

Solve the following problems and record your answers on the given line. You must show all work required to get credit!

<p>1) Fill in the missing value in the ratio table:</p> <table border="1" style="margin: 10px auto; border-collapse: collapse; text-align: center;"> <tr> <td style="width: 20px; height: 20px;">1</td> <td style="width: 20px; height: 20px;">3</td> <td style="width: 20px; height: 20px;">7</td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;">50</td> </tr> <tr> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;">21</td> <td style="width: 20px; height: 20px;">30</td> <td style="width: 20px; height: 20px;">150</td> </tr> </table>	1	3	7		50			21	30	150	<p>6) A giraffe is 35 meters tall. If one meter equals 100 centimeters, how many centimeters tall is the giraffe?</p> <p style="text-align: right;">ANSWER: _____</p>
1	3	7		50							
		21	30	150							
<p>2) Sixty is 25% of what number?</p> <p style="text-align: right;">ANSWER: _____</p>	<p>7) The table below shows the number of each color in a survey of favorite colors. Using this information, which colors does the ratio 2:3 represent?</p> <table border="1" style="margin: 10px auto; border-collapse: collapse; text-align: center;"> <tr> <th style="width: 15%;">Color</th> <th style="width: 15%;">Red</th> <th style="width: 15%;">Yellow</th> <th style="width: 15%;">Green</th> <th style="width: 15%;">Blue</th> </tr> <tr> <td>Quantity</td> <td>10</td> <td>25</td> <td>15</td> <td>40</td> </tr> </table> <p style="text-align: right;">ANSWER: _____ to _____</p>	Color	Red	Yellow	Green	Blue	Quantity	10	25	15	40
Color	Red	Yellow	Green	Blue							
Quantity	10	25	15	40							
<p>3) A recipe calls for 4 cups of flour for 48 cupcakes. How many cups of sugar are needed to make 24 cupcakes?</p> <p style="text-align: right;">ANSWER: _____</p>	<p>8) The ratio of boys to girls in a class is 3:4. If there are 21 total students in the class, how many are boys?</p> <p style="text-align: right;">ANSWER: _____</p>										
<p>4) Determine the missing value. $\frac{48}{8} = \frac{x}{30}$</p> <p style="text-align: right;">ANSWER: _____</p>	<p>9) There are 80 people eating in a Chinese restaurant. 25% of these people ordered an eggroll. How many people ordered an eggroll?</p> <p style="text-align: right;">ANSWER: _____</p>										
<p>5) Write the ratio as a unit rate, in terms of the price per Chick-Fil-A combo meal: \$30 for 4 combo meals</p> <p style="text-align: right;">ANSWER: _____</p>	<p>10) Find the ratio of basketballs to baseballs. Simplify your final answer.</p> <div style="display: flex; align-items: center; margin-bottom: 10px;"> baseballs </div> <div style="display: flex; align-items: center;"> basketballs </div> <p style="text-align: right;">ANSWER: _____</p>										



Math 6 - Unit 2: Rate, Ratio & Proportional Reasoning Name: _____

End of Unit Study Guide

ANSWER KEY

Class Period: 1 2 3 4 Date: _____

Solve the following problems and record your answers on the given line. You must show all work required to get credit!

<p>1) Fill in the missing value in the ratio table:</p> <table border="1" data-bbox="212 348 691 478"> <tbody> <tr> <td>1</td> <td>3</td> <td>7</td> <td>10</td> <td>50</td> </tr> <tr> <td>3</td> <td>9</td> <td>21</td> <td>30</td> <td>150</td> </tr> </tbody> </table>	1	3	7	10	50	3	9	21	30	150	<p>6) A giraffe is 35 meters tall. If one meter equals 100 centimeters, how many centimeters tall is the giraffe?</p> <p style="text-align: right;">ANSWER: 3500 cm</p>
1	3	7	10	50							
3	9	21	30	150							
<p>2) Sixty is 25% of what number?</p> <p style="text-align: right;">ANSWER: 240</p>	<p>7) The table below shows the number of each color in a survey of favorite colors. Using this information, which colors does the ratio 2:3 represent?</p> <table border="1" data-bbox="824 795 1502 882"> <tbody> <tr> <th>Color</th> <td>Red</td> <td>Yellow</td> <td>Green</td> <td>Blue</td> </tr> <tr> <th>Quantity</th> <td>10</td> <td>25</td> <td>15</td> <td>40</td> </tr> </tbody> </table> <p style="text-align: center;">ANSWER: RED to GREEN</p>	Color	Red	Yellow	Green	Blue	Quantity	10	25	15	40
Color	Red	Yellow	Green	Blue							
Quantity	10	25	15	40							
<p>3) A recipe calls for 4 cups of flour for 48 cupcakes. How many cups of sugar are needed to make 24 cupcakes?</p> <p style="text-align: right;">ANSWER: 2 cups</p>	<p>8) The ratio of boys to girls in a class is 3:4. If there are 21 total students in the class, how many are boys?</p> <p style="text-align: right;">ANSWER: 9 boys</p>										
<p>4) Determine the missing value. $\frac{48}{8} = \frac{x}{30}$</p> <p style="text-align: right;">ANSWER: 180</p>	<p>9) There are 80 people eating in a Chinese restaurant. 25% of these people ordered an eggroll. How many people ordered an eggroll?</p> <p style="text-align: right;">ANSWER: 20 people ordered an eggroll</p>										
<p>5) Write the ratio as a unit rate, in terms of the price per Chick-Fil-A combo meal: \$30 for 4 combo meals</p> <p style="text-align: right;">ANSWER: \$7.50 per combo meal</p>	<p>10) Find the ratio of basketballs to baseballs. Simplify your final answer.</p> <div style="display: flex; align-items: center; margin-bottom: 10px;">  baseballs </div> <div style="display: flex; align-items: center;">  basketballs </div> <p style="text-align: right;">ANSWER: 2:1</p>										