

## **APPENDIX H**

### **MCAS 2006 DOUBLE-SCORING INTER-RATER AGREEMENT PERCENTAGE TABLES FOR MCAS STANDARD TESTS**



### *MCAS 2006 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 for more information about double-scoring).

The sections below show the percentages of inter-rater agreement for constructed responses for the 2006 MCAS standard operational tests:

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

## *English Language Arts/Reading*

### Language and Literature/Reading

<b>Table H1: Grade 3 Reading MCAS 2006 Open-Response Inter-Rater Agreement by Item</b>			
<b>Grade 3 Reading</b>	<b>Exact</b>	<b>Adjacent</b>	<b>&gt; 1</b>
3read30	72.5	24.3	3.3
3read43	66.2	30.5	3.3
<b>TOTAL</b>	<b>69.3</b>	<b>27.4</b>	<b>3.3</b>

<b>Table H2: Grade 4 ELA Language and Literature MCAS 2006 Open-Response Inter-Rater Agreement by Item</b>			
	<b>Exact</b>	<b>Adjacent</b>	<b>&gt; 1</b>
4read08	70.6	26.4	3.0
4read18	68.9	28.5	2.6
4read26	72.6	25.3	2.1
4read44	71.7	27.1	1.2
<b>TOTAL</b>	<b>71.3</b>	<b>26.5</b>	<b>2.2</b>

<b>Table H3: Grade 5 ELA Language and Literature MCAS 2006 Open-Response Inter-Rater Agreement by Item</b>			
	<b>Exact</b>	<b>Adjacent</b>	<b>&gt; 1</b>
5read08	67.5	28.0	4.5
5read18	67.3	29.0	3.7
5read27	67.3	28.7	4.0
5read45	70.7	25.3	4.0
<b>TOTAL</b>	<b>68.1</b>	<b>27.9</b>	<b>4.0</b>

<b>Table H4: Grade 6 ELA Language and Literature MCAS 2006 Open-Response Inter-Rater Agreement by Item</b>			
	<b>Exact</b>	<b>Adjacent</b>	<b>&gt; 1</b>
6read09	67.9	27.6	4.5
6read18	69.6	24.9	5.5
6read27	62.1	30.7	7.2
6read44	68.8	27.4	3.8
<b>TOTAL</b>	<b>67.9</b>	<b>27.1</b>	<b>5.0</b>

<b>Table H5:</b>	<b>Grade 7 ELA Language and Literature MCAS 2006 Open-Response Inter-Rater Agreement by Item</b>		
	<b>Exact</b>	<b>Adjacent</b>	<b>&gt; 1</b>
7read09	71.4	25.2	3.4
7read18	70.3	26.2	3.5
7read27	67.2	28.0	4.8
7read45	70.8	26.0	3.2
<b>TOTAL</b>	<b>69.7</b>	<b>26.5</b>	<b>3.7</b>

<b>Table H6:</b>	<b>Grade 8 ELA Language and Literature MCAS 2006 Open-Response Inter-Rater Agreement by Item</b>		
	<b>Exact</b>	<b>Adjacent</b>	<b>&gt; 1</b>
8read08	68.7	28.6	2.6
8read18	61.2	26.6	2.9
8read27	68.9	26.9	4.2
8read45	72.4	25.3	2.3
<b>TOTAL</b>	<b>70.6</b>	<b>26.3</b>	<b>3.1</b>

<b>Table H7:</b>	<b>Grade 10 ELA Language and Literature MCAS 2006 Open-Response Inter-Rater Agreement by Item</b>		
	<b>Exact</b>	<b>Adjacent</b>	<b>&gt; 1</b>
10read09	62.5	35.5	2.0
10read19	60.3	36.7	3.0
10read28	64.7	32.8	2.5
10read49	66.3	30.7	3.0
<b>TOTAL</b>	<b>63.3</b>	<b>34.0</b>	<b>2.7</b>

Composition

<b>Table H8: Grade 4 ELA Composition MCAS 2006 Inter-Rater Agreement</b>						
	<b>Writing Topic Development</b>			<b>Writing Conventions</b>		
Agreement	Exact	Adjacent	> 1	Exact	Adjacent	> 1
Percentage	<b>59.8</b>	<b>37.7</b>	<b>2.5</b>	<b>68.2</b>	<b>30.5</b>	<b>1.3</b>

<b>Table H9: Grade 7 ELA Composition MCAS 2006 Inter-Rater Agreement</b>						
	<b>Writing Topic Development</b>			<b>Writing Conventions</b>		
Agreement	Exact	Adjacent	> 1	Exact	Adjacent	> 1
Percentage	<b>64.3</b>	<b>33.7</b>	<b>2.0</b>	<b>69.6</b>	<b>29.3</b>	<b>1.0</b>

