

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	EL028832702	4	6,211	73.05	26.16	0.79	0.69
	EL909882556#SCORE_TRAIT_Conv	4	6,156	74.63	24.20	0.81	0.72
	EL909882556#SCORE_TRAIT_Ideadev	5	6,156	71.52	26.98	0.78	0.67
4	EL007459900#SCORE_TRAIT_Conv	4	6,268	75.46	24.20	0.73	0.63
	EL007459900#SCORE_TRAIT_Ideadev	5	6,268	71.94	27.46	0.76	0.65
	EL024539092	4	6,426	68.71	30.07	0.71	0.60
5	EL030400392#SCORE_TRAIT_Conv	4	6,396	67.37	31.44	0.77	0.64
	EL030400392#SCORE_TRAIT_Ideadev	5	6,396	65.62	32.44	0.75	0.62
	EL624182427#SCORE_TRAIT_Conv	4	6,346	66.03	32.34	0.77	0.65
	EL624182427#SCORE_TRAIT_Ideadev	5	6,346	64.02	33.50	0.80	0.65
6	EL007051004#SCORE_TRAIT_Conv	4	6,500	69.85	29.80	0.85	0.73
	EL007051004#SCORE_TRAIT_Ideadev	6	6,500	64.11	34.63	0.84	0.70
	EL807016586#SCORE_TRAIT_Conv	4	6,515	68.09	30.50	0.84	0.71
	EL807016586#SCORE_TRAIT_Ideadev	6	6,515	64.73	32.45	0.86	0.72
7	EL006653237#SCORE_TRAIT_Conv	4	6,470	72.75	26.74	0.87	0.76
	EL006653237#SCORE_TRAIT_Ideadev	6	6,470	68.87	30.08	0.87	0.75
	EL713375305#SCORE_TRAIT_Conv	4	6,435	72.98	26.31	0.88	0.77
	EL713375305#SCORE_TRAIT_Ideadev	6	6,435	71.55	25.73	0.93	0.82
8	EL007062902#SCORE_TRAIT_Conv	4	6,704	76.70	22.30	0.86	0.77
	EL007062902#SCORE_TRAIT_Ideadev	6	6,704	64.05	32.91	0.87	0.73
	EL007253494#SCORE_TRAIT_Conv	4	6,555	71.93	27.32	0.85	0.74
	EL007253494#SCORE_TRAIT_Ideadev	6	6,555	64.15	33.17	0.85	0.71
10	EL108631124#SCORE_TRAIT_Conv	4	68,061	80.47	19.10	0.85	0.76
	EL108631124#SCORE_TRAIT_Ideadev	6	68,061	65.46	33.13	0.86	0.72
	EL910055845#SCORE_TRAIT_Conv	4	68,705	77.01	22.14	0.83	0.73
	EL910055845#SCORE_TRAIT_Ideadev	6	68,705	67.23	31.92	0.83	0.70

*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	MA253711A	4	6,433	89.49	10.24	0.94	0.90
	MA286750A	4	6,439	91.38	8.50	0.96	0.93
	MA293460A	4	6,414	86.92	12.64	0.95	0.90
	MA310899A	4	6,429	94.21	5.79	0.97	0.94
4	MA293812	5	6,555	85.55	13.73	0.94	0.88
	MA303335	5	6,562	75.60	22.74	0.90	0.81
	MA307317	5	6,526	85.43	13.22	0.94	0.88
	MA801035466	5	6,577	73.04	25.54	0.89	0.79
5	MA002343629	5	6,574	80.61	17.90	0.92	0.85
	MA005852277	5	6,594	90.14	9.33	0.96	0.92
	MA802371654	5	6,575	86.10	13.32	0.95	0.90
	MA903746975	5	6,574	69.94	26.79	0.87	0.76
6	MA290253	5	6,628	85.64	13.26	0.95	0.89
	MA298252	5	6,619	90.89	7.39	0.97	0.93
	MA800301627	5	6,610	83.65	15.49	0.95	0.89
	MA900378821	5	6,659	91.17	8.03	0.96	0.92
7	MA002119133	5	6,603	81.49	17.31	0.95	0.88
	MA261648	5	6,576	83.84	14.87	0.96	0.90
	MA717248260	5	6,583	91.14	8.52	0.96	0.93
	MA802907874	5	6,543	89.99	9.60	0.97	0.93
8	MA010701848	5	6,755	71.64	25.17	0.87	0.75
	MA301714	5	6,648	81.50	17.27	0.95	0.87
	MA311433	5	6,683	79.86	19.02	0.92	0.84
	MA800738445	5	6,768	83.42	15.65	0.95	0.89
10	MA002069968	5	68,599	85.60	13.27	0.96	0.91
	MA294334	5	68,757	86.13	13.03	0.96	0.91
	MA308930	5	67,947	81.88	16.42	0.93	0.86
	MA713808267	5	69,185	87.36	12.18	0.92	0.87

