

APPENDIX H
INTERRATER CONSISTENCY

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

Grade	Item	Number of Score Categories	Number of Responses Scored Twice	Percent Exact	Percent Adjacent	Correlation	LW Kappa
3	EL308855	4	240	75.00	23.75	0.77	0.69
	EL308857	4	241	72.61	27.39	0.79	0.68
	EL626052459#SCORE_TRAIT_Conv	4	236	66.10	32.63	0.59	0.48
	EL626052459#SCORE_TRAIT_Ideadev	5	236	77.97	19.07	0.70	0.65
	EL835251909	4	6,173	73.16	25.61	0.69	0.60
	EL912362165#SCORE_TRAIT_Conv	4	5,697	74.32	25.14	0.79	0.68
	EL912362165#SCORE_TRAIT_Ideadev	5	5,697	75.13	23.26	0.86	0.74
4	EL307728	4	248	77.02	22.58	0.78	0.70
	EL307729	4	247	71.66	27.13	0.73	0.63
	EL624655949#SCORE_TRAIT_Conv	4	248	67.34	31.05	0.78	0.65
	EL624655949#SCORE_TRAIT_Ideadev	5	248	74.19	21.77	0.84	0.73
	EL800957624	4	6,409	70.40	28.54	0.79	0.68
	EL909132428#SCORE_TRAIT_Conv	4	6,227	73.37	26.05	0.83	0.72
	EL909132428#SCORE_TRAIT_Ideadev	5	6,227	70.11	28.55	0.86	0.74
5	EL626356806#SCORE_TRAIT_Conv	4	237	68.35	29.11	0.73	0.63
	EL626356806#SCORE_TRAIT_Ideadev	5	237	63.71	35.02	0.74	0.59
	EL711854812#SCORE_TRAIT_Conv	4	242	73.14	25.62	0.83	0.72
	EL711854812#SCORE_TRAIT_Ideadev	5	242	72.31	25.62	0.88	0.77
	EL806746086#SCORE_TRAIT_Conv	4	6,449	68.48	30.66	0.76	0.64
	EL806746086#SCORE_TRAIT_Ideadev	5	6,449	66.30	31.71	0.74	0.62
	EL834856783#SCORE_TRAIT_Conv	4	6,495	75.03	24.17	0.85	0.75
	EL834856783#SCORE_TRAIT_Ideadev	5	6,495	77.92	20.34	0.91	0.82
6	EL303519#SCORE_TRAIT_Conv	4	243	68.31	31.28	0.83	0.70
	EL303519#SCORE_TRAIT_Ideadev	6	243	75.31	24.69	0.88	0.78
	EL626869132#SCORE_TRAIT_Conv	4	247	68.83	30.36	0.83	0.71
	EL626869132#SCORE_TRAIT_Ideadev	6	247	82.59	16.60	0.91	0.84
	EL911525969#SCORE_TRAIT_Conv	4	6,454	70.76	28.70	0.83	0.72
	EL911525969#SCORE_TRAIT_Ideadev	6	6,454	73.75	24.99	0.87	0.76
	EL913132900#SCORE_TRAIT_Conv	4	6,502	72.25	27.22	0.85	0.74
	EL913132900#SCORE_TRAIT_Ideadev	6	6,502	67.35	31.16	0.84	0.70
7	EL292181#SCORE_TRAIT_Conv	4	246	67.07	32.93	0.83	0.69
	EL292181#SCORE_TRAIT_Ideadev	6	246	69.11	30.89	0.86	0.73
	EL628749729#SCORE_TRAIT_Conv	4	247	72.87	25.51	0.83	0.73

continued

Grade	Item	Number of Score Categories	Number of Responses Scored Twice	Percent Exact	Percent Adjacent	Correlation	LW Kappa
7	EL628749729#SCORE_TRAIT_Ideadev	6	247	66.80	27.53	0.82	0.69
	EL811753816#SCORE_TRAIT_Conv	4	6,646	72.42	27.05	0.85	0.74
	EL811753816#SCORE_TRAIT_Ideadev	6	6,646	66.43	31.55	0.85	0.71
	EL909750218#SCORE_TRAIT_Conv	4	6,659	73.18	26.58	0.85	0.74
	EL909750218#SCORE_TRAIT_Ideadev	6	6,659	68.31	29.99	0.84	0.72
8	EL290818#SCORE_TRAIT_Conv	4	245	70.61	29.39	0.86	0.74
	EL290818#SCORE_TRAIT_Ideadev	6	245	66.12	33.06	0.83	0.69
	EL623953378#SCORE_TRAIT_Conv	4	244	81.56	18.44	0.91	0.83
	EL623953378#SCORE_TRAIT_Ideadev	6	244	74.18	25.41	0.88	0.77
	EL836248600#SCORE_TRAIT_Conv	4	6,860	74.43	25.00	0.87	0.77
	EL836248600#SCORE_TRAIT_Ideadev	6	6,860	67.17	30.85	0.88	0.74
	EL911774388#SCORE_TRAIT_Conv	4	6,902	79.72	20.07	0.90	0.82
	EL911774388#SCORE_TRAIT_Ideadev	6	6,902	70.72	28.40	0.91	0.79
10	EL013138637	9	65,131	63.02	18.66	0.88	0.75
	EL013138637#SCORE_TRAIT_Conv	4	65,131	78.35	21.30	0.87	0.77
	EL013138637#SCORE_TRAIT_Ideadev	6	65,131	66.31	32.25	0.87	0.74
	EL811561885	9	5,742	64.84	15.69	0.87	0.75
	EL811561885#SCORE_TRAIT_Conv	4	5,742	78.79	20.92	0.86	0.77
	EL811561885#SCORE_TRAIT_Ideadev	6	5,742	66.93	31.92	0.86	0.73
	EL910467723	9	65,847	61.20	18.89	0.85	0.71
	EL910467723#SCORE_TRAIT_Conv	4	65,847	78.46	20.96	0.84	0.74
	EL910467723#SCORE_TRAIT_Ideadev	6	65,847	63.13	35.18	0.83	0.69