<b>Table H10: Grade 10 ELA Composition MCAS 2006 Inter-Rater Agreement</b>						
	<b>Writing Topic Development</b>			<b>Writing Conventions</b>		
Agreement	Exact	Adjacent	> 1	Exact	Adjacent	> 1
Percentage	<b>67.6</b>	<b>29.5</b>	<b>2.9</b>	<b>76.9</b>	<b>20.7</b>	<b>2.4</b>

*Mathematics*

Table H11:	Grade 3 Mathematics MCAS 2006 Constructed-Response Inter-Rater Agreement by Item		
	Exact	Adjacent	> 1
3math07	92.4	5.3	2.3
3math21	97.9	.06	1.4
3math27	93.0	3.6	3.4
3math28	93.0	5.2	1.8
3math35	95.5	3.8	0.7
<b>TOTAL</b>	<b>94.3</b>	<b>3.7</b>	<b>1.9</b>

Table H12:	Grade 4 Mathematics MCAS 2006 Constructed-Response Inter-Rater Agreement by Item		
	Exact	Adjacent	> 1
4math10	95.5	3.8	0.7
4math14	84.7	13.3	4.6
4math24	83.0	13.9	3.1
4math34	84.1	12.6	3.3
4math38	79.6	17.5	2.9
<b>TOTAL</b>	<b>85.7</b>	<b>12.6</b>	<b>1.6</b>

Table H13:	Grade 5 Mathematics MCAS 2006 Constructed-Response Inter-Rater Agreement by Item		
	Exact	Adjacent	> 1
5math10	77.1	18.3	4.7
5math14	88.2	9.2	2.6
5math24	73.3	21.5	5.2
5math34	87.1	9.4	3.5
5math38	87.1	9.6	3.3
<b>TOTAL</b>	<b>82.5</b>	<b>13.6</b>	<b>3.8</b>

Table H14:	Grade 6 Mathematics MCAS 2006 Constructed-Response Inter-Rater Agreement by Item		
	Exact	Adjacent	> 1
6math10	85.4	12.2	2.4
6math14	87.1	11.2	1.8
6math24	78.7	18.3	3.0
6math34	82.0	15.2	2.8
6math38	83.0	13.8	3.2
<b>TOTAL</b>	<b>83.2</b>	<b>14.2</b>	<b>2.6</b>

<b>Table H15:</b>	<b>Grade 7 Mathematics MCAS 2006 Constructed-Response Inter-Rater Agreement by Item</b>		
	<b>Exact</b>	<b>Adjacent</b>	<b>&gt; 1</b>
7math13	84.3	12.2	3.4
7math26	84.4	12.5	3.1
7math37	84.2	12.4	3.4
7math38	86.5	11.2	2.3
7math48	87.4	11.2	1.4
<b>TOTAL</b>	<b>83.7</b>	<b>13.3</b>	<b>3.0</b>

<b>Table H16:</b>	<b>Grade 8 Mathematics MCAS 2006 Constructed-Response Inter-Rater Agreement by Item</b>		
	<b>Exact</b>	<b>Adjacent</b>	<b>&gt; 1</b>
8math13	81.0	16.0	3.0
8math26	84.7	11.3	4.1
8math37	85.0	11.7	3.3
8math38	90.9	6.4	2.7
8math48	86.3	11.4	2.4
<b>TOTAL</b>	<b>85.7</b>	<b>11.3</b>	<b>3.1</b>

<b>Table H17:</b>	<b>Grade 10 Mathematics MCAS 2006 Constructed-Response Inter-Rater Agreement by Item</b>		
	<b>Exact</b>	<b>Adjacent</b>	<b>&gt; 1</b>
10math20	82.2	17.0	0.8
10math24	80.4	18.3	1.4
10math25	80.2	18.2	1.6
10math38	79.3	19.0	1.7
10math51	85.6	13.3	1.1
10math52	83.4	13.5	3.1
<b>TOTAL</b>	<b>81.8</b>	<b>16.6</b>	<b>1.6</b>



*Science and Technology/Engineering*

<b>Table H18:</b>	<b>Grade 5 Science and Technology/Engineering MCAS 2006 Open-Response Inter-Rater Agreement by Item</b>		
	<b>Exact</b>	<b>Adjacent</b>	<b>&gt; 1</b>
5sci22	72.5	22.5	5.0
5sci23	56.9	34.4	8.6
5sci45	58.5	30.9	10.6
5sci46	60.2	28.1	11.7
5sci47	72.1	23.8	4.1
<b>TOTAL</b>	<b>64.2</b>	<b>27.6</b>	<b>8.1</b>

<b>Table H19:</b>	<b>Grade 8 Science and Technology/Engineering MCAS 2006 Open-Response Inter-Rater Agreement by Item</b>		
	<b>Exact</b>	<b>Adjacent</b>	<b>&gt; 1</b>
8sci22	74.4	17.1	8.5
8sci23	63.7	29.1	7.2
8sci45	84.8	12.0	3.2
8sci46	72.7	22.1	5.2
8sci47	67.0	28.1	4.9
<b>TOTAL</b>	<b>73.0</b>	<b>21.2</b>	<b>5.8</b>