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	SC62523872	3	6,165	73.50	25.04	0.70	0.63
	SC736182092	4	6,809	58.76	35.95	0.67	0.55
	SC801065906	4	6,715	81.86	16.86	0.81	0.76
	SC801629720	4	13,330	84.17	14.28	0.90	0.83
	SC809483803	3	13,194	68.86	27.82	0.69	0.61
	SC814972728	4	6,141	65.80	31.66	0.74	0.62
8	SC000777619	3	13,686	78.66	20.77	0.79	0.72
	SC304510	4	6,275	69.66	27.67	0.82	0.71
	SC631658368	3	6,326	70.15	28.55	0.72	0.63
	SC903855126	4	7,015	69.39	27.67	0.77	0.67
	SC934045224	4	6,219	75.32	23.07	0.87	0.78

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	SC299759	5	60,513	72.84	23.37	0.88	0.78
	SC316255	5	59,400	78.7	19	0.93	0.85
	SC903667169	4	60,354	73.87	24.63	0.85	0.76
	SC911246035	5	59,726	74.43	22.91	0.88	0.77

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	SC287206	5	14,686	67.81	28.03	0.83	0.71
	SC301782	5	14,631	66.42	29.25	0.79	0.67
	SC316441	5	14,651	72.29	26.01	0.89	0.78
	SC803432596	4	14,729	73.23	24.49	0.83	0.74
	SC904352276	4	14,622	64.93	30.65	0.72	0.61

Table H-6. 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
EL028832702	Overall	4	N	3381	1390	862	892	237	0
EL028832702	Overall	4	Percent	82.26	93.22	82.03	78.61	32.49	NA
EL308855	Overall	4	N	110	37	59	11	3	0
EL308855	Overall	4	Percent	86.37	97.41	86.37	72.82	0	NA
EL308857	Overall	4	N	93	24	46	14	9	0
EL308857	Overall	4	Percent	86.01	91.67	100	78.57	11	NA
EL909882556	Conventions	4	N	3282	832	1027	833	590	0
EL909882556	Conventions	4	Percent	86.67	97.13	91.74	75.53	78.8	NA
EL909882556	Idea Development	5	N	3282	635	1244	800	443	160
EL909882556	Idea Development	5	Percent	84.52	91.09	92.59	79.27	64.68	76.96

Table H-7. Item-level Validity Statistics—ELA Grade 4

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
EL007459900	Conventions	4	N	3214	56	1934	1007	217	0
EL007459900	Conventions	4	Percent	90.51	50.3	95.61	83.79	86.59	NA
EL007459900	Idea Development	5	N	3214	59	1931	1007	119	98
EL007459900	Idea Development	5	Percent	88.73	70.93	95.4	83.4	62.07	55.28
EL024539092	Overall	4	N	3578	101	2027	456	994	0
EL024539092	Overall	4	Percent	83.73	83.34	83.6	81.64	84.98	NA
EL307728	Overall	3	N	95	40	47	8	0	0
EL307728	Overall	3	Percent	86.39	82.62	89.4	87.5	NA	NA
EL307729	Overall	4	N	92	44	38	6	4	0
EL307729	Overall	4	Percent	88.04	90.95	92.05	100	0	NA