**Caution should be used when interpreting the sums of exact and adjacent percentages for ELA items. This is because resolutions are done by item in ELA, and it is entirely possible that only one trait (either idea development or conventions) on a writing item has a non-adjacent score. For instance, if the idea development score for an item were non-adjacent, the item would also receive a third score for conventions, even if it initially received an exact or adjacent score for conventions.*

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

Grade	Item	Number of Score Categories	Number of Responses Scored Twice	Percent Exact	Percent Adjacent	Correlation	LW Kappa
3	MA286752A	4	6,427	88.11	11.58	0.93	0.88
	MA297478A	4	6,451	98.11	1.84	0.99	0.98
	MA297478A_PA	4	20	100.00	0.00	1.00	1.00
	MA300753A	4	6,316	94.16	5.67	0.98	0.95
	MA623654449	4	210	88.10	11.90	0.93	0.88
	MA623656013	4	194	97.94	2.06	0.99	0.98
	MA735951978	4	6,383	85.93	13.69	0.93	0.88
4	MA250543	5	200	77.00	19.50	0.90	0.82
	MA302496A	5	6,479	80.15	18.61	0.92	0.85
	MA311579A	5	6,529	92.04	7.58	0.98	0.95
	MA311581	5	186	86.02	12.90	0.94	0.89
	MA900750814	5	6,530	80.11	18.94	0.93	0.85
	MA903574399	5	6,532	93.39	6.28	0.98	0.96
5	MA298005	5	6,601	83.09	15.13	0.93	0.86
	MA301608	5	6,594	85.52	13.69	0.94	0.88
	MA311366	5	203	86.70	12.32	0.95	0.89
	MA704359678	5	203	73.40	24.63	0.92	0.82
	MA802310847	5	6,604	91.63	8.16	0.98	0.95
	MA802310847_PA	5	24	100.00	0.00	1.00	1.00
	MA901073764	5	6,613	78.24	19.78	0.93	0.85
6	MA298139	5	205	89.76	10.24	0.98	0.94
	MA307234	5	6,560	84.77	14.13	0.95	0.90
	MA307339	5	207	87.44	12.56	0.95	0.89
	MA703253363	5	6,556	87.71	11.18	0.96	0.91
	MA900337563	5	6,566	85.09	14.24	0.95	0.89
	MA902139605	5	6,603	91.43	8.42	0.96	0.93
7	MA306566	5	6,461	83.53	14.63	0.94	0.87
	MA316886	5	243	93.00	6.58	0.96	0.94
	MA703943185	5	242	88.43	10.74	0.97	0.93
	MA717236235	5	6,687	82.79	16.21	0.95	0.88
	MA802914027	5	6,580	92.86	6.58	0.98	0.95
	MA900936469	5	6,690	89.00	10.52	0.97	0.93
8	MA297652	5	243	92.18	7.41	0.98	0.95
	MA307515	5	6,854	80.67	16.94	0.94	0.87
	MA311459	5	6,813	84.38	14.74	0.94	0.88
	MA314812	5	248	90.32	8.87	0.97	0.94

continued

Grade	Item	Number of Score Categories	Number of Responses Scored Twice	Percent Exact	Percent Adjacent	Correlation	LW Kappa
8	MA715920050	5	6,945	79.29	19.51	0.93	0.85
	MA715920050_PA	5	16	100.00	0.00	1.00	1.00
	MA902400539	5	6,811	83.69	15.25	0.95	0.88
10	MA302066	5	64,552	88.57	10.73	0.97	0.92
	MA302066_ES	5	945	95.87	3.70	0.94	0.89
	MA311223	5	65,314	80.69	18.14	0.95	0.88
	MA311223_ES	5	961	88.87	10.72	0.92	0.86
	MA713808299	5	66,734	86.65	12.63	0.96	0.91
	MA713808299_ES	5	1,104	91.76	7.97	0.92	0.87
	MA806383722	5	3,080	86.27	13.02	0.93	0.87
	MA806408603	5	3,069	88.95	10.43	0.95	0.91
	MA901364620	5	66,771	80.82	18.04	0.93	0.85
	MA901364620_ES	5	1,097	80.13	18.05	0.82	0.72

