IA01568A	4	6,916	79.81	19.68	0.88	2.26	0.796
	EL709130565#SCORE_TRAIT_Ideadev	IA01568D	6	6,916	65.82	31.97	0.88	2.26	0.731
	EL709184717#SCORE_TRAIT_Conv	IA01583A	4	6,921	74.06	24.98	0.84	2.10	0.732
	EL709184717#SCORE_TRAIT_Ideadev	IA01583D	6	6,921	67.04	31.45	0.86	2.10	0.719
	EL714447652#SCORE_TRAIT_Conv	IA01899A	4	6,767	68.44	31.12	0.82	2.11	0.698
	EL714447652#SCORE_TRAIT_Ideadev	IA01899D	6	6,767	65.85	32.29	0.86	2.11	0.729
10	EL700561282#SCORE_TRAIT_Conv	IA01407A	4	69,217	74.42	24.77	0.82	1.80	0.709
	EL700561282#SCORE_TRAIT_Ideadev	IA01407D	6	69,217	64.33	34.27	0.84	1.80	0.703
	EL713447252#SCORE_TRAIT_Conv	IA01785A	4	69,931	75.39	23.71	0.81	2.31	0.700
	EL713447252#SCORE_TRAIT_Ideadev	IA01785D	6	69,931	62.89	35.23	0.83	2.31	0.686

**For ELA items, percentages of exact, adjacent and third score do not sum exactly to 100%. This is because resolutions are done by item and it is entirely possible that only one trait on a writing item has a non-adjacent score. For instance, if the idea development score is non-adjacent the conventions would also receive the third score, even if the conventions does not have a non-adjacent score.*

Table F-2. Item-Level Interrater Consistency Statistics by Grade—Mathematics

Grade	Item	Psych Item#	Number of		Percent		Correlation	% Third Score	LW Kappa
			Score Categories	Responses Scored Twice	Exact	Adjacent			
3	MA283013A	IA02160	4	6,764	91.50	7.48	0.95	1.02	0.92
	MA703084007	IA02687	4	6,597	92.92	6.88	0.96	0.20	0.926
	MA703131543	IA02688	4	6,766	84.33	13.11	0.91	2.56	0.851
	MA724333304	IA02960	4	6,625	96.08	3.83	0.98	0.09	0.969
4	MA293812	IA04568	5	7,005	86.21	12.59	0.94	1.18	0.882
	MA307317	IA02457	5	7,018	83.78	14.86	0.92	1.35	0.861
	MA311583	IA02591	5	6,989	91.46	8.23	0.96	0.31	0.931
	MA713939739	IA02895	5	6,869	83.53	14.57	0.93	1.89	0.87
5	MA280511	IA04525	5	7,229	80.22	18.59	0.93	1.19	0.852
	MA303765	IA04631	5	7,160	86.82	12.01	0.96	1.17	0.915
	MA306457	IA02397	5	7,106	90.63	8.94	0.98	0.44	0.943
	MA715102462	IA02929	5	7,181	86.62	12.42	0.95	0.96	0.9
6	MA290253	IA04565	5	7,111	88.51	11.21	0.97	0.28	0.922
	MA703251109	IA02705	5	7,129	86.69	12.62	0.95	0.69	0.899
	MA703253363	IA02706	5	7,058	84.12	14.22	0.95	1.66	0.895
	MA713935781	IA02894	5	6,986	90.24	9.40	0.98	0.36	0.941
7	MA302339	IA04616	5	6,937	86.68	12.67	0.96	0.65	0.904
	MA306566	IA04642	5	6,730	80.18	18.50	0.94	1.32	0.862
	MA703943771	IA02723	5	6,993	92.72	6.58	0.98	0.70	0.951
	MA715009326	IA02910	5	7,081	92.29	7.63	0.97	0.08	0.944
8	MA301680	IA04611	5	6,981	91.75	8.22	0.97	0.03	0.935
	MA311433	IA04717	5	6,859	81.62	18.38	0.94	0.00	0.866
	MA704872840	IA02765	5	6,853	91.33	8.64	0.98	0.03	0.946
10	MA285498	IA04546	5	68,897	85.82	13.31	0.97	0.88	0.916
	MA294702	IA04574	5	69,832	82.27	16.89	0.94	0.84	0.872
	MA298055	IA04586	5	68,573	93.67	6.12	0.97	0.21	0.949
	MA713808123	IA02855	5	69,222	83.90	15.66	0.94	0.44	0.871

Table F-3. Item-Level Interrater Consistency Statistics—STE

Grade	Item	Psych Item#	Number of		Percent		Correlation	% Third Score	LW Kappa
			Score Categories	Responses Scored Twice	Exact	Adjacent			
5	SC626958463	IA03144	3	7,277	76.69	22.99	0.69	0.32	0.628
	SC626964014	IA03146	4	7,321	66.26	31.32	0.78	2.46	0.657
	SC629275027	IA03158	4	7,367	76.69	22.06	0.78	1.25	0.694
	SC706151588	IA03259	4	7,182	77.15	21.65	0.87	1.20	0.783
	SC717447439	IA03300	4	7,221	69.20	28.97	0.77	1.84	0.658
8	SC315862	IA03110	4	7,047	79.64	19.37	0.85	0.99	0.767
	SC633167889	IA03243	4	6,937	86.19	13.64	0.90	0.17	0.843
	SC709749768	IA03271	4	7,109	79.01	20.20	0.86	0.79	0.783
	SC725332664	IA03379	3	7,251	70.24	28.30	0.66	1.46	0.579