Table H-8. Item-level Validity Statistics—ELA Grade 5

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
EL030400392	Conventions	4	N	3198	1395	745	447	611	0
EL030400392	Conventions	4	Percent	80.33	86.92	80.09	64.04	77.5	NA
EL030400392	Idea Development	5	N	3198	1204	851	517	442	184
EL030400392	Idea Development	5	Percent	78.2	91.04	86.96	62.74	57.99	45.7
EL624182427	Conventions	4	N	3266	291	1362	1247	366	0
EL624182427	Conventions	4	Percent	77	75.26	80.96	73.92	74.14	NA
EL624182427	Idea Development	5	N	3266	109	1414	1376	285	82
EL624182427	Idea Development	5	Percent	76.34	79.61	83.45	72.18	71.35	36.71

Table H-9. 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
EL007051004	Conventions	4	N	3443	1075	739	1226	403	0	0
EL007051004	Conventions	4	Percent	75.3	78.04	76.06	75.47	66.06	NA	NA
EL007051004	Idea Development	5	N	3443	1210	643	1188	297	105	0
EL007051004	Idea Development	5	Percent	75.22	83.67	83.54	72.22	48.82	35.39	NA
EL807016586	Conventions	4	N	3269	1799	834	157	479	0	0
EL807016586	Conventions	4	Percent	90.18	95.65	86.7	64.36	84.16	NA	NA
EL807016586	Idea Development	6	N	3269	1747	886	97	211	122	206
EL807016586	Idea Development	6	Percent	89.33	97.15	91.57	74.19	64.3	47.64	70.85

Table H-10. 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
EL006653237	Conventions	4	N	3360	603	771	1276	710	0	0
EL006653237	Conventions	4	Percent	87.66	97.36	84.95	86.01	85.36	NA	NA
EL006653237	Idea Development	6	N	3360	603	718	1296	499	179	65
EL006653237	Idea Development	6	Percent	85.36	93.37	91.36	88.32	76.38	50.93	49.17
EL713375305	Conventions	4	N	3238	626	959	520	1133	0	0
EL713375305	Conventions	4	Percent	89.79	90.31	88.57	78.97	95.5	NA	NA
EL713375305	Idea Development	6	N	3238	676	909	520	384	357	392
EL713375305	Idea Development	6	Percent	84.78	98.69	90.83	78.59	80.84	69.89	72.38

Table H-11. Item-level Validity Statistics—ELA 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	Agreement by Score Point 4	Agreement by Score Point 5
EL007062902	Conventions	4	N	3286	772	777	564	1173	0	0
EL007062902	Conventions	4	Percent	88.38	95.31	85.02	78.21	90.92	NA	NA
EL007062902	Idea Development	6	N	3286	789	760	564	477	329	367
EL007062902	Idea Development	6	Percent	78.47	95.4	85.84	74.52	72.11	50.15	66.51
EL007253494	Conventions	4	N	3737	578	626	1280	1253	0	0
EL007253494	Conventions	4	Percent	79.13	91.28	80.3	72.82	79.38	NA	NA
EL007253494	Idea Development	5	N	3737	691	513	1280	934	319	0
EL007253494	Idea Development	5	Percent	73.99	84.68	83.79	73.39	68.94	52.31	NA

Table H-12. Item-level Validity Statistics—Mathematics Grade 3

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
MA253711A	Overall	4	N	1668	300	359	694	315
MA253711A	Overall	4	Percent	92.93	95.43	94.42	91.15	92.76
MA286750A	Overall	4	N	1696	231	407	590	468
MA286750A	Overall	4	Percent	96.42	95.21	92.75	97.8	98.47
MA293460A	Overall	4	N	1699	403	211	465	620
MA293460A	Overall	4	Percent	93.2	94.03	85.77	87.6	99.4
MA310899A	Overall	4	N	1698	351	267	737	343
MA310899A	Overall	4	Percent	94.34	96.9	98.55	92.63	92.13
MA623654449	Overall	4	N	59	34	11	5	9
MA623654449	Overall	4	Percent	98.34	100	91.09	100	100
MA623656013	Overall	4	N	56	10	9	11	26
MA623656013	Overall	4	Percent	98.29	100	89.33	100	100