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

Grade	Item	Number of Score Categories	Number of Responses Scored Twice	Percent Exact	Percent Adjacent	Correlation	LW Kappa
5	SC264893	4	299	74.92	22.41	0.83	0.74
	SC313154_PA	4	25	88.00	12.00	0.86	0.79
	SC626958463	3	6,066	74.86	24.70	0.67	0.60
	SC626958463_PA	3	31	67.74	32.26	0.63	0.52
	SC629273289	3	6,616	83.68	16.19	0.73	0.70
	SC630756792	4	6,552	62.39	33.38	0.75	0.63
	SC802761427	4	352	64.20	33.24	0.73	0.60
	SC903853405	4	13,412	72.56	25.28	0.77	0.68
	SC911956141	4	6,653	73.71	24.74	0.84	0.74
8	SC631744146_PA	4	26	80.77	19.23	0.84	0.75
	SC807345964	4	6,679	72.18	26.20	0.80	0.70
	SC809178849	4	300	80.33	18.67	0.80	0.72
	SC810865313	3	6,380	73.24	24.51	0.75	0.67
	SC814258458	4	299	80.94	18.06	0.88	0.81
	SC816553266	3	7,123	81.62	17.94	0.81	0.75
	SC903853728	4	15,258	67.47	29.82	0.83	0.71
	SC911252123	4	7,224	72.84	25.65	0.80	0.70

Table H-4. Item-Level Interrater Consistency Statistics—Biology

Grade	Item	Number of Score Categories	Number of Responses Scored Twice	Percent Exact	Percent Adjacent	Correlation	LW Kappa
HS	SC289153	5	57,789	56.74	34.91	0.72	0.59
	SC289153_ES	5	1,666	75.75	20.05	0.63	0.52
	SC312659	5	58,837	81.06	17.54	0.93	0.86
	SC312659_ES	5	1,776	82.26	17.29	0.79	0.69
	SC312659_PA	5	420	90.24	8.57	0.93	0.89
	SC312659_PA_ES	5	67	83.58	16.42	0.87	0.79
	SC316264	5	57,311	81.19	17.73	0.94	0.87
	SC316264_ES	5	1,445	89.07	10.66	0.88	0.81
	SC810679235	4	58,124	68.71	27.14	0.81	0.70
	SC810679235_ES	4	1,754	76.00	21.95	0.52	0.40
	SC816235890_PA	4	407	89.19	10.57	0.88	0.80
	SC816235890_PA_ES	4	62	93.55	6.45	0.72	0.71

Table H-5. Item-Level Interrater Consistency Statistics—Introductory Physics

Grade	Item	Number of Score Categories	Number of Responses Scored Twice	Percent Exact	Percent Adjacent	Correlation	LW Kappa
HS	SC280834	5	14,091	67.17	29.50	0.87	0.75
	SC280834_ES	5	198	78.79	20.71	0.81	0.70
	SC302741	5	13,887	81.70	17.12	0.92	0.85
	SC302741_ES	5	189	93.12	6.88	0.84	0.79
	SC313765	5	14,020	74.25	24.02	0.89	0.79
	SC313765_ES	5	218	80.28	17.89	0.74	0.67
	SC805182225	4	14,033	69.64	28.64	0.79	0.68
	SC805182225_ES	4	204	91.18	8.82	0.81	0.76
	SC805975282_PA	4	43	79.07	18.60	0.83	0.74
	SC805975282_PA_ES	4	27	70.37	25.93	0.55	0.40

Table H-6. Validity Constant Proportion of Exact Agreement by Score Points

Subject	Grade	Ncat	Ntot	Exact	Score Point 0	Score Point 1	Score Point 2	Score Point 3	Score Point 4	Score Point 5
ELA	3	3	132	84.19	89.19	89.72	70.51	--	--	--
		4	6,574	89.92	90.22	93.68	78.84	83.04	--	--
		5	3,153	88.5	97.78	91.46	83.82	69.83	73.28	--
	4	3	190	95.84	95.76	97.78	78	--	--	--
		4	6,800	87.24	94.61	87.65	80.46	83.85	--	--
		5	3,265	89.48	96.71	93.27	88	76.63	74.21	--
	5	4	6,843	87.91	91.46	93.17	73.88	84.76	--	--
		5	6,465	88.29	98.39	93.62	73.51	69.48	61.46	--
	6	4	6,590	88.45	96.58	85.04	80.5	83.65	--	--
		6	6,590	88.58	97.91	92.14	84.09	76.38	56.64	66.34
	7	4	7,096	87.55	95.69	86.08	78	86.2	--	--
		6	6,716	83.34	91.56	91.33	82.26	65.65	67.07	63.56
	8	4	6,918	88.08	95.11	80.65	82.69	92.23	--	--
		5	182	95.12	100	94.82	100	93	70	--
		6	6,736	81.12	97.04	86.63	83.15	75.47	57.8	57.32
Mathematics	3	4	8,234	96.68	99.15	95.86	95.02	96.22	--	--
	4	5	7,692	95.42	95.55	96.5	92	95.37	97.09	--
	5	5	7,869	92.62	99.27	92.37	91.05	86.2	94.98	--
	6	5	8,490	93.27	97.02	93.99	91.86	89.49	93.43	--
	7	5	8,618	90.32	98.12	88.33	89.08	87.62	92.41	--
	8	5	8,659	89.89	97.02	90.05	84.35	85.56	93.22	--