Table F-4. Item-Level Interrater Consistency Statistics—Alt/ELA

Grade	Item	Number of		Percent		Correlation	% Third Score*
		Score Categories	Responses Scored Twice	Exact	Adjacent		
3	comp1	5	145	100.00	0.00	1.00	0.69
	comp2	5	147	99.32	0.68	0.94	0.68
	comp3	5	145	97.24	1.38	0.85	10.34
	ind1	4	138	99.28	0.72	0.97	0.72
	ind2	4	131	99.24	0.76	0.98	1.53
	ind3	4	132	99.24	0.76	0.99	3.03
	sk1	4	138	100.00	0.00	1.00	0.72
	sk2	4	131	98.47	1.53	0.91	2.29
	sk3	4	132	97.73	2.27	0.99	3.03
4	comp1	5	197	99.49	0.51	0.94	0.51
	comp2	5	200	98.50	1.50	0.85	1.50
	comp3	5	199	97.49	2.51	0.85	10.05
	ind1	4	186	98.92	1.08	0.98	2.15
	ind2	4	172	98.84	1.16	0.98	1.16
	ind3	4	191	97.91	2.09	0.97	8.90
	sk1	4	186	98.92	1.08	0.94	2.15
	sk2	4	172	99.42	0.58	0.97	1.16
	sk3	4	191	92.15	5.76	0.91	8.90
5	comp1	5	212	99.06	0.47	0.80	0.94
	comp2	5	214	99.07	0.93	0.94	1.40
	comp3	5	213	94.84	1.88	0.52	12.68
	ind1	4	196	98.47	1.53	0.97	1.53
	ind2	4	180	98.89	1.11	0.98	1.11
	ind3	4	189	98.41	1.59	0.98	5.29
	sk1	4	196	99.49	0.51	0.98	1.53
	sk2	4	180	100.00	0.00	1.00	0.00
	sk3	4	189	94.18	5.29	0.96	6.88
6	comp1	5	160	99.38	0.63	0.81	0.63
	comp2	5	161	100.00	0.00	1.00	0.00
	comp3	5	159	96.23	0.00	0.66	13.21
	ind1	4	149	99.33	0.67	0.98	0.67
	ind2	4	126	99.21	0.79	0.98	0.79

continued

Grade	Item	Number of		Percent		Correlation	% Third Score*
		Score Categories	Responses Scored Twice	Exact	Adjacent		
6	ind3	4	133	97.74	2.26	0.97	6.77
	sk1	4	149	100.00	0.00	1.00	0.00
	sk2	4	126	100.00	0.00	1.00	0.00
	sk3	4	133	93.23	4.51	0.92	8.27
7	comp1	5	461	98.92	0.43	0.79	1.30
	comp2	5	463	99.35	0.65	0.93	0.65
	comp3	5	462	96.97	2.38	0.82	12.55
	ind1	4	398	98.74	1.26	0.98	2.51
	ind2	4	359	98.05	1.95	0.96	2.79
	ind3	4	416	97.60	2.40	0.98	6.97
	sk1	4	398	98.74	1.26	0.93	2.51
	sk2	4	359	98.61	1.39	0.95	2.23
	sk3	4	416	94.71	4.57	0.95	8.17
8	comp1	5	146	99.32	0.68	0.92	0.68
	comp2	5	146	99.32	0.68	0.92	0.68
	comp3	5	147	95.24	0.68	0.48	8.16
	ind1	4	135	99.26	0.74	0.96	0.74
	ind2	4	121	99.17	0.83	0.97	0.83
	ind3	4	130	98.46	1.54	0.99	3.08
	sk1	4	135	100.00	0.00	1.00	0.74
	sk2	4	121	99.17	0.83	0.96	1.65
	sk3	4	130	96.15	2.31	0.94	5.38
10	comp1	5	226	100.00	0.00	1.00	0.00
	comp2	5	226	99.56	0.00	0.81	0.88
	comp3	5	227	96.92	0.88	0.67	14.10
	ind1	4	205	98.05	1.95	0.95	1.95
	ind2	4	178	98.31	1.69	0.95	1.69
	ind3	4	203	96.55	3.45	0.98	9.36
	sk1	4	205	99.51	0.49	0.98	1.46
	sk2	4	178	100.00	0.00	1.00	1.12
	sk3	4	203	95.57	3.45	0.96	10.34

*The percentages of exact agreement, adjacent agreement and third score do not necessarily sum to 1 due to the scoring rules. The most prevalent case is when a strand contains a score of “M” (indicating a required component is missing/incomplete) within a rubric area. Any instance of an “M” by scorer 1 or 2 must be confirmed by an expert scorer (scorer 3). Even if scorer 1 and 2 both agree on an “M”, the third scorer would still provide a confirmation or overturning score. The third scorer will also review strands at random to provide oversight on a particular scorer or even portfolios that are of interest.

