

RUBRICS TEST MS – 4**SECTION A****Short Tasks**

Task number	Answer	Points
1.	25:2	1
2.	2 or 5	1
3.	5	1
4.	90 m	1
5.	3/15	1

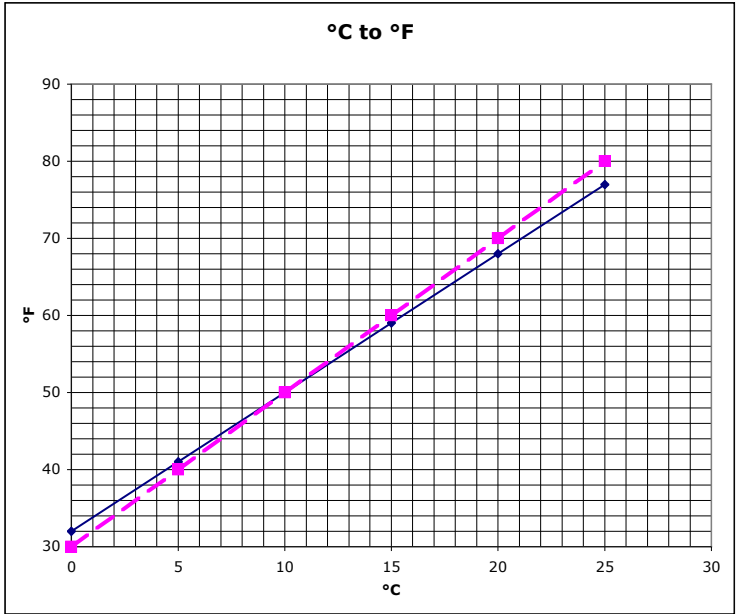
Buses	Rubric	
	points	section points
1.a. Gives correct answer: 25 miles	1	2
b. Gives correct answer: 30 minutes	1	
2.a. Draws correct line.	2	3
b. Gives correct answer: 0915	1	
3.a. Draws correct line.	2	5
b. Gives correct answer: 5	1	
May explain that it crosses graphs 5 times.	1	
c. Gives correct answer: 4 miles	1	
Total Points		10

Historic Bicycle		Rubric	
		points	section points
1.	Gives correct answer: 52π or 163 Shows correct work such as: $52 \times \pi$	2 1	3
2.	Gives correct answer: 13 feet 7 inches Shows correct work such as: $163 / 12 = 13.61$ $163 - 12 \times 13$	1ft 1ft	2
3.	Gives correct answer: 390 (accept 385 - 395) Shows correct work such as: $1760 \times 36 = 63360$ $63360 / 163$ <i>Partial credit</i> Finds correct circumference and attempts to divide into a measure for a mile.	1ft 2ft (1)	3
4.	Gives correct answer: 1120 (accept 1110 to 1130) Shows correct work such as: $63360 \div (18\pi)$ or $63360 \div 56.5$	1ft 1ft	2
Total Points			10

Octagon Tile	Rubric	
	points	section points
1. Draws a correct regular octagon	2	2
2. Gives correct answer: 16	1	1
3. Draws in all 8 correct lines of symmetry Gives correct answers: 8 22.5 Gives correct explanation such as: $360^\circ \div 16 = 22.5$ <i>Partial credit</i> Divides 360 by a number other than 16. or Incomplete explanation.	1 1ft 1ft 2ft (1)	5
4. Gives correct answer: 45 Shows correct work such as $(360 - 90 - 90 - 135)^\circ$	1 1	2
Total Points		10

Temperatures		Rubric	
		points	section points
1.	<p>Gives two correct statements such as:</p> <p>Similarities: January has the lowest temperature in both states. June and July have the greatest temperatures. Temperatures increase from the beginning of the year to the middle of the year, then decrease again.</p> <p>Differences: California's temperatures are higher than Washington's for every month. The range of temperatures is greater for California than for Washington.</p>	2x1	2
2.	<p>Gives correct answer: B</p> <p>Gives a correct explanation such as: Lowest temperature is 45° and highest is 69°. Numbers are not essential dependent on correct answer B.</p>	2 1	3
3.	<p>Gives correct answer: D</p> <p>Gives correct answer: March, April, May, June, September, October, November</p> <p>Gives correct reason such as: The temperatures are between 68° and 92°. Numbers are not essential dependent on correct answer D.</p>	2 2 1	5
Total Points			10

	A Day Out	Points	Section points																
1.	<p>Counts the number of First and Second choices for each venue. Allows, say 2 points for First choice and 1 point for Second choice we get:</p> <table border="1"> <thead> <tr> <th></th> <th>First choice</th> <th>Second choice</th> <th>Total Points</th> </tr> </thead> <tbody> <tr> <td>Zoo</td> <td>12</td> <td>5</td> <td>29</td> </tr> <tr> <td>Prison</td> <td>8</td> <td>14</td> <td>30</td> </tr> <tr> <td>Space</td> <td>10</td> <td>11</td> <td>31</td> </tr> </tbody> </table> <p>Decides that Space is the favorite choice. Accept alternative choices based on alternative decisions.</p>		First choice	Second choice	Total Points	Zoo	12	5	29	Prison	8	14	30	Space	10	11	31	<p>2</p> <p>3</p> <p>1</p>	<p>6</p>
	First choice	Second choice	Total Points																
Zoo	12	5	29																
Prison	8	14	30																
Space	10	11	31																
2.	<p>The total cost is Entrance fee $30 \times \\$10 = \\300 Bus $10 \times 2 \times \\$6 = \\120 (accept \$60) Minus \$200 \$220 (accept \$160)</p> <p>Cost per student = $\\$220 \div 30 = \\7.22 (accept \$5.34)</p> <p>Accept alternative costs based on alternative choices.</p>	<p>1</p> <p>1</p> <p>1</p> <p>1</p>	<p>4</p>																
	Total		10																

	Hot Under The Collar	Points	Section points																		
1.	Using John's rule $F = (20 \times 9) \div 5 + 32$ $F = 68$	2	5																		
	Using Anne's rule $F = 20 \times 2 + 30$ $F = 70$	2																			
	Anne is 2° too high	1																			
2.	Listing <table border="1"> <thead> <tr> <th>°C</th> <th>John °F</th> <th>Anne °F</th> </tr> </thead> <tbody> <tr> <td>5</td> <td>41</td> <td>40</td> </tr> <tr> <td>9</td> <td>48.2</td> <td>48</td> </tr> <tr> <td>10</td> <td>50</td> <td>50</td> </tr> <tr> <td>15</td> <td>59</td> <td>60</td> </tr> <tr> <td>20</td> <td>68</td> <td>70</td> </tr> </tbody> </table>	°C	John °F	Anne °F	5	41	40	9	48.2	48	10	50	50	15	59	60	20	68	70	4	5
	°C	John °F	Anne °F																		
5	41	40																			
9	48.2	48																			
10	50	50																			
15	59	60																			
20	68	70																			
Alternatively, graphs may be drawn. 	or 4																				
	Using Anne's method, for temperatures above 10°C, the °F is too high.	1	5																		
	Total		10																		