Table H-7. Item-level Validity Statistics—ELA Grade 3

UIN	Trait	Ncat	Stat	Overall Exact Agreement	Agreement by Score Point	Agreement by Score Point	Agreement by Score Point	Agreement by Score Point	Agreement by Score Point
					0	1	2	3	4
EL308855	Overall	3	N	132	37	58	37	0	0
			Percent	84.19	89.19	89.72	70.51	0	0
EL308857	Overall	4	N	192	54	96	24	18	0
			Percent	88.52	98.07	94.69	79.50	39	0
EL835251909	Overall	4	N	3,229	520	2415	152	142	0
			Percent	89.5	95.17	91.41	57.95	69.83	0
EL626052459	Conventions	4	N	182	91	44	16	31	0
			Percent	92.33	98.71	98	69	77.58	0
	Idea Development	5	N	182	52	83	16	11	20
			Percent	88.55	100	96.59	69	36	70
EL912362165	Conventions	4	N	2,971	128	1571	858	414	0
			Percent	90.32	60.78	96.99	82.71	89.89	0
	Idea Development	5	N	2,971	937	762	858	220	194
			Percent	88.50	97.66	90.90	84.10	71.52	73.62

Table H-8. Item-level Validity Statistics—ELA Grade 4

UIN	Trait	Ncat	Stat	Overall Exact Agreement	Agreement	Agreement	Agreement	Agreement	Agreement
					by Score Point 0	by Score Point 1	by Score Point 2	by Score Point 3	by Score Point 4
EL307728	Overall	3	N	190	94	87	9	0	0
			Percent	95.84	95.76	97.78	78	0	0
EL307729	Overall	4	N	188	59	90	21	18	0
			Percent	86.19	84.75	91.14	76	78	0
EL800957624	Overall	4	N	3347	1,115	1,035	767	430	0
			Percent	82.31	91.92	81.08	73.09	76.78	0
EL624655949	Conventions	3	N	187	50	39	51	47	0
			Percent	91.31	100	92.15	80.02	93.62	0
	Idea Development	3	N	187	50	39	51	10	37
			Percent	89.77	100	89.85	82.22	70	91.62
EL909132428	Conventions	4	N	3078	730	910	885	553	0
			Percent	92.42	99.15	94.59	86.97	88.70	0
	Idea Development	5	N	3078	817	823	885	408	145
			Percent	89.46	96.51	93.43	88.33	76.79	69.77

Table H-9. Item-level Validity Statistics—ELA Grade 5

UIN	Trait	Ncat	Stat	Overall Exact Agreement	Agreement	Agreement	Agreement	Agreement	Agreement
					by Score Point 0	by Score Point 1	by Score Point 2	by Score Point 3	by Score Point 4
EL626356806	Conventions	4	N	189	45	52	75	17	0
			Percent	84.7	100	86.62	81.39	53	0
	Idea Development	4	N	189	45	52	75	17	0
			Percent	81.87	100	82.42	81.24	35	0
EL711854812	Conventions	4	N	190	0	91	40	59	0
			Percent	92.64	0	94.54	82.67	96.46	0
	Idea Development	5	N	190	44	47	40	19	40
			Percent	87.77	93	100	82.42	89	72.42
EL806746086	Conventions	4	N	3133	934	1069	592	538	0
			Percent	85.76	93.24	92.04	67.35	80.56	0
	Idea Development	5	N	3133	934	1069	601	508	21
			Percent	86.69	98.37	94.4	69.38	71.48	38
EL834856783	Conventions	4	N	3142	902	1339	431	470	0
			Percent	90.33	88.76	94.65	79.44	91.04	0
	Idea Development	5	N	3142	2170	71	431	230	240
			Percent	89.91	98.51	77.66	78.43	63.46	61.68