Table F-5. Item-Level Interrater Consistency Statistics—Alt/Mathematics

Grade	Item	Number of		Percent		Correlation	% Third Score*
		Score Categories	Responses Scored Twice	Exact	Adjacent		
3	comp1	5	146	97.26	2.05	0.74	2.74
	comp5	5	146	98.63	1.37	0.88	1.37
	ind1	4	127	96.85	3.15	0.93	3.15
	ind5	4	136	99.26	0.74	0.98	1.47
	sk1	4	127	98.43	1.57	0.94	2.36
	sk5	4	136	99.26	0.74	0.97	0.74
4	comp1	5	194	99.48	0.52	0.95	0.52
	comp3	5	193	98.45	1.55	0.90	1.55
	ind1	4	171	98.25	1.75	0.98	2.34
	ind3	4	176	99.43	0.57	0.99	0.57
	sk1	4	171	99.42	0.58	0.97	1.17
	sk3	4	176	100.00	0.00	1.00	0.57
5	comp2	5	211	98.58	1.42	0.91	1.42
	comp3	5	211	98.58	0.95	0.84	1.42
	ind2	4	183	98.91	1.09	0.98	2.19
	ind3	4	179	99.44	0.56	0.99	0.56
	sk2	4	183	97.81	2.19	0.90	2.73
	sk3	4	179	99.44	0.56	0.98	1.12
6	comp1	5	157	100.00	0.00	1.00	0.64
	comp2	5	159	99.37	0.00	0.81	0.63
	ind1	4	143	98.60	1.40	0.98	2.10
	ind2	4	140	100.00	0.00	1.00	0.00
	sk1	4	143	99.30	0.70	0.96	1.40
	sk2	4	140	100.00	0.00	1.00	0.00
7	comp1	5	468	98.72	0.85	0.88	2.35
	comp4	5	468	99.15	0.00	0.76	1.50
	ind1	4	408	98.77	1.23	0.98	2.21
	ind4	4	385	98.70	1.04	0.95	2.60
	sk1	4	408	99.51	0.49	0.97	1.96
	sk4	4	385	98.70	1.30	0.95	2.86

continued

Grade	Item	Number of		Percent		Correlation	% Third Score*
		Score Categories	Responses Scored Twice	Exact	Adjacent		
8	comp2	5	151	98.68	0.66	0.79	1.32
	comp4	5	151	98.01	0.00	0.69	2.65
	ind2	4	135	98.52	1.48	0.96	1.48
	ind4	4	127	100.00	0.00	1.00	0.00
	sk2	4	135	98.52	1.48	0.95	2.22
	sk4	4	127	99.21	0.79	0.97	0.79
10	comp1	5	58	100.00	0.00	1.00	0.00
	comp2	5	192	98.96	0.52	0.80	1.04
	comp3	5	154	98.70	0.65	0.78	1.30
	comp4	5	164	99.39	0.61	0.96	1.83
	comp5	5	118	98.31	0.85	0.75	1.69
	ind1	4	54	100.00	0.00	1.00	3.70
	ind2	4	165	98.79	1.21	0.96	1.82
	ind3	4	142	99.30	0.70	0.99	2.11
	ind4	4	139	98.56	1.44	0.96	2.88
	ind5	4	89	97.75	2.25	0.92	3.37
	sk1	4	54	98.15	1.85	0.93	3.70
	sk2	4	165	98.79	1.21	0.95	2.42
	sk3	4	142	97.89	2.11	0.89	2.82
	sk4	4	139	98.56	1.44	0.95	1.44
	sk5	4	89	97.75	2.25	0.92	3.37

**The percentages of exact agreement, adjacent agreement and third score do not necessarily sum to 1 due to the scoring rules. The most prevalent case is when a strand contains a score of "M" (indicating a required component is missing/incomplete) within a rubric area. Any instance of an "M" by scorer 1 or 2 must be confirmed by an expert scorer (scorer 3). Even if scorer 1 and 2 both agree on an "M", the third scorer would still provide a confirmation or overturning score. The third scorer will also review strands at random to provide oversight on a particular scorer or even portfolios that are of interest.*

Table F-6. Item-Level Interrater Consistency Statistics—Alt/STE

Grade	Item	Number of		Percent		Correlation	% Third Score*
		Score Categories	Responses Scored Twice	Exact	Adjacent		
5	comp1	5	190	98.95	1.05	0.95	1.05
	comp2	5	191	98.43	1.57	0.92	1.57
	comp3	5	176	97.73	2.27	0.87	2.27
	comp4	5	34	100.00	0.00	1.00	0.00
	ind1	4	165	98.18	1.82	0.98	2.42
	ind2	4	159	97.48	2.52	0.98	2.52
	ind3	4	147	98.64	1.36	0.99	2.04
	ind4	4	27	100.00	0.00	1.00	0.00
	sk1	4	165	99.39	0.61	0.98	0.61
	sk2	4	159	100.00	0.00	1.00	0.63
	sk3	4	147	98.64	1.36	0.93	2.04
	sk4	4	27	100.00	0.00	1.00	0.00
	8	comp1	5	125	100.00	0.00	1.00
comp2		5	123	100.00	0.00	1.00	0.00
comp3		5	110	100.00	0.00	1.00	0.00
comp4		5	53	100.00	0.00	1.00	0.00
ind1		4	110	97.27	2.73	0.97	2.73
ind2		4	111	99.10	0.90	0.99	0.90
ind3		4	97	100.00	0.00	1.00	0.00
ind4		4	46	97.83	2.17	0.97	2.17
sk1		4	110	100.00	0.00	1.00	1.82
sk2		4	111	100.00	0.00	1.00	0.00
sk3		4	97	100.00	0.00	1.00	0.00
sk4		4	46	97.83	2.17	0.93	2.17

*The percentages of exact agreement, adjacent agreement and third score do not necessarily sum to 1 due to the scoring rules. The most prevalent case is when a strand contains a score of “M” (indicating a required component is missing/incomplete) within a rubric area. Any instance of an “M” by scorer 1 or 2 must be confirmed by an expert scorer (scorer 3). Even if scorer 1 and 2 both agree on an “M”, the third scorer would still provide a confirmation or overturning score. The third scorer will also review strands at random to provide oversight on a particular scorer or even portfolios that are of interest.

