## **Lesson 7 Problem-Solving Practice**

## Ratio and Rate Problems

<b>1. SCHOOL</b> The ratio of boys to girls in history class is 4 to 5. How many girls are in the class if there are 12 boys in the class?	<ul> <li>2. FACTORIES A factory produces</li> <li>6 motorcycles in 9 hours. Find how many hours it takes to produce</li> <li>16 motorcycles at this rate.</li> </ul>
<b>3. READING</b> Alejandro read 4 pages in a book in 6 minutes. How long would you expect him to take to read 6 pages at this rate?	<b>4. BAKING</b> A recipe that will make 3 pies calls for 7 cups of flour. Find how many pies can be made with 28 cups of flour.
5. TYPING Sara can type 90 words in 4 minutes. About how many words would you expect her to type in 10 minutes at this rate?	6. BASKETBALL The Lakewood Wildcats won 5 of their first 7 games this year. There are 28 games in the season. About how many games would you expect the Wildcats to win this season?
7. FOOD Two slices of Dan's Famous Pizza have 230 Calories. How many Calories would you expect to be in 5 slices of the same pizza?	8. SHOPPING Grant paid \$12 for 4 baseball card packs. How many baseball card packs can he purchase for \$21?