Table H-10. Item-level Validity Statistics—ELA Grade 6

UIN	Trait	Ncat	Stat	Overall Exact Agreement	Agreement by Score Point 0	Agreement by Score Point 1	Agreement by Score Point 2	Agreement by Score Point 3	Agreement by Score Point 4	Agreement by Score Point 5
EL303519	Conventions	4	N	179	48	31	59	41	0	0
			Percent	88.28	93.81	77.52	82.98	97.59	0	0
	Idea Development	6	N	179	37	42	59	24	14	3
EL626869132	Conventions	4	N	179	53	41	47	38	0	0
			Percent	83.81	92.58	92.71	76.6	70.89	0	0
	Idea Development	6	N	179	31	63	47	15	15	8
EL911525969	Conventions	4	N	3125	1074	770	727	554	0	0
			Percent	83.02	92.74	78.68	74.67	81.17	0	0
	Idea Development	6	N	3125	619	1083	805	340	161	117
EL913132900	Conventions	4	N	3107	1395	869	433	410	0	0
			Percent	94.18	99.78	90.59	90.37	86.79	0	0
	Idea Development	6	N	3107	1395	869	433	241	50	119
			Percent	92.92	99.15	92.15	91.28	80.11	52	74.66

Table H-11. Item-level Validity Statistics—ELA Grade 7

UIN	Trait	Ncat	Stat	Overall Exact Agreement	Agreement by Score Point 0	Agreement by Score Point 1	Agreement by Score Point 2	Agreement by Score Point 3	Agreement by Score Point 4	Agreement by Score Point 5
EL292181	Conventions	4	N	190	102	44	44	0	0	0
			Percent	88.42	100	70	80	0	0	0
	Idea Development	4	N	190	102	44	44	0	0	0
EL628749729	Conventions	4	N	201	50	23	54	74	0	0
			Percent	86.13	97.96	56.61	81.48	90.7	0	0
	Idea Development	6	N	201	44	29	10	74	12	32
EL811753816	Conventions	4	N	3200	1242	603	657	698	0	0
			Percent	87.81	94.49	84.36	84.74	81.77	0	0
	Idea Development	6	N	3200	1005	835	339	696	217	108
EL909750218	Conventions	4	N	3315	847	936	778	754	0	0
			Percent	87	96.65	88.11	88.47	73.27	0	0
	Idea Development	6	N	3315	879	904	413	621	391	107
			Percent	83.23	86.71	92.82	68.95	80.19	76.73	70.07

Table H-12. Item-level Validity Statistics—ELA Grade 8

UIN	Trait	Ncat	Stat	Overall Exact Agreement	Agreement by Score Point	Agreement by Score Point	Agreement by Score Point	Agreement by Score Point	Agreement by Score Point	Agreement by Score Point
					0	1	2	3	4	5
EL290818	Conventions	4	N	208	31	74	53	50	0	0
			Percent	81.84	100	69.08	75.64	96.04	0	0
	Idea Development	6	N	208	49	56	53	20	17	13
			Percent	88.48	95.76	92.8	85.06	85.2	88	62
EL623953378	Conventions	4	N	182	22	57	51	52	0	0
			Percent	94.53	86.5	91.18	100	96.25	0	0
	Idea Development	5	N	182	22	57	51	42	10	0
			Percent	95.12	100	94.82	100	93	70	0
EL836248600	Conventions	4	N	3247	900	657	630	1060	0	0
			Percent	86.68	94.17	73.37	79.9	92.58	0	0
	Idea Development	6	N	3247	811	746	630	555	418	87
			Percent	81.36	97.42	83.52	80.43	74.21	63.61	50.69
EL911774388	Conventions	4	N	3281	428	755	817	1281	0	0
			Percent	89.51	97.18	87.32	84.21	91.62	0	0
	Idea Development	6	N	3281	428	733	839	772	345	164
			Percent	80.41	96.47	89.33	85.07	76.13	49.27	60.46

Table H-13. Item-level Validity Statistics—Mathematics Grade 3

UIN	Trait	Ncat	Stat	Overall Exact Agreement	Agreement by Score Point	Agreement by Score Point	Agreement by Score Point	Agreement by Score Point
					0	1	2	3
MA286752A	Overall	4	N	1713	597	410	325	381
			Percent	94.71	99.04	94.83	95.37	87.21
MA297478A	Overall	4	N	2533	654	633	598	648
			Percent	99.33	99.55	98.72	99.18	99.84
MA300753A	Overall	4	N	2150	541	603	436	570
			Percent	96.9	98.7	95.4	95.93	97.52
MA623654449	Overall	4	N	62	19	24	2	17
			Percent	98.35	100	100	100	94
MA623656013	Overall	4	N	56	9	10	15	22
			Percent	100	100	100	100	100
MA735951978	Overall	4	N	1720	462	465	368	425
			Percent	94.32	99.18	93.19	86.64	96.92

