

Name: _____

Period: _____

Proportion Word Problems

- 1) At the pound, the ratio of dogs to pets was 2 to 4. If there are eight pets how many dogs are there?

$$\begin{array}{l} \# \text{ of dogs} = \frac{\boxed{}}{\boxed{}} = \frac{\boxed{}}{\boxed{}} \\ \text{total pets} = \end{array}$$

- 2) Of the 30 students in my class, there were 3 girls for every 9 students.
How many girls are there?

$$\begin{array}{l} \text{girls} = \frac{\boxed{}}{\boxed{}} = \frac{\boxed{}}{\boxed{}} \\ \text{total} = \end{array}$$

- 3) My Dad can drive 50 miles in an hour. How many hours will it take him to drive 200 miles?

$$\begin{array}{l} \text{miles} = \frac{\boxed{}}{\boxed{}} = \frac{\boxed{}}{\boxed{}} \\ \text{hours} = \end{array}$$

- 4) If the ratio of boys to girls is 4 to 6 and you have 8 boys in your class how many girls would you have?

$$\begin{array}{l} \text{boys} = \frac{\boxed{}}{\boxed{}} = \frac{\boxed{}}{\boxed{}} \\ \text{girls} = \end{array}$$

- 5) At the salad bar, John paid \$2.00 for a salad that weighed 4 ounces. What was the price for 16 ounces of salad?

$$\begin{array}{l} \text{ounces} = \frac{\boxed{}}{\boxed{}} = \frac{\boxed{}}{\boxed{}} \\ \text{amount} = \end{array}$$

- 6) What value for x makes the proportion true?

$$\frac{3}{4} = \frac{x}{40}$$

7) Of the 48 students in the sixth grade, the ratio of dogs to students was 2 to 3.

How many 6th graders have a dog?

$$\begin{array}{l} \text{dog} = \frac{\boxed{}}{\boxed{}} = \frac{\boxed{}}{\boxed{}} \\ \text{total} = \frac{\boxed{}}{\boxed{}} \end{array}$$

8) The movers plan to load 12 boxes in an hour. How many hours will they take to load 84 boxes?

$$\begin{array}{l} \text{boxes} = \frac{\boxed{}}{\boxed{}} = \frac{\boxed{}}{\boxed{}} \\ \text{hours} = \frac{\boxed{}}{\boxed{}} \end{array}$$

9) Sara has 3 Snickers bars and 10 Kit Kats. What is the ratio of **Snickers to the total number of candy bars**?

$$\frac{\boxed{}}{\boxed{}}$$

10) Louis will cross-multiply to solve a proportion for the value of x. After cross-multiplying, he has $2x = 156$. To get the correct value of x, by **what number will Louis divide 156 by**?

11) What value for x makes the proportion true?

$$\frac{4}{5} = \frac{40}{x}$$