

APPENDIX F

MCAS STANDARD TESTS: 2007 DOUBLE-SCORING INTER-RATER AGREEMENT PERCENTAGE TABLES

***MCAS Standard Tests:
2007 Double-Scoring Inter-Rater Agreement Percentage Tables***

Responses that were double-scored allowed a determination of the extent of agreement between the two scorers (“inter-rater agreement”; also see sections 4.1.2.3 and 4.1.2.6 of the *Report* for more information about double-scoring).

The sections below show the percentages of inter-rater agreement for both scoreable and non-scoreable responses to constructed-response items for the 2007 MCAS standard operational tests:

- English Language Arts/Reading
 - i. Language and Literature/Reading..... Appendix F, page 2
 - ii. Composition..... Appendix F, page 4
- Mathematics..... Appendix F, page 5
- Science and Technology/Engineering..... Appendix F, page 7

Appendix F

English Language Arts/Reading

Language and Literature/Reading

Table F1:	Grade 3 Reading MCAS 2007 Open-Response Inter-Rater Agreement by Item		
	Exact	Adjacent	> 1
3read 30	64.2	32.0	3.8
3read 42	66.8	30.3	2.9
TOTAL	69.3	31.2	3.3

Table F2:	Grade 4 ELA Language and Literature MCAS 2007 Open-Response Inter-Rater Agreement by Item		
	Exact	Adjacent	> 1
4read 08	69.6	29.1	1.3
4read 17	70.7	26.6	2.7
4read 26	70.2	28.4	1.4
4read 44	69.2	29.0	1.8
TOTAL	69.9	28.3	1.8

Table F3:	Grade 5 ELA Language and Literature MCAS 2007 Open-Response Inter-Rater Agreement by Item		
	Exact	Adjacent	> 1
5read 09	64.2	32.6	3.2
5read 18	64.3	31.1	4.8
5read 27	60.7	33.3	6.0
5read 45	63.7	33.0	3.3
TOTAL	63.2	32.5	4.3

Table F4:	Grade 6 ELA Language and Literature MCAS 2007 Open-Response Inter-Rater Agreement by Item		
	Exact	Adjacent	> 1
6read 09	68.0	27.5	4.5
6read 18	71.8	26.3	1.9
6read 27	65.0	31.5	3.5
6read 45	64.2	31.9	3.9
TOTAL	67.3	29.3	3.5

Table F5:	Grade 7 ELA Language and Literature MCAS 2007 Open-Response Inter-Rater Agreement by Item		
	Exact	Adjacent	> 1
7read 09	70.0	28.8	3.3
7read 18	68.5	28.6	2.9
7read 27	68.1	28.4	3.5
7read 45	71.5	25.3	3.3
TOTAL	69.5	27.8	3.3

Table F6:	Grade 8 ELA Language and Literature MCAS 2007 Open-Response Inter-Rater Agreement by Item		
	Exact	Adjacent	> 1
8read 09	72.1	25.6	2.3
8read 20	74.2	23.7	2.2
8read 28	69.7	27.4	2.9
8read 45	73.0	25.0	2.0
TOTAL	72.3	25.4	2.4

Table F7:	Grade 10 ELA Language and Literature MCAS 2007 Open-Response Inter-Rater Agreement by Item		
	Exact	Adjacent	> 1
10read 09	62.0	36.2	1.7
10read 19	56.7	38.9	4.5
10read 27	67.4	31.1	1.5
10read 45	61.5	36.6	1.9
TOTAL	61.9	35.7	2.6

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Composition

Table F8: Grade 4 ELA Composition MCAS 2007 Inter-Rater Agreement						
	Writing Topic Development			Writing Conventions		
Agreement	Exact	Adjacent	> 1	Exact	Adjacent	> 1
Percentage	62.4	35.5	2.1	65.8	32.6	2.4

Table F9: Grade 7 ELA Composition MCAS 2007 Inter-Rater Agreement						
	Writing Topic Development			Writing Conventions		
Agreement	Exact	Adjacent	> 1	Exact	Adjacent	> 1
Percentage	64.3	33.8	1.9	69.6	29.5	0.9

Table F10: Grade 10 ELA Composition MCAS 2007 Inter-Rater Agreement						
	Writing Topic Development			Writing Conventions		
Agreement	Exact	Adjacent	> 1	Exact	Adjacent	> 1
Percentage	65.4	31.1	3.5	74.9	22.2	2.9

Mathematics

Table F11:	Grade 3 Mathematics MCAS 2007 Constructed-Response Inter-Rater Agreement by Item		
	Exact	Adjacent	> 1
3math 07	94.1	5.3	0.7
3math 21	92.4	6.2	1.7
3math 28	93.5	4.0	2.5
3math 35	94.7	1.9	3.4
3math 42	93.4	5.1	1.6
TOTAL	93.6	4.5	2.0