Table H-14. Item-level Validity Statistics—Mathematics Grade 4

UIN	Trait	Ncat	Stat	Overall Exact Agreement	Agreement	Agreement	Agreement	Agreement
					by Score Point 0	by Score Point 1	by Score Point 2	by Score Point 3
MA250543	Overall	5	N	76	37	9	11	2
			Percent	82.95	97.16	33.67	82	100
MA302496A	Overall	5	N	2055	685	503	392	329
			Percent	94.98	93.35	96.95	94.33	95.72
MA311579A	Overall	5	N	1728	386	365	92	216
			Percent	97.7	98.75	95.61	96.61	96.81
MA311581	Overall	5	N	54	5	8	14	16
			Percent	96.31	100	100	92.86	93.81
MA900750814	Overall	5	N	1777	527	268	558	174
			Percent	92.02	94.96	97.37	86.17	88.52
MA903574399	Overall	5	N	2002	157	225	341	471
			Percent	97.38	98.72	98.26	97.89	97.03

Table H-15. Item-level Validity Statistics—Mathematics Grade 5

UIN	Trait	Ncat	Stat	Overall Exact Agreement	Agreement	Agreement	Agreement	Agreement
					by Score Point 0	by Score Point 1	by Score Point 2	by Score Point 3
MA298005	Overall	5	N	1910	104	205	663	286
			Percent	91.3	100	83.4	93.08	88.63
MA301608	Overall	5	N	2082	299	552	505	280
			Percent	96.1	100	95.43	92.33	96.81
MA311366	Overall	5	N	63	0	29	8	12
			Percent	92.14	0	100	87.62	67
MA704359678	Overall	5	N	107	19	40	16	0
			Percent	92.56	100	100	94	0
MA802310847	Overall	5	N	1768	370	351	335	363
			Percent	95.69	98.15	94.44	91.36	98.11
MA901073764	Overall	5	N	1939	278	335	375	391
			Percent	87.42	99.64	89.06	85.43	66.37

Table H-16. Item-level Validity Statistics—Mathematics Grade 6

UIN	Trait	Ncat	Stat	Overall Exact Agreement	Agreement by Score Point 0	Agreement by Score Point 1	Agreement by Score Point 2	Agreement by Score Point 3
MA298139	Overall	5	N	101	36	9	34	21
			Percent	93.15	100	89.11	97.18	76.29
MA307234	Overall	5	N	1735	243	483	278	267
			Percent	91.97	92.61	93.21	88.51	86.25
MA307339	Overall	5	N	67	9	20	20	10
			Percent	97.04	100	100	100	80.2
MA703253363	Overall	5	N	1763	528	454	153	274
			Percent	93.17	98.12	90.34	81.73	92.05
MA900337563	Overall	5	N	2216	479	663	327	368
			Percent	90.44	97.9	93.37	83.27	82.64
MA902139605	Overall	5	N	2608	407	547	927	576
			Percent	96.5	96.84	98.34	97.19	94.78

Table H-17. Item-level Validity Statistics—Mathematics Grade 7

UIN	Trait	Ncat	Stat	Overall Exact Agreement	Agreement by Score Point 0	Agreement by Score Point 1	Agreement by Score Point 2	Agreement by Score Point 3
MA306566	Overall	5	N	1851	157	325	583	484
			Percent	85.98	100	83.06	84.1	89.87
MA316886	Overall	5	N	100	55	0	0	45
			Percent	92.23	93.18	0	0	91.07
MA703943185	Overall	5	N	70	25	3	13	10
			Percent	90	96	100	76.92	70
MA717236235	Overall	5	N	1929	263	437	469	403
			Percent	83.62	97.43	85.35	78.87	78.66
MA802914027	Overall	5	N	2672	194	561	790	509
			Percent	96.53	100	91.48	99.29	93.65
MA900936469	Overall	5	N	1996	290	481	434	353
			Percent	92.42	97.6	90.87	88.57	86.14

Table H-18. Item-level Validity Statistics—Mathematics Grade 8

UIN	Trait	Ncat	Stat	Overall Exact Agreement	Agreement by Score Point 0	Agreement by Score Point 1	Agreement by Score Point 2	Agreement by Score Point 3
MA297652	Overall	5	N	91	4	16	7	39
			Percent	100	100	100	100	100
MA307515	Overall	5	N	2177	11	294	470	638
			Percent	85.76	100	77.92	80.53	78.86
MA311459	Overall	5	N	1861	214	578	223	351
			Percent	85.76	98.43	90.47	80.99	77.47
MA314812	Overall	5	N	82	23	14	14	17
			Percent	94	95.74	93	86	94.12
MA715920050	Overall	5	N	2584	568	602	399	489
			Percent	94.72	97.25	94.54	95.25	91.75
MA902400539	Overall	5	N	1864	421	368	299	433
			Percent	91.49	95.97	91.2	77.89	93.36