Table F-7. Item-Level Interrater Consistency Statistics—Alt/Biology

Grade	Item	Number of		Percent		Correlation	% Third Score*
		Score Categories	Responses Scored Twice	Exact	Adjacent		
HS	comp1	5	152	98.68	0.66	0.73	1.97
	comp2	5	149	97.99	0.67	0.55	2.01
	comp3	5	149	99.33	0.00	0.84	1.34
	ind1	4	133	99.25	0.75	0.98	1.50
	ind2	4	122	98.36	1.64	0.94	1.64
	ind3	4	130	100.00	0.00	1.00	0.00
	sk1	4	133	98.50	1.50	0.94	1.50
	sk2	4	122	100.00	0.00	1.00	0.82
	sk3	4	130	97.69	2.31	0.92	2.31

*The percentages of exact agreement, adjacent agreement and third score do not necessarily sum to 1 due to the scoring rules. The most prevalent case is when a strand contains a score of “M” (indicating a required component is missing/incomplete) within a rubric area. Any instance of an “M” by scorer 1 or 2 must be confirmed by an expert scorer (scorer 3). Even if scorer 1 and 2 both agree on an “M”, the third scorer would still provide a confirmation or overturning score. The third scorer will also review strands at random to provide oversight on a particular scorer or even portfolios that are of interest.

Table F-8. Item-Level Interrater Consistency Statistics—Alt/Chemistry

Grade	Item	Number of		Percent		Correlation	% Third Score*
		Score Categories	Responses Scored Twice	Exact	Adjacent		
HS	comp1	5	11	100.00	0.00		0.00
	comp2	5	11	100.00	0.00		0.00
	comp3	5	11	100.00	0.00		0.00
	ind1	4	10	100.00	0.00		0.00
	ind2	4	9				
	ind3	4	10	100.00	0.00	1.00	0.00
	sk1	4	10	100.00	0.00	1.00	0.00
	sk2	4	9				
	sk3	4	10	100.00	0.00	1.00	0.00

*The percentages of exact agreement, adjacent agreement and third score do not necessarily sum to 1 due to the scoring rules. The most prevalent case is when a strand contains a score of “M” (indicating a required component is missing/incomplete) within a rubric area. Any instance of an “M” by scorer 1 or 2 must be confirmed by an expert scorer (scorer 3). Even if scorer 1 and 2 both agree on an “M”, the third scorer would still provide a confirmation or overturning score. The third scorer will also review strands at random to provide oversight on a particular scorer or even portfolios that are of interest.

Table F-9. Item-Level Interrater Consistency Statistics—Alt/Introductory Physics

Grade	Item	Number of		Percent		Correlation	% Third Score*
		Score Categories	Responses Scored Twice	Exact	Adjacent		
HS	comp1	5	12	100.00	0.00		0.00
	comp2	5	12	100.00	0.00		0.00
	comp3	5	12	100.00	0.00		0.00
	ind1	4	12	100.00	0.00	1.00	0.00
	ind2	4	12	100.00	0.00	1.00	0.00
	ind3	4	12	100.00	0.00	1.00	0.00
	sk1	4	12	100.00	0.00	1.00	0.00
	sk2	4	12	100.00	0.00	1.00	0.00
	sk3	4	12	100.00	0.00	1.00	0.00

**The percentages of exact agreement, adjacent agreement and third score do not necessarily sum to 1 due to the scoring rules. The most prevalent case is when a strand contains a score of “M” (indicating a required component is missing/incomplete) within a rubric area. Any instance of an “M” by scorer 1 or 2 must be confirmed by an expert scorer (scorer 3). Even if scorer 1 and 2 both agree on an “M”, the third scorer would still provide a confirmation or overturning score. The third scorer will also review strands at random to provide oversight on a particular scorer or even portfolios that are of interest.*

Table F-10. Item-Level Interrater Consistency Statistics—Alt/Technology/Engineering

Grade	Item	Number of		Percent		Correlation	% Third Score*
		Score Categories	Responses Scored Twice	Exact	Adjacent		
HS	comp1	5	22	100.00	0.00	1.00	0.00
	comp2	5	21	100.00	0.00		0.00
	comp3	5	21	100.00	0.00		0.00
	ind1	4	20	95.00	5.00	0.84	5.00
	ind2	4	18	100.00	0.00	1.00	0.00
	ind3	4	18	100.00	0.00	1.00	0.00
	sk1	4	20	100.00	0.00	1.00	5.00
	sk2	4	18	100.00	0.00	1.00	0.00
	sk3	4	18	100.00	0.00	1.00	0.00

**The percentages of exact agreement, adjacent agreement and third score do not necessarily sum to 1 due to the scoring rules. The most prevalent case is when a strand contains a score of “M” (indicating a required component is missing/incomplete) within a rubric area. Any instance of an “M” by scorer 1 or 2 must be confirmed by an expert scorer (scorer 3). Even if scorer 1 and 2 both agree on an “M”, the third scorer would still provide a confirmation or overturning score. The third scorer will also review strands at random to provide oversight on a particular scorer or even portfolios that are of interest.*

