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?

# of dogs = ☐/☐ = ☐/☐

total pets = ☐ ☐

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

girls = ☐/☐ = ☐/☐

total = ☐ ☐

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

miles = ☐/☐ = ☐/☐

hours = ☐ ☐

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?

boys = ☐/☐ = ☐/☐

girls = ☐ ☐

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?

ounces = ☐/☐ = ☐/☐

amount = ☐ ☐

6) What value for x makes the proportion true?

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

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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?

dog = $\frac{\square}{\square}$ = $\frac{\square}{\square}$

total = $\square$ $\square$

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

boxes = $\frac{\square}{\square}$ = $\frac{\square}{\square}$

hours = $\square$ $\square$

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

$\frac{\square}{\square}$

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?

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

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