**Problem-Solving Practice**

***Ratio and Rate Problems***

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| **1. SCHOOL** 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? | **2. FACTORIES** A factory produces 6 motorcycles in 9 hours. Find how many hours it takes to produce 16 motorcycles at this rate. |
| **3. READING** 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? | **4. BAKING** 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? |