Table F-11. Item-level Proportion of Exact Agreement By Score Points

Subject	Grade	Item	Max Score	Score Point					
				0	1	2	3	4	5
ELA	3	EL293264#SCORE_TRAIT_Conv	3	75.70	71.30	61.00	76.90		
		EL293264#SCORE_TRAIT_Ideadev	4	75.80	72.00	66.10	55.90	50.40	
		EL708642952	3	85.40	68.20	74.00	41.60		
		EL715954244#SCORE_TRAIT_Conv	3	49.20	86.40	65.80	58.80		
		EL715954244#SCORE_TRAIT_Ideadev	4	70.60	89.00	64.90	49.20	46.20	
	4	EL707254137#SCORE_TRAIT_Conv	3	72.00	75.10	62.10	54.80		
		EL707254137#SCORE_TRAIT_Ideadev	4	57.70	78.40	63.40	45.20	32.70	
		EL710438990#SCORE_TRAIT_Conv	3	78.20	74.40	65.80	78.30		
		EL710438990#SCORE_TRAIT_Ideadev	4	77.80	57.40	71.70	62.10	70.60	
		EL712438196	3	87.10	64.90	81.20	58.90		
	5	EL624182427#SCORE_TRAIT_Conv	3	55.90	71.40	66.80	66.90		
		EL624182427#SCORE_TRAIT_Ideadev	4	80.80	74.80	67.20	57.00	42.40	
		EL709062207#SCORE_TRAIT_Conv	3	59.70	68.90	55.20	89.10		
		EL709062207#SCORE_TRAIT_Ideadev	4	65.50	71.90	56.20	51.90	68.80	
		EL709229186#SCORE_TRAIT_Conv	3	91.40	79.00	64.20	80.50		
		EL709229186#SCORE_TRAIT_Ideadev	4	88.90	41.80	80.00	63.50	49.50	
	6	EL707351199#SCORE_TRAIT_Conv	3	69.50	81.50	64.80	80.70		
		EL707351199#SCORE_TRAIT_Ideadev	5	66.30	77.40	70.10	55.20	42.00	74.90
		EL710355409#SCORE_TRAIT_Conv	3	71.40	61.10	62.10	74.70		
		EL710355409#SCORE_TRAIT_Ideadev	5	91.50	79.30	68.90	57.70	40.60	39.30
		EL712756190#SCORE_TRAIT_Conv	3	67.00	67.80	65.90	93.50		
		EL712756190#SCORE_TRAIT_Ideadev	5	66.00	69.30	68.00	59.80	61.60	80.90
	7	EL285797#SCORE_TRAIT_Conv	3	59.20	69.20	72.70	71.70		
		EL285797#SCORE_TRAIT_Ideadev	5	58.60	76.40	74.00	55.10	36.90	16.70
		EL707935717#SCORE_TRAIT_Conv	3	75.30	60.30	61.40	94.70		
		EL707935717#SCORE_TRAIT_Ideadev	5	72.90	72.30	68.20	61.80	54.20	65.00
		EL714343909#SCORE_TRAIT_Conv	3	70.50	57.30	66.60	91.20		
		EL714343909#SCORE_TRAIT_Ideadev	5	75.60	55.70	70.50	59.00	59.90	80.50
8	EL709130565#SCORE_TRAIT_Conv	3	84.30	59.40	76.90	90.90			
	EL709130565#SCORE_TRAIT_Ideadev	5	70.30	70.50	76.10	53.80	52.00	83.00	
	EL709184717#SCORE_TRAIT_Conv	3	62.20	59.80	69.30	90.60			
	EL709184717#SCORE_TRAIT_Ideadev	5	68.30	70.80	70.50	62.00	59.00	62.80	
	EL714447652#SCORE_TRAIT_Conv	3	73.80	67.70	62.90	74.10			
	EL714447652#SCORE_TRAIT_Ideadev	5	92.90	69.70	63.50	54.70	45.90	21.40	

continued

Subject	Grade	Item	Max Score	Score Point					
				0	1	2	3	4	5
ELA	10	EL700561282#SCORE_TRAIT_Conv	3	57.90	61.50	66.30	85.80		
		EL700561282#SCORE_TRAIT_Ideadev	5	53.70	67.50	69.60	61.50	63.20	30.60
		EL713447252#SCORE_TRAIT_Conv	3	63.80	57.30	63.90	86.30		
		EL713447252#SCORE_TRAIT_Ideadev	5	62.20	62.20	66.60	64.20	61.60	27.70
Mathematics	3	MA283013A	3	95.80	92.60	65.50	92.80		
		MA703084007	3	96.10	92.50	82.20	91.40		
		MA703131543	3	93.20	81.60	52.90	83.60		
		MA724333304	3	96.50	93.90	94.80	98.10		
	4	MA293812	4	86.50	77.60	92.00	72.10	87.90	
		MA307317	4	88.80	68.70	82.70	83.20	96.10	
		MA311583	4	94.60	96.90	89.80	86.70	80.30	
		MA713939739	4	83.70	61.90	72.30	83.20	93.90	
	5	MA280511	4	83.50	70.00	79.80	83.50	89.20	
		MA303765	4	92.60	79.00	89.90	68.40	90.60	
		MA306457	4	94.60	84.20	79.80	85.30	96.90	
		MA715102462	4	88.90	81.80	87.30	77.00	93.60	
	6	MA290253	4	91.30	86.20	88.00	77.30	96.20	
		MA703251109	4	91.30	74.30	69.80	88.90	95.10	
		MA703253363	4	92.60	77.10	71.30	79.50	92.90	
		MA713935781	4	97.00	86.70	81.20	85.60	94.30	
	7	MA302339	4	94.40	88.20	82.90	81.80	90.10	
		MA306566	4	92.70	73.30	66.20	71.10	76.00	
		MA703943771	4	96.80	89.20	87.70	90.90	93.70	
		MA715009326	4	95.30	92.80	92.90	93.00	87.30	
8	MA301680	4	97.10	93.60	87.60	87.80	90.50		
	MA311433	4	96.60	86.70	72.10	73.00	85.00		
	MA704872840	4	96.20	90.20	84.50	78.80	95.80		
10	MA285498	4	93.10	74.30	70.30	77.70	95.10		
	MA294702	4	92.40	86.30	73.30	73.30	88.30		
	MA298055	4	95.80	93.90	93.10	92.00	93.10		
	MA713808123	4	92.50	79.70	78.20	87.30	73.80		
STE	5	SC626958463	2	70.70	75.30	79.20			
		SC626964014	3	83.50	62.60	61.20	68.80		
		SC629275027	3	86.80	74.60	49.00	55.70		
		SC706151588	3	90.50	71.80	69.10	65.30		
		SC717447439	3	78.40	67.50	69.80	61.60		