Table H-19. Item-Level Interrater Consistency Statistics—Alt/ELA

Grade	Item	Number of Score Categories	Number of Responses Scored Twice	Percent Exact	Percent Adjacent	Correlation
3	comp1	5	204	99.51	0.49	0.94
	comp2	5	203	99.01	0.99	0.89
	comp3	5	202	97.03	2.97	0.83
	ind1	4	172	98.26	1.74	0.97
	ind2	4	160	100.00	0.00	1.00
	ind3	4	175	98.86	1.14	0.99
	sk1	4	172	99.42	0.58	0.98
	sk2	4	160	98.75	1.25	0.97
	sk3	4	175	95.43	1.71	0.91
4	comp1	5	200	98.50	1.50	0.85
	comp2	5	200	99.50	0.50	0.94
	comp3	5	201	98.51	1.49	0.90
	ind1	4	177	99.44	0.56	0.99
	ind2	4	166	98.80	1.20	0.98
	ind3	4	183	97.81	2.19	0.98
	sk1	4	177	99.44	0.56	0.98
	sk2	4	166	99.40	0.00	0.91
	sk3	4	183	97.81	1.64	0.98
5	comp1	5	201	99.00	1.00	0.92
	comp2	5	201	99.00	1.00	0.92
	comp3	5	200	98.00	2.00	0.89
	ind1	4	168	98.21	1.79	0.96
	ind2	4	157	98.09	1.91	0.96
	ind3	4	167	100.00	0.00	1.00
	sk1	4	168	100.00	0.00	1.00
	sk2	4	157	100.00	0.00	1.00
	sk3	4	167	97.01	2.40	0.97
6	comp1	5	185	99.46	0.54	0.95
	comp2	5	184	99.46	0.54	0.96
	comp3	5	183	97.27	2.73	0.87
	ind1	4	161	99.38	0.62	0.99
	ind2	4	142	99.30	0.70	0.98
	ind3	4	158	99.37	0.63	0.99
	sk1	4	161	99.38	0.62	0.98
	sk2	4	142	98.59	1.41	0.96
	sk3	4	158	96.20	3.80	0.97
7	comp1	5	586	99.66	0.34	0.95
	comp2	5	588	99.83	0.17	0.98
	comp3	5	581	98.97	1.03	0.93
	ind1	4	534	98.31	1.69	0.97
	ind2	4	478	98.54	1.26	0.96
	ind3	4	512	98.63	1.37	0.99
	sk1	4	534	98.69	1.12	0.94

continued

Grade	Item	Number of Score Categories	Number of Responses Scored Twice	Percent Exact	Percent Adjacent	Correlation
7	sk2	4	478	98.33	1.67	0.96
	sk3	4	512	95.70	3.91	0.96
8	comp1	5	212	99.06	0.94	0.89
	comp2	5	212	99.53	0.47	0.96
	comp3	5	210	99.52	0.48	0.97
	ind1	4	194	98.45	1.55	0.97
	ind2	4	176	98.86	1.14	0.97
	ind3	4	189	97.35	2.65	0.98
	sk1	4	194	100.00	0.00	1.00
	sk2	4	176	98.86	1.14	0.97
	sk3	4	189	94.71	3.17	0.93
	HS	comp1	5	326	99.08	0.92
comp2		5	327	99.69	0.31	0.97
comp3		5	324	97.84	2.16	0.84
ind1		4	280	98.21	1.79	0.96
ind2		4	254	98.82	1.18	0.97
ind3		4	275	99.27	0.73	0.99
sk1		4	280	98.93	1.07	0.97
sk2		4	254	99.21	0.79	0.98
sk3		4	275	97.09	2.55	0.98

**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 H-20. Item-Level Interrater Consistency Statistics—Alt/Mathematics

Grade	Item	Number of Score Categories	Number of Responses Scored Twice	Percent Exact	Percent Adjacent	Correlation	% Third Score*
3	comp1	5	206	99.03	0.97	0.90	0.97
	comp5	5	204	98.53	1.47	0.83	1.47
	ind1	4	170	100.00	0.00	1.00	1.18
	ind5	4	170	98.82	1.18	0.98	2.94
	sk1	4	170	98.82	1.18	0.98	1.18
	sk5	4	170	98.82	1.18	0.97	2.35
4	comp1	5	202	98.02	1.98	0.81	1.98
	comp3	5	201	98.01	1.99	0.84	1.99
	ind1	4	165	99.39	0.61	0.99	1.82
	ind3	4	171	100.00	0.00	1.00	1.17
	sk1	4	165	98.79	1.21	0.95	1.82
	sk3	4	171	98.83	1.17	0.95	1.17
5	comp2	5	198	97.47	2.53	0.83	2.53
	comp3	5	198	97.47	2.53	0.83	2.53
	ind2	4	160	96.25	3.75	0.95	4.38
	ind3	4	157	99.36	0.64	0.99	0.64
	sk2	4	160	96.88	3.13	0.91	5.00
	sk3	4	157	99.36	0.64	0.98	1.27
6	comp2	5	187	96.79	3.21	0.77	3.21
	comp5	5	187	97.86	2.14	0.84	2.67
	ind2	4	162	98.15	1.85	0.97	1.85
	ind5	4	159	98.74	1.26	0.98	2.52
	sk2	4	162	100.00	0.00	1.00	1.23
	sk5	4	159	98.74	1.26	0.94	2.52
7	comp1	5	588	99.15	0.85	0.95	1.53
	comp4	5	587	99.66	0.34	0.95	0.68
	ind1	4	520	97.50	2.50	0.97	2.69
	ind4	4	509	98.43	1.57	0.97	2.55
	sk1	4	520	98.65	1.35	0.95	2.69
	sk4	4	509	98.62	1.38	0.94	2.16
8	comp2	5	213	99.06	0.94	0.95	0.94
	comp4	5	212	100.00	0.00	1.00	0.00
	ind2	4	184	97.83	2.17	0.97	3.26
	ind4	4	185	96.76	3.24	0.95	4.86
	sk2	4	184	98.91	1.09	0.97	3.26
	sk4	4	185	98.38	1.62	0.96	4.86