Table H-13. Item-level Validity Statistics—Mathematics Grade 4

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
MA250543	Overall	5	N	66	33	8	9	3	13
MA250543	Overall	5	Percent	90.92	96.97	100	78	33	92.31
MA293812	Overall	5	N	1762	398	388	672	97	207
MA293812	Overall	5	Percent	94.41	94.52	91.68	96.79	82.55	97.14
MA303335	Overall	5	N	1707	397	211	432	205	462
MA303335	Overall	5	Percent	91.58	99.76	81.96	86.08	85.97	96.59
MA307317	Overall	5	N	1746	384	254	352	292	464
MA307317	Overall	5	Percent	91.54	78.92	91.51	92.88	94.86	98.9
MA311581	Overall	5	N	61	21	11	6	14	9
MA311581	Overall	5	Percent	96.66	95.14	100	83	100	100
MA801035466	Overall	5	N	1842	388	855	288	127	184
MA801035466	Overall	5	Percent	88.17	92.1	93.19	83.49	77.3	71.38

Table H-14. Item-level Validity Statistics—Mathematics 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
MA002343629	Overall	5	N	1720	405	435	313	302	265
MA002343629	Overall	5	Percent	96.15	97.2	94.35	98.69	95.63	95.11
MA005852277	Overall	5	N	1735	504	202	421	488	120
MA005852277	Overall	5	Percent	97.14	97.13	97.95	96.38	97.98	95.04
MA311366	Overall	5	N	65	13	13	21	6	12
MA311366	Overall	5	Percent	95.34	92.31	100	90.33	100	100
MA704359678	Overall	5	N	60	11	24	10	0	15
MA704359678	Overall	5	Percent	100	100	100	100	NA	100
MA802371654	Overall	5	N	1743	338	369	326	339	371
MA802371654	Overall	5	Percent	94.86	98.83	91.01	93.48	95.5	95.69
MA903746975	Overall	5	N	1753	378	365	402	234	374
MA903746975	Overall	5	Percent	90.89	90.79	93.44	88.08	89.65	92.3

Table H-15. Item-level Validity Statistics—Mathematics Grade 6

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
MA290253	Overall	5	N	1731	252	462	532	49	436
MA290253	Overall	5	Percent	96.66	96.05	96.55	95.32	95.73	98.88
MA298139	Overall	5	N	56	22	5	17	12	0
MA298139	Overall	5	Percent	98.21	95.45	100	100	100	NA
MA298252	Overall	5	N	1744	326	492	121	241	564
MA298252	Overall	5	Percent	96.88	98.14	95.96	96.73	91.73	99.18
MA307339	Overall	5	N	65	7	9	28	5	16
MA307339	Overall	5	Percent	100	100	100	100	100	100
MA800301627	Overall	5	N	1746	74	600	279	252	541
MA800301627	Overall	5	Percent	90.21	94.72	86.09	93.33	88.42	93.39
MA900378821	Overall	5	N	1741	0	405	450	467	419
MA900378821	Overall	5	Percent	95.79	NA	94.42	95.42	95.94	97.35

Table H-16. Item-level Validity Statistics—Mathematics Grade 7

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
MA002119133	Overall	5	N	1774	436	185	362	387	404
MA002119133	Overall	5	Percent	92.68	96.4	89.09	87.49	91.74	95.84
MA261648	Overall	5	N	1730	402	344	296	332	356
MA261648	Overall	5	Percent	91.59	98.77	88.79	80.02	90.06	97.24
MA316886	Overall	5	N	76	21	11	22	6	16
MA316886	Overall	5	Percent	97.34	95.24	100	100	83	100
MA703943185	Overall	5	N	74	33	10	9	12	10
MA703943185	Overall	5	Percent	98.66	100	100	89	100	100
MA717248260	Overall	5	N	1746	296	366	320	407	357
MA717248260	Overall	5	Percent	94.35	98.57	97.69	94.39	89.9	92.45
MA802907874	Overall	5	N	1734	336	363	378	325	332
MA802907874	Overall	5	Percent	97.49	99.4	94.49	98.94	96.44	98.19