continued

Subject	Grade	Item	Max Score	Score Point					
				0	1	2	3	4	5
STE	8	SC315862	3	89.40	74.80	65.60	66.80		
		SC631744146_PA	3	92.20	93.30	83.30	75.00		
		SC633167889	3	91.40	87.20	78.80	75.30		
		SC709749768	3	88.30	77.30	77.60	77.10		
		SC725332664	2	76.80	68.20	58.80			

Table F-12. Item-level Validity Statistics—ELA Grade 3

UIN	Trait	Ncat	Stat	Overall Exact Agreement	Agreement by Score Point				
					0	1	2	3	4
EL293264	Conventions	4	N	3,559	1,042	1,378	464	675	0
			Percent	92.19	94.71	93.07	81.38	93.91	NA
	Idea Development	5	N	3,559	976	1,444	464	247	428
			Percent	90.14	95.66	94.16	82.49	62.41	88.33
EL308855	Overall	3	N	174	50	116	8	0	0
			Percent	93.62	100	90.43	100	NA	NA
EL308857	Overall	4	N	174	61	86	0	27	0
			Percent	85.48	94.74	98.84	NA	22	NA
EL626052459	Conventions	4	N	126	47	66	6	7	0
			Percent	86.61	85.19	91.02	67	71.43	NA
	Idea Development	5	N	126	32	81	6	2	5
			Percent	85.71	93.62	87.68	67	0	60
EL708642952	Overall	4	N	4194	1247	1,600	1177	170	0
			Percent	88.97	94.13	87.55	86.78	79.67	NA
EL715954244	Conventions	4	N	3794	321	2,437	911	125	0
			Percent	89.83	69.15	96.72	80.38	77.62	NA
	Idea Development	4	N	3812	325	2,451	911	125	0
			Percent	90.63	90.4	96.65	77.6	68.08	NA

Table F-13. Item-level Validity Statistics—ELA Grade 4

UIN	Trait	Ncat	Stat	Overall Exact Agreement	Agreement by Score Point				
					0	1	2	3	4
EL307728	Overall	3	N	231	100	120	11	0	0
			Percent	89.85	87.86	90.58	100	NA	NA
EL307729	Overall	4	N	217	70	102	30	15	0
			Percent	81.63	80.01	87.42	90	33	NA
EL624655949	Conventions	4	N	190	55	61	71	3	0
			Percent	84.26	87.31	85.16	81.86	67	NA
	Idea Development	4	N	190	56	60	65	9	0
			Percent	86.33	94.7	84.77	86.37	44.33	NA
EL707254137	Conventions	4	N	3851	295	1,807	1,260	489	0
			Percent	88.09	88.73	91.69	84.81	82.84	NA
	Idea Development	5	N	3851	164	1,938	1,260	317	172
			Percent	87.65	87.61	93.83	84.3	67.78	79.17
EL710438990	Conventions	4	N	3474	1,191	807	870	606	0
			Percent	87.93	93.35	89.48	81.49	84.48	NA
	Idea Development	5	N	3475	1,191	807	871	356	250
			Percent	82.77	86.04	86.6	82.62	66.89	77.98
EL712438196	Overall	4	N	3964	532	907	1,439	1,086	0
			Percent	84.5	96.26	82.86	83.78	81.07	NA

Table F-14. Item-level Validity Statistics—ELA Grade 5

UIN	Trait	Ncat	Stat	Overall Exact Agreement	Agreement by Score Point				
					0	1	2	3	4
EL624182427	Conventions	4	N	3,905	670	848	1,285	1,102	0
			Percent	88.53	90.62	91.91	85.91	87.72	NA
	Idea Development	5	N	3,905	548	998	1,257	582	520
			Percent	85.87	99.07	92.47	86.03	76.52	69.35
EL626356806	Conventions	4	N	202	67	49	84	2	0
			Percent	89.08	91.04	87.63	88.1	100	NA
	Idea Development	4	N	202	57	59	84	2	0
			Percent	86.51	80.7	91.34	86.74	100	NA
EL709062207	Conventions	4	N	3,652	811	1,710	545	586	0
			Percent	84.99	86.72	89.62	78.56	75.1	NA
	Idea Development	5	N	3,652	615	1,906	545	507	79
			Percent	84.87	82.42	95.05	78.26	61.81	52.13
EL709229186	Conventions	4	N	3,658	565	1,688	539	866	0
			Percent	89.47	91.61	89.92	81.09	92.42	NA
	Idea Development	5	N	3,658	1,414	839	539	308	558
			Percent	87.24	94.02	90.07	82.57	65.58	82.3