continued

Grade	Item	Number of Score Categories	Number of Responses Scored Twice	Percent Exact	Percent Adjacent	Correlation	% Third Score*
HS	comp1	5	89	98.88	1.12	0.81	1.12
	comp2	5	275	99.64	0.36	0.96	0.73
	comp3	5	191	100.00	0.00	1.00	0.52
	comp4	5	246	99.59	0.41	0.97	0.41
	comp5	5	179	100.00	0.00	1.00	0.56
	ind1	4	72	100.00	0.00	1.00	0.00
	ind2	4	235	98.30	1.70	0.98	2.13
	ind3	4	171	100.00	0.00	1.00	0.00
	ind4	4	210	99.05	0.95	0.99	1.43
	ind5	4	148	99.32	0.68	0.99	0.68
	sk1	4	72	100.00	0.00	1.00	0.00
	sk2	4	235	99.57	0.43	0.99	1.70
	sk3	4	171	100.00	0.00	1.00	0.00
	sk4	4	210	99.05	0.95	0.97	1.90
	sk5	4	148	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 H-21. Item-Level Interrater Consistency Statistics—Alt/STE

Grade	Item	Number of Score Categories	Number of Responses Scored Twice	Percent Exact	Percent Adjacent	Correlation	% Third Score*	
5	comp1	5	182	97.25	2.75	0.86	2.75	
	comp2	5	190	95.26	4.74	0.74	4.74	
	comp3	5	184	97.28	2.72	0.84	2.72	
	comp4	5	11	90.91	9.09	0.67	9.09	
	ind1	4	159	98.11	1.89	0.99	3.14	
	ind2	4	159	98.11	1.89	0.99	3.14	
	ind3	4	160	100.00	0.00	1.00	0.00	
	ind4	4	10	100.00	0.00	1.00	0.00	
	sk1	4	159	98.74	1.26	0.92	2.52	
	sk2	4	159	98.74	1.26	0.93	3.14	
	sk3	4	160	100.00	0.00	1.00	0.00	
	sk4	4	10	100.00	0.00	1.00	0.00	
	8	comp1	5	196	98.47	1.53	0.91	1.53
		comp2	5	204	97.55	2.45	0.84	2.45
comp3		5	180	98.33	1.67	0.90	1.67	
comp4		5	35	91.43	8.57	0.75	8.57	
ind1		4	176	97.73	1.70	0.97	3.41	
ind2		4	175	100.00	0.00	1.00	0.00	
ind3		4	166	99.40	0.60	1.00	1.81	
ind4		4	30	93.33	6.67	0.96	6.67	
sk1		4	176	98.86	1.14	0.97	3.41	
sk2		4	175	100.00	0.00	1.00	0.00	
sk3		4	166	98.19	1.81	0.96	2.41	
sk4		4	30	100.00	0.00	1.00	6.67	

**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 H-22. Item-Level Interrater Consistency Statistics—Alt/HS Admin*

Grade	Item	Number of Score Categories	Number of Responses Scored Twice	Percent Exact	Percent Adjacent	Correlation	% Third Score*
Biology	comp1	5	197	97.46	2.54	0.81	2.54
	comp2	5	191	96.34	3.66	0.71	4.19
	comp3	5	190	96.84	3.16	0.74	3.68
	ind1	4	165	98.18	1.82	0.99	2.42
	ind2	4	169	96.45	2.96	0.97	4.73
	ind3	4	157	98.09	1.91	0.99	2.55
	sk1	4	165	100.00	0.00	1.00	1.21
	sk2	4	169	98.82	1.18	0.98	4.14
	sk3	4	157	100.00	0.00	1.00	2.55
Introductory Physics	comp1	5	29	96.55	3.45	0.88	3.45
	comp2	5	29	100.00	0.00	1.00	0.00
	comp3	5	29	93.10	6.90	0.76	6.90
	ind1	4	28	100.00	0.00	1.00	3.57
	ind2	4	28	100.00	0.00	1.00	0.00
	ind3	4	25	100.00	0.00	1.00	0.00
	sk1	4	28	100.00	0.00	1.00	3.57
	sk2	4	28	100.00	0.00	1.00	0.00
	sk3	4	25	100.00	0.00	1.00	0.00

**The percentages of exact agreement, adjacent agreement and third score are too low to report.*