Table H-17. Item-level Validity Statistics—Mathematics Grade 8

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
MA010701848	Overall	5	N	1797	282	454	438	328	295
MA010701848	Overall	5	Percent	95.31	100	93.24	93.78	92.58	99.34
MA297652	Overall	5	N	71	14	7	15	20	15
MA297652	Overall	5	Percent	100	100	100	100	100	100
MA301714	Overall	5	N	1785	530	350	104	165	636
MA301714	Overall	5	Percent	94.3	98.66	92.97	92.58	76.49	96.3
MA311433	Overall	5	N	1776	371	404	333	370	298
MA311433	Overall	5	Percent	89.56	99.51	94.22	85.22	85.39	80.9
MA314812	Overall	5	N	73	18	8	6	21	20
MA314812	Overall	5	Percent	91.86	100	88	100	85.71	90.1
MA800738445	Overall	5	N	1810	338	369	384	371	348
MA800738445	Overall	5	Percent	93.26	95.16	88.37	94.29	93.35	95.38

Table H-18. Item-Level Interrater Consistency Statistics—Alt/ELA

Grade	Item	Number of Score Categories	Number of Responses Scored Twice	Percent Exact	Percent Adjacent	Correlation	% Third Score*
3	comp1	5	217	100.00	0.00	1.00	0.00
	comp2	5	217	98.62	1.38	0.91	2.76
	comp3	5	217	97.24	2.76	0.84	6.91
	ind1	4	191	99.48	0.52	0.99	1.57
	ind2	4	172	97.67	2.33	0.97	2.33
	ind3	4	206	99.51	0.49	1.00	5.83
	sk1	4	191	98.95	1.05	0.96	2.09
	sk2	4	172	99.42	0.58	0.99	1.74
	sk3	4	206	92.72	6.80	0.92	8.25
4	comp1	5	189	98.94	1.06	0.86	1.06
	comp2	5	189	100.00	0.00	1.00	0.00
	comp3	5	189	98.41	1.59	0.89	5.82
	ind1	4	174	98.28	1.72	0.97	2.30
	ind2	4	150	96.67	3.33	0.95	5.33
	ind3	4	171	98.83	1.17	0.99	3.51
	sk1	4	174	98.85	1.15	0.96	2.87
	sk2	4	150	97.33	2.67	0.94	4.67
	sk3	4	171	95.32	3.51	0.94	5.85
5	comp1	5	223	99.10	0.90	0.87	0.90
	comp2	5	223	98.65	1.35	0.84	1.35
	comp3	5	223	99.10	0.90	0.93	3.59
	ind1	4	211	100.00	0.00	1.00	0.95
	ind2	4	186	98.92	1.08	0.99	1.61
	ind3	4	211	99.53	0.47	1.00	2.84
	sk1	4	211	98.58	1.42	0.94	1.42
	sk2	4	186	99.46	0.54	0.98	1.61
	sk3	4	211	97.16	2.37	0.97	2.84
6	comp1	5	196	98.98	1.02	0.91	1.02
	comp2	5	198	100.00	0.00	1.00	0.00
	comp3	5	197	97.46	2.54	0.87	5.58
	ind1	4	184	99.46	0.54	0.99	1.09
	ind2	4	157	100.00	0.00	1.00	0.64
	ind3	4	187	100.00	0.00	1.00	3.21
	sk1	4	184	98.37	1.63	0.95	2.17
	sk2	4	157	99.36	0.64	0.97	0.64
	sk3	4	187	96.26	2.67	0.95	3.74
7	comp1	5	465	99.35	0.65	0.90	0.86
	comp2	5	468	98.93	1.07	0.91	1.71
	comp3	5	464	96.34	3.45	0.79	9.27
	ind1	4	408	96.32	3.43	0.94	4.41