Table F-15. Item-level Validity Statistics—ELA Grade 6

UIN	Trait	Ncat	Stat	Overall Exact Agreement	Agreement by Score Point					
					0	1	2	3	4	5
EL303519	Conventions	4	N	186	24	76	43	43	0	0
			Percent	92.47	100	90.74	90.6	93.21	NA	NA
	Idea Development	5	N	186	24	76	43	36	7	0
			Percent	89.8	75	96.13	88.16	91.89	71	NA
EL626869132	Conventions	4	N	185	44	40	44	57	0	0
			Percent	93.07	97.77	90.08	86.48	96.63	NA	NA
	Idea Development	6	N	185	29	55	44	21	21	15
			Percent	91.41	100	98.2	84.23	85.9	80.86	93.4
EL707351199	Conventions	4	N	3791	815	799	697	1480	0	0
			Percent	86.48	88.13	86.18	78.42	89.53	NA	NA
	Idea Development	6	N	3791	555	949	834	737	539	177
			Percent	84.31	93.68	93.97	81.52	83.35	64.33	81.21
EL710355409	Conventions	4	N	4098	2104	788	487	719	0	0
			Percent	85.84	89.45	88.36	64.32	87.07	NA	NA
	Idea Development	6	N	4098	1119	1813	419	357	266	124
			Percent	86.87	98.5	94.28	71.38	66.15	47.53	70.15
EL712756190	Conventions	4	N	3782	624	1252	868	1038	0	0
			Percent	90.54	93.96	91.67	86.45	90.53	NA	NA
	Idea Development	6	N	3785	723	1156	841	521	255	289
			Percent	86.98	89.53	92.44	89.34	77.16	70.77	83.83

Table F-16. Item-level Validity Statistics—ELA Grade 7

UIN	Trait	Ncat	Stat	Overall Exact Agreement	Agreement by Score Point					
					0	1	2	3	4	5
EL285797	Conventions	4	N	3832	1406	1795	417	214	0	0
			Percent	92.96	97.4	91.61	88.64	83.64	NA	NA
	Idea Development	5	N	3843	1406	1806	417	166	48	0
			Percent	92.73	93.42	95.38	89.82	75.27	58.23	NA
EL292181	Conventions	4	N	184	147	0	0	37	0	0
			Percent	96.2	97.96	NA	NA	89.19	NA	NA
	Idea Development	5	N	184	101	46	0	26	11	0
			Percent	95.09	99.01	95.57	NA	88.38	73	NA
EL628749729	Conventions	4	N	259	55	30	85	89	0	0
			Percent	96.95	100	90.17	96.51	97.78	NA	NA
	Idea Development	6	N	259	62	23	85	18	22	49
			Percent	96.03	96.73	96	96.51	94	95	95.57
EL707935717	Conventions	4	N	3685	1628	863	379	815	0	0
			Percent	92.31	95.71	90.94	85.25	90.25	NA	NA
	Idea Development	6	N	3685	1397	1094	379	527	184	104
			Percent	88.33	93.81	91.61	88.18	86.35	58.04	44.27
EL714343909	Conventions	4	N	3575	1411	406	875	883	0	0
			Percent	83.69	86.51	78.19	73.45	91.87	NA	NA
	Idea Development	6	N	3575	1218	588	870	645	183	71
			Percent	86.19	94.91	90.09	87.83	71.53	64.61	73.14

Table F-17. Item-level Validity Statistics—ELA Grade 8

UIN	Trait	Ncat	Stat	Overall Exact Agreement	Agreement by Score Point					
					0	1	2	3	4	5
EL290818	Conventions	4	N	202	32	61	36	73	0	0
			Percent	87.71	97	87.05	64	95.89	NA	NA
	Idea Development	6	N	202	48	45	36	38	18	17
			Percent	86.67	98	91.33	69.56	91.79	83	71
EL623953378	Conventions	4	N	189	50	43	43	53	0	0
			Percent	85.18	90.08	83.81	85.79	81.17	NA	NA
	Idea Development	6	N	189	50	43	43	33	13	7
			Percent	80.49	90.08	84.09	85.79	69.76	77	14.29
EL709130565	Conventions	4	N	3475	1351	604	461	1059	0	0
			Percent	90.94	96.67	84.51	78.35	92.77	NA	NA
	Idea Development	6	N	3475	1295	660	461	530	286	243
			Percent	83.84	97.05	86.03	76.12	85.52	51.11	56.97
EL709184717	Conventions	4	N	3502	506	718	895	1383	0	0
			Percent	87.41	90.57	88.31	84.61	87.59	NA	NA
	Idea Development	6	N	3505	277	947	895	847	350	189
			Percent	82.24	78.49	94.14	86.74	80.76	56.96	60.26
EL714447652	Conventions	4	N	3860	1378	1837	470	175	0	0
			Percent	84.76	89.58	84.76	72.06	81.03	NA	NA
	Idea Development	5	N	3860	1915	1300	470	107	68	0
			Percent	90.23	95.79	92.24	72.98	67.38	50.07	NA

