

# MeTEOR Performance Task

## Sixth Grade

Mathematics  
Ratios and Recipes

## Performance Task Scoring Rubric

### *Ratios with Recipes*

40-50 Proficient   30-39 Good   22-29 Satisfactory   15-21 Poor   0-14 Unsatisfactory

	Depth of Knowledge Level	Points	Total Possible Points for Task	Total Points Earned by Student
<p><b>Task 1:</b></p> <p>A. <math>\frac{3}{4}</math></p> <p>B. A <b>unit rate</b> in math is the expression of a rate in a quantity of one.</p> <p>C. Answers may vary. Any ratio/fraction equivalent to <math>\frac{1}{2}</math> is accurate.</p>	<b>1</b>	<b>1</b> <b>1</b> <b>1</b>	<b>3</b>	
<p><b>Task 2:</b></p> <p>A. <math>\frac{6}{9}</math></p> <p>B. <math>\frac{2}{3}</math></p> <p>C. <math>\frac{9}{12}</math></p> <p>D. <math>\frac{3}{4}</math></p> <p>E. <math>\frac{16}{20}</math></p> <p>F. <math>\frac{4}{5}</math></p>	<b>2</b>	<b>1</b> <b>1</b> <b>1</b> <b>1</b> <b>1</b> <b>1</b>	<b>6</b>	
<p><b>Task 3:</b></p> <p>A. 2 more hearts, 10 more smiley faces. Because the ratio is 4:6 and there are currently 6 hearts, students must draw an additional 2 hearts. There are currently 2 smiley faces, so students must match the 4:6 ratio and draw an additional 10 smiley faces.</p>	<b>3</b>	<b>8</b>	<b>14</b>	

<p>B.</p> <table border="1" data-bbox="204 237 560 653"> <thead> <tr> <th>Hearts</th> <th>Smiley Faces</th> </tr> </thead> <tbody> <tr> <td>4</td> <td>6</td> </tr> <tr> <td>8</td> <td>12</td> </tr> <tr> <td>12</td> <td>18</td> </tr> <tr> <td>16</td> <td>24</td> </tr> <tr> <td>20</td> <td>30</td> </tr> </tbody> </table>	Hearts	Smiley Faces	4	6	8	12	12	18	16	24	20	30		6																										
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<p><b>Task 4:</b></p> <p>A.</p> <table border="1" data-bbox="191 772 748 1146"> <tbody> <tr><td>sugar</td><td>1 cup</td></tr> <tr><td>butter</td><td>4 tablespoons</td></tr> <tr><td>water</td><td>4 tablespoons</td></tr> <tr><td>C chips</td><td>3 cups</td></tr> <tr><td>eggs</td><td>4 eggs</td></tr> <tr><td>vanilla</td><td>1 teaspoon</td></tr> <tr><td>flour</td><td>1 1/3 cups</td></tr> <tr><td>Baking soda</td><td>1/2 teaspoon</td></tr> <tr><td>salt</td><td>1 teaspoon</td></tr> </tbody> </table> <p>The measurements were all multiplied by two in order to keep the ratios equivalent.</p> <p>B.</p> <table border="1" data-bbox="191 1346 748 1719"> <tbody> <tr><td>sugar</td><td>1/4 cup</td></tr> <tr><td>Butter</td><td>1 tablespoon</td></tr> <tr><td>water</td><td>1 tablespoon</td></tr> <tr><td>C chips</td><td>3/4 cup</td></tr> <tr><td>eggs</td><td>1 egg</td></tr> <tr><td>vanilla</td><td>1/4 teaspoon</td></tr> <tr><td>flour</td><td>1/3 cup</td></tr> <tr><td>Baking soda</td><td>1/8 teaspoon</td></tr> <tr><td>salt</td><td>1/4 teaspoon</td></tr> </tbody> </table> <p>The measurements were all divided by two in order to keep the ratios equivalent.</p>	sugar	1 cup	butter	4 tablespoons	water	4 tablespoons	C chips	3 cups	eggs	4 eggs	vanilla	1 teaspoon	flour	1 1/3 cups	Baking soda	1/2 teaspoon	salt	1 teaspoon	sugar	1/4 cup	Butter	1 tablespoon	water	1 tablespoon	C chips	3/4 cup	eggs	1 egg	vanilla	1/4 teaspoon	flour	1/3 cup	Baking soda	1/8 teaspoon	salt	1/4 teaspoon	3	<p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>2</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>2</p>	22	
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<b>Task 5:</b> A. Answers will vary.	4	5	5	
<b>TOTAL POINTS:</b>				



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