continued

Grade	Item	Number of Score Categories	Number of Responses Scored Twice	Percent Exact	Percent Adjacent	Correlation	% Third Score*
7	ind2	4	347	97.41	2.31	0.93	3.46
	ind3	4	421	98.34	0.95	0.97	4.99
	sk1	4	408	98.28	1.23	0.88	3.68
	sk2	4	347	97.69	2.02	0.89	2.88
	sk3	4	421	95.72	3.33	0.95	5.70
8	comp1	5	183	98.36	1.64	0.87	1.64
	comp2	5	182	99.45	0.55	0.96	0.55
	comp3	5	181	98.34	1.66	0.91	3.87
	ind1	4	170	98.82	0.59	0.94	1.76
	ind2	4	156	98.72	1.28	0.98	1.92
	ind3	4	173	98.27	1.73	0.98	4.05
	sk1	4	170	98.24	1.76	0.95	2.35
	sk2	4	156	98.72	1.28	0.96	1.92
	sk3	4	173	97.11	2.89	0.98	4.05
HS	comp1	5	368	99.73	0.27	0.96	0.27
	comp2	5	371	99.46	0.54	0.92	0.54
	comp3	5	371	96.50	3.50	0.73	8.09
	ind1	4	304	97.70	2.30	0.97	3.62
	ind2	4	278	97.12	2.88	0.95	3.60
	ind3	4	327	98.78	1.22	0.99	3.67
	sk1	4	304	97.70	2.30	0.94	2.96
	sk2	4	278	97.84	2.16	0.93	2.88
	sk3	4	327	96.64	3.06	0.97	5.50

**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-19. 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	220	99.09	0.91	0.93	0.91
	comp5	5	220	98.64	1.36	0.88	1.36
	ind1	4	186	100.00	0.00	1.00	0.00
	ind5	4	175	100.00	0.00	1.00	0.57
	sk1	4	186	99.46	0.54	0.98	0.54
	sk5	4	175	98.86	1.14	0.96	1.14
4	comp1	5	186	98.92	1.08	0.89	1.08
	comp3	5	187	97.86	2.14	0.79	2.14
	ind1	4	155	98.71	1.29	0.98	1.29
	ind3	4	161	99.38	0.62	0.99	1.86
	sk1	4	155	99.35	0.65	0.99	1.29
	sk3	4	161	98.14	1.86	0.93	2.48
5	comp2	5	220	99.55	0.45	0.96	0.45
	comp3	5	219	99.09	0.91	0.92	0.91
	ind2	4	189	99.47	0.00	0.98	1.59
	ind3	4	197	97.46	2.03	0.94	3.05
	sk2	4	189	98.94	1.06	0.97	1.59
	sk3	4	197	98.48	1.52	0.93	3.55
6	comp2	5	199	98.49	1.51	0.92	1.51
	comp5	5	198	99.49	0.51	0.97	0.51
	ind2	4	183	98.36	1.64	0.98	1.64
	ind5	4	179	97.21	2.79	0.97	3.35
	sk2	4	183	100.00	0.00	1.00	0.00
	sk5	4	179	100.00	0.00	1.00	2.79
7	comp1	5	473	98.73	1.27	0.91	1.27
	comp4	5	476	98.95	1.05	0.86	1.47
	ind1	4	401	97.51	2.24	0.96	3.24
	ind4	4	400	97.75	2.00	0.96	2.50
	sk1	4	401	96.76	2.49	0.77	4.24
	sk4	4	400	98.50	1.00	0.90	2.50
8	comp2	5	181	98.34	1.66	0.92	1.66
	comp4	5	181	98.90	1.10	0.91	1.10
	ind2	4	160	99.38	0.63	0.99	1.88
	ind4	4	158	98.10	1.90	0.97	2.53
	sk2	4	160	98.13	1.88	0.94	2.50
	sk4	4	158	100.00	0.00	1.00	1.90

continued

Grade	Item	Number of Score Categories	Number of Responses Scored Twice	Percent Exact	Percent Adjacent	Correlation	% Third Score*
HS	comp1	5	115	100.00	0.00	1.00	0.00
	comp2	5	301	99.34	0.66	0.91	0.66
	comp3	5	229	99.13	0.87	0.93	0.87
	comp4	5	272	99.26	0.74	0.94	0.74
	comp5	5	186	98.92	1.08	0.83	1.61
	ind1	4	101	97.03	2.97	0.97	2.97
	ind2	4	232	97.84	2.16	0.96	3.02
	ind3	4	187	98.40	1.07	0.95	1.60
	ind4	4	223	97.76	2.24	0.97	2.69
	ind5	4	151	96.69	3.31	0.95	3.31
	sk1	4	101	99.01	0.99	0.98	3.96
	sk2	4	232	98.71	1.29	0.94	1.72
	sk3	4	187	98.93	1.07	0.98	1.07
	sk4	4	223	99.55	0.45	0.99	1.35
	sk5	4	151	99.34	0.66	0.97	2.65