Table F-18. Item-level Validity Statistics—Mathematics Grade 3

UIN	Trait	Ncat	Stat	Overall Exact Agreement	Agreement by Score Point			
					0	1	2	3
MA283013A	Overall	4	N	2379	505	791	442	641
			Percent	95.21	99.46	93.72	89.4	97.72
MA623654449	Overall	4	N	80	30	30	0	20
			Percent	95.02	96.73	90	NA	100
MA623656013	Overall	4	N	77	34	16	9	18
			Percent	90.91	100	56.25	100	100
MA703084007	Overall	4	N	1746	565	588	219	374
			Percent	97.32	98.27	97.98	89.87	99.2
MA703131543	Overall	4	N	1742	550	504	244	444
			Percent	93.07	93.61	93.89	85.91	95.42
MA724333304	Overall	4	N	2392	503	668	669	552
			Percent	98.33	100	97.95	96.2	99.84

Table F-19. Item-level Validity Statistics—Mathematics Grade 4

UIN	Trait	Ncat	Stat	Overall Exact Agreement	Agreement by Score Point				
					0	1	2	3	4
MA250543	Overall	5	N	84	24	19	9	7	25
			Percent	77.52	96	84.42	78	43	64.04
MA293812	Overall	5	N	1850	333	369	527	369	252
			Percent	92.32	97.88	84.85	94.7	89.96	94.43
MA307317	Overall	5	N	1851	211	238	507	370	525
			Percent	95.25	100	84.86	94.01	94.51	99.76
MA311581	Overall	5	N	84	11	19	21	18	15
			Percent	85.7	90.73	84.21	76.29	94.44	86.6
MA311583	Overall	5	N	2468	397	569	551	363	588
			Percent	97.61	98.87	97.56	98.21	93.58	98.74
MA713939739	Overall	5	N	2125	432	333	550	400	410
			Percent	88.59	93.83	70.4	83.54	94.9	98.48

Table F-20. Item-level Validity Statistics—Mathematics Grade 5

UIN	Trait	Ncat	Stat	Overall Exact Agreement	Agreement by Score Point				
					0	1	2	3	4
MA280511	Overall	5	N	1838	241	336	332	357	572
			Percent	88.76	92.5	81.52	90.78	85.71	92.18
MA303765	Overall	5	N	2197	448	518	548	161	522
			Percent	96.86	97.69	95.81	97.09	94.99	97.51
MA306457	Overall	5	N	2508	631	248	213	520	896
			Percent	95.75	98.72	95.14	82.63	94.53	97.64
MA311354	Overall	5	N	84	16	6	18	22	22
			Percent	89.29	100	66.67	72.22	90.91	100
MA311366	Overall	5	N	83	15	20	31	9	8
			Percent	97.59	100	100	93.55	100	100
MA715102462	Overall	5	N	1847	141	153	599	442	512
			Percent	96.2	100	92.01	97.3	91.47	99.21

Table F-21. Item-level Validity Statistics—Mathematics Grade 6

UIN	Trait	Ncat	Stat	Overall Exact Agreement	Agreement by Score Point				
					0	1	2	3	4
MA290253	Overall	5	N	1859	267	261	652	252	427
			Percent	97.15	96.18	97.72	98.95	90.14	98.81
MA298139	Overall	5	N	59	19	5	17	13	5
			Percent	94.9	100	100	94	84.69	100
MA307339	Overall	5	N	62	9	10	15	16	12
			Percent	96.73	100	100	86.47	100	100
MA703251109	Overall	5	N	2334	200	274	101	814	945
			Percent	96.72	96.11	90.92	87.83	97.48	98.84
MA703253363	Overall	5	N	1839	378	378	362	343	378
			Percent	96.11	99.71	94.11	91.53	95.73	99.25
MA713935781	Overall	5	N	2450	503	496	459	497	495
			Percent	95.08	97.97	91.16	92.73	97.33	96.01

Table F-22. Item-level Validity Statistics—Mathematics Grade 7

UIN	Trait	Ncat	Stat	Overall Exact Agreement	Agreement by Score Point				
					0	1	2	3	4
MA298077	Overall	5	N	68	13	10	25	17	3
			Percent	86.87	100	90.4	88.24	70.41	100
MA302339	Overall	5	N	2334	196	536	639	448	515
			Percent	91.91	99.01	93.59	87.42	91.94	93
MA306566	Overall	5	N	2102	354	442	395	458	453
			Percent	90.36	98.24	89.62	82.76	94.28	87.57
MA316886	Overall	5	N	68	15	7	11	26	9
			Percent	94.15	93.47	85.43	100	92.38	100
MA703943771	Overall	5	N	1806	347	314	380	400	365
			Percent	95.8	98.23	94.96	92.29	97.85	95.61
MA715009326	Overall	5	N	1805	220	412	416	471	286
			Percent	96.28	99.12	98.21	97.62	92.19	96.07

Table F-23. Item-level Validity Statistics—Mathematics Grade 8

UIN	Trait	Ncat	Stat	Overall Exact Agreement	Agreement by Score Point				
					0	1	2	3	4
MA297652	Overall	5	N	69	19	5	12	16	17
			Percent	98.58	100	100	91.83	100	100
MA301485	Overall	5	N	38	7	0	18	5	8
			Percent	89.47	100	NA	100	20	100
	Part B	4	N	1779	478	400	430	471	0
			Percent	97.34	99.79	91.11	97.51	100	NA
MA301680	Overall	5	N	2323	420	508	549	378	468
			Percent	93.13	96.37	95.63	93.42	80.46	97.42
MA311433	Overall	5	N	1842	416	410	318	314	384
			Percent	91.66	99.06	96.64	79.65	86.31	92.68
MA314812	Overall	5	N	69	15	2	13	22	17
			Percent	97.1	100	100	100	90.91	100
MA704872840	Overall	5	N	2359	391	554	334	466	614
			Percent	96.93	99.24	93.88	97.03	97.17	97.99