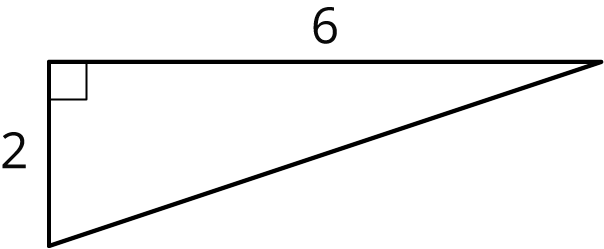
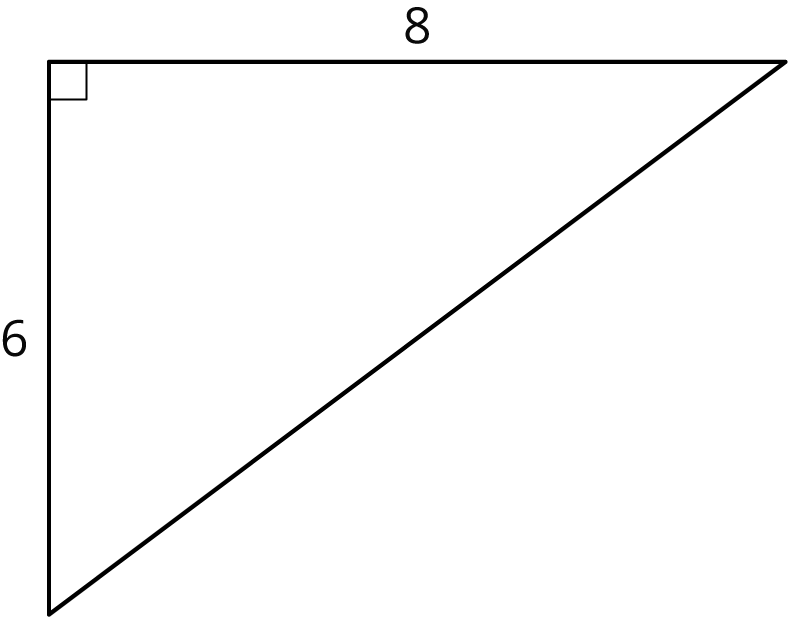
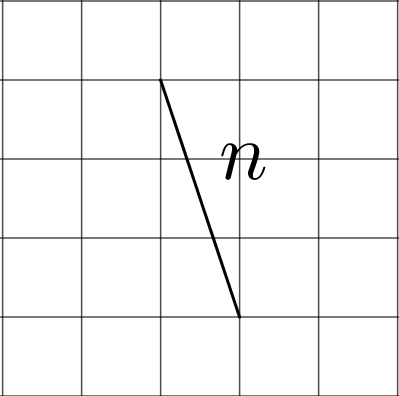
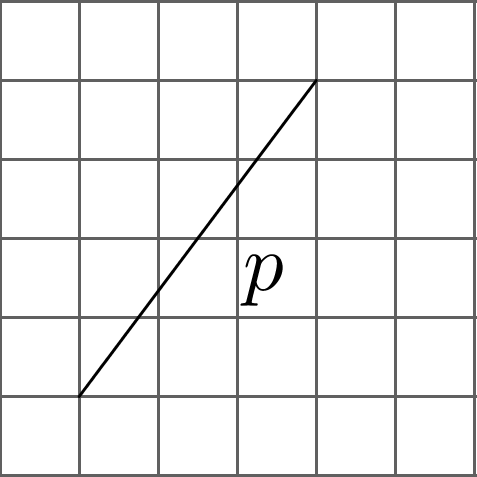
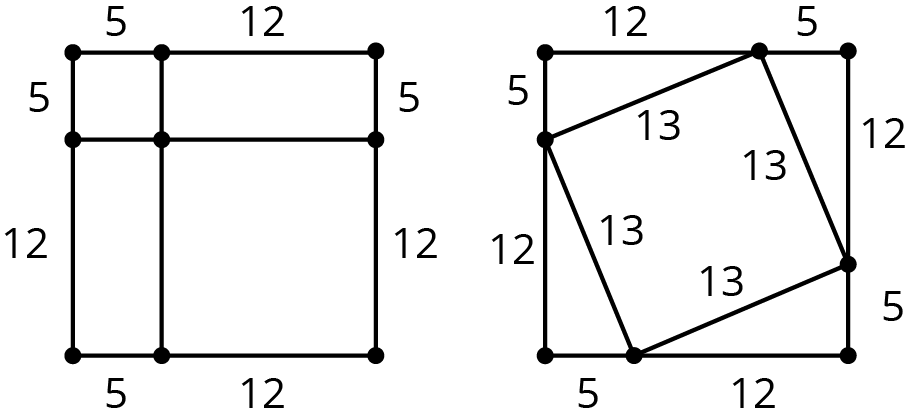