**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/STE

Grade	Item	Number of Score Categories	Number of Responses Scored Twice	Percent Exact	Percent Adjacent	Correlation	% Third Score*
5	comp1	5	219	99.09	0.91	0.93	1.37
	comp2	5	218	98.17	1.83	0.83	1.83
	comp3	5	218	99.08	0.92	0.92	0.92
	comp4	5	12	100.00	0.00	1.00	0.00
	ind1	4	201	97.01	2.99	0.98	3.48
	ind2	4	203	98.52	1.48	0.99	1.97
	ind3	4	191	98.95	1.05	0.99	1.05
	ind4	4	11	100.00	0.00	1.00	0.00
	sk1	4	201	99.50	0.50	0.98	2.49
	sk2	4	203	100.00	0.00	1.00	1.97
	sk3	4	191	98.95	1.05	0.95	1.57
	sk4	4	11	100.00	0.00		0.00
	8	comp1	5	167	98.80	1.20	0.93
comp2		5	165	99.39	0.61	0.95	1.21
comp3		5	170	98.82	1.18	0.92	1.18
comp4		5	31	96.77	3.23	0.92	3.23
ind1		4	148	97.97	2.03	0.99	2.03
ind2		4	139	99.28	0.72	1.00	0.72
ind3		4	148	99.32	0.68	1.00	1.35
ind4		4	29	96.55	3.45	0.97	3.45
sk1		4	148	100.00	0.00	1.00	1.35
sk2		4	139	100.00	0.00	1.00	0.00
sk3		4	148	99.32	0.68	0.98	1.35
sk4		4	29	100.00	0.00	1.00	3.45

**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/HS Admin

Grade	Item	Number of Score Categories	Number of Responses Scored Twice	Percent Exact	Percent Adjacent	Correlation	% Third Score
Biology	comp1	5	240	99.58	0.42	0.96	0.42
	comp2	5	231	100.00	0.00	1.00	0.00
	comp3	5	226	97.35	2.65	0.80	2.65
	ind1	4	195	95.90	4.10	0.97	4.62
	ind2	4	190	97.37	2.63	0.98	2.63
	ind3	4	188	98.94	0.53	0.98	1.06
	sk1	4	195	99.49	0.51	0.99	1.54
	sk2	4	190	99.47	0.53	0.98	3.16
	sk3	4	188	98.94	1.06	0.97	1.60
Chemistry	comp1	5	53	100.00	0.00	--	0.00
	comp2	5	52	100.00	0.00	--	0.00
	comp3	5	52	100.00	0.00	--	0.00
	ind1	4	46	100.00	0.00	--	0.00
	ind2	4	44	100.00	0.00	--	0.00
	ind3	4	43	100.00	0.00	1.00	0.00
	sk1	4	46	100.00	0.00	1.00	0.00
	sk2	4	44	100.00	0.00	1.00	0.00
Introductory Physics	comp1	5	29	100.00	0.00	1.00	0.00
	comp2	5	29	100.00	0.00	1.00	0.00
	comp3	5	29	100.00	0.00	1.00	0.00
	ind1	4	27	96.30	3.70	0.97	3.70
	ind2	4	28	96.43	3.57	0.96	3.57
	ind3	4	29	100.00	0.00	1.00	0.00
	sk1	4	27	100.00	0.00	1.00	3.70
	sk2	4	28	100.00	0.00	1.00	3.57
Technology / Engineering	comp1	5	34	100.00	0.00	--	0.00
	comp2	5	34	97.06	2.94	0.70	2.94
	comp3	5	34	100.00	0.00	--	0.00
	ind1	4	31	100.00	0.00	1.00	0.00
	ind2	4	29	100.00	0.00	1.00	0.00
	ind3	4	29	100.00	0.00	1.00	0.00
	sk1	4	31	100.00	0.00	1.00	0.00
	sk2	4	29	100.00	0.00	1.00	0.00
	sk3	4	29	100.00	0.00	1.00	0.00