


Mid-Chapter 1: Ratios and Rates QUIZ REVIEW

Circle your answers.

	1	2
M	<p>CARS: Audrey counted 6 motorcycles and 27 cars in the restaurant parking lot. Find the ratio of motorcycles to cars. Write the RATIO as a fraction in lowest terms. Show all work.</p>	<p>CLOTHES: For a trip, Ramona packed 6 blouses, 5 pairs of shorts, 3 pairs of jeans, and 1 skirt. Find the ratio of pairs of jeans to the total number of pieces of clothing Ramona packed. Write the RATIO as a fraction in lowest terms. Show all work.</p>
A	<p>Which of the following ratios does NOT describe a relationship between the balls?</p>  <p>A. 3 green : 6 red B. 3 green : 9 total C. 1 green : 2 red D. 1 red : 4 total</p>	<p>FOOD: Lauren counted 27 students in the cafeteria. The ratio of students that packed their lunch to those that bought lunch was 4:5. How many students bought their lunch? (Hint: Draw your ratio to solve)</p>
S	<p>Find the LCM. Show all work.</p> <p>A. 30 and 42</p> <p>Find the GCF. Show all work.</p> <p>B. 18 and 27</p>	<p>FIND THE ERROR: Julie wrote the rate \$126 in 6 weeks as a unit price. Find her mistake and correct it.</p> <p style="text-align: center;">Julie's Work:</p> $\frac{126 \div 3}{6 \div 3} = \frac{\$42}{2 \text{ weeks}}$ <p style="text-align: center;">\$42 for 2 weeks</p>

T	<p>RECYCLING: About 17 trees are saved when 1 ton of paper is recycled. If 20 tons of paper are recycled, how many trees are saved? Show all work.</p>	<p>Student Council sold 8 tickets to the spring dance in 15 minutes. At this rate, how many tickets will they sell per hour? Show all work.</p>															
E	<p>Find the LCM. Show all work.</p> <p>A. 16 and 48</p>	<p>Find the GCF. Show all work.</p> <p>A. 30 and 48</p>															
R	<p>Judy printed 36 photos in 9 minutes. How many photos did she print per minute? Show all work. (Hint, find the unit rate)</p>	<p>Prime vs. Composite:</p> <table border="1" data-bbox="906 1073 1507 1304"> <thead> <tr> <th>Number</th> <th>Prime or Composite</th> <th>List the Factors</th> </tr> </thead> <tbody> <tr> <td>18</td> <td></td> <td></td> </tr> <tr> <td>29</td> <td></td> <td></td> </tr> <tr> <td>25</td> <td></td> <td></td> </tr> <tr> <td>83</td> <td></td> <td></td> </tr> </tbody> </table>	Number	Prime or Composite	List the Factors	18			29			25			83		
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Y	<p>Sara has 16 red flowers and 24 yellow flowers. She wants to make bouquets with the same number of each color flower in each bouquet. What is the greatest number of bouquets she can make? (GCF or LCM?)</p>	<p>Two neon signs are turned on at the same time. Both signs blink as they are turned on. One sign blinks every 9 seconds. The other sign blinks every 15 seconds. In how many seconds will they blink together again? (GCF or LCM?)</p>															