

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

1) Fill in the missing value in the ratio table:

1	3	7		50
		21	30	150

6) A giraffe is 35 meters tall. If one meter equals 100 centimeters, how many centimeters tall is the giraffe?

ANSWER: _____

2) Sixty is 25% of what number?

ANSWER: _____

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?

Color	Red	Yellow	Green	Blue
Quantity	10	25	15	40

ANSWER: _____ to _____

3) A recipe calls for 4 cups of flour for 48 cupcakes. How many cups of sugar are needed to make 24 cupcakes?

ANSWER: _____

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**?

ANSWER: _____

4) Determine the missing value. $\frac{48}{8} = \frac{x}{30}$

ANSWER: _____

9) There are 80 people eating in a Chinese restaurant. 25% of these people ordered an eggroll. How many people ordered an eggroll?

ANSWER: _____

5) Write the ratio as a unit rate, in terms of the price per Chick-Fil-A combo meal:
 \$30 for 4 combo meals

ANSWER: _____

10) Find the ratio of basketballs to baseballs. **Simplify your final answer.**



baseballs



basketballs

ANSWER: _____



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"> <thead> <tr> <th>Color</th> <th>Red</th> <th>Yellow</th> <th>Green</th> <th>Blue</th> </tr> </thead> <tbody> <tr> <td>Quantity</td> <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>										