Table F12:	Grade 4 Mathematics MCAS 2007 Constructed-Response Inter-Rater Agreement by Item		
	Exact	Adjacent	> 1
4math 10	78.0	16.9	5.1
4math 14	79.2	16.7	4.1
4math 24	76.6	19.4	4.1
4math 34	81.1	15.0	3.9
4math 38	80.7	14.8	4.5
TOTAL	79.1	16.6	4.3

Table F13:	Grade 5 Mathematics MCAS 2007 Constructed-Response Inter-Rater Agreement by Item		
	Exact	Adjacent	> 1
5math 10	81.5	16.0	2.5
5math 14	85.3	12.3	2.4
5math 24	79.3	16.0	4.8
5math 34	75.6	20.2	4.3
5math 38	84.0	11.4	4.6
TOTAL	81.1	15.2	3.7

Table F14:	Grade 6 Mathematics MCAS 2007 Constructed-Response Inter-Rater Agreement by Item		
	Exact	Adjacent	> 1
6math 10	80.8	16.4	2.8
6math 14	77.1	20.3	2.6
6math 24	73.5	23.0	3.5
6math 34	86.2	12.4	1.5
6math 38	78.8	19.2	2.0
TOTAL	79.3	18.3	2.5

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Table F15:	Grade 7 Mathematics MCAS 2007 Constructed-Response Inter-Rater Agreement by Item		
	Exact	Adjacent	> 1
7math 13	87.1	11.3	1.6
7math 26	82.5	12.8	4.8
7math 37	79.8	15.6	4.6
7math 38	88.2	9.3	2.5
7math 48	82.7	14.2	3.2
TOTAL	84.1	12.6	3.3

Table F16:	Grade 8 Mathematics MCAS 2007 Constructed-Response Inter-Rater Agreement by Item		
	Exact	Adjacent	> 1
8math 13	86.2	10.7	3.1
8math 26	85.5	11.9	2.5
8math 37	90.1	8.0	1.9
8math 38	91.1	6.5	2.5
8math 48	84.5	12.0	3.5
TOTAL	87.5	9.8	2.7

Table F17:	Grade 10 Mathematics MCAS 2007 Constructed-Response Inter-Rater Agreement by Item		
	Exact	Adjacent	> 1
10math 22	97.6	1.8	0.6
10math 24	85.6	13.4	1.0
10math 25	85.4	13.6	1.0
10math 38	77.3	21.6	1.2
10math 51	89.6	9.6	0.9
10math 52	83.3	15.8	0.8
TOTAL	86.5	12.6	0.9

Science and Technology/Engineering

Table F18:	Grade 5 Science and Technology/Engineering MCAS 2007 Open-Response Inter-Rater Agreement by Item		
	Exact	Adjacent	> 1
5sci 22	60.1	30.0	9.9
5sci 23	54.4	37.4	8.2
5sci 45	72.0	21.5	6.5
5sci 46	66.0	27.4	6.6
5sci 47	66.3	28.7	5.0
TOTAL	63.8	29.0	7.2

Table F19:	Grade 8 Science and Technology/Engineering MCAS 2007 Open-Response Inter-Rater Agreement by Item		
	Exact	Adjacent	> 1
8sci 22	81.4	12.4	6.2
8sci 23	83.5	13.4	3.2
8sci 45	70.9	23.8	5.4
8sci 46	66.9	25.7	7.5
8sci 47	68.2	23.3	8.5
TOTAL	74.2	19.7	6.2

Table F20:	High School Biology Science and Technology/Engineering MCAS 2007 Open-Response Inter-Rater Agreement by Item		
	Exact	Adjacent	> 1
HSBio13	52.9	38.4	8.7
HSBio29	64.8	30.2	5.0
HSBio30	71.4	25.5	3.1
HSBio42	86.9	11.0	2.1
HSBio49	57.9	34.3	7.8
TOTAL	66.8	27.9	5.3

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Table F21:	High School Chemistry Science and Technology/Engineering MCAS 2007 Open-Response Inter-Rater Agreement by Item		
	Exact	Adjacent	> 1
HSChem13	57.9	33.9	8.2
HSChem29	75.7	19.9	4.4
HSChem30	71.9	20.4	7.7
HSChem42	75.3	21.8	3.0
HSChem49	84.8	10.7	4.5
TOTAL	73.12	21.34	5.56

Table F22:	High School Introductory Physics Science and Technology/Engineering MCAS 2007 Open-Response Inter-Rater Agreement by Item		
	Exact	Adjacent	> 1
HSPHys13	68.0	28.4	3.6
HSPHys29	78.0	18.9	3.1
HSPHys30	58.2	33.6	8.2
HSPHys42	71.4	26.1	2.6
HSPHys49	55.5	38.2	6.3
TOTAL	66.2	29.0	4.8

Table F23:	High School Technology/Engineering Science and Technology/Engineering MCAS 2007 Open-Response Inter-Rater Agreement by Item		
	Exact	Adjacent	> 1
HSTech13	86.4	9.6	4.0
HSTech35	90.9	8.6	0.5
HSTech48	76.1	20.9	3.0
HSTech55	79.9	19.4	0.7
HSTech56	81.2	18.0	0.8
TOTAL	82.9	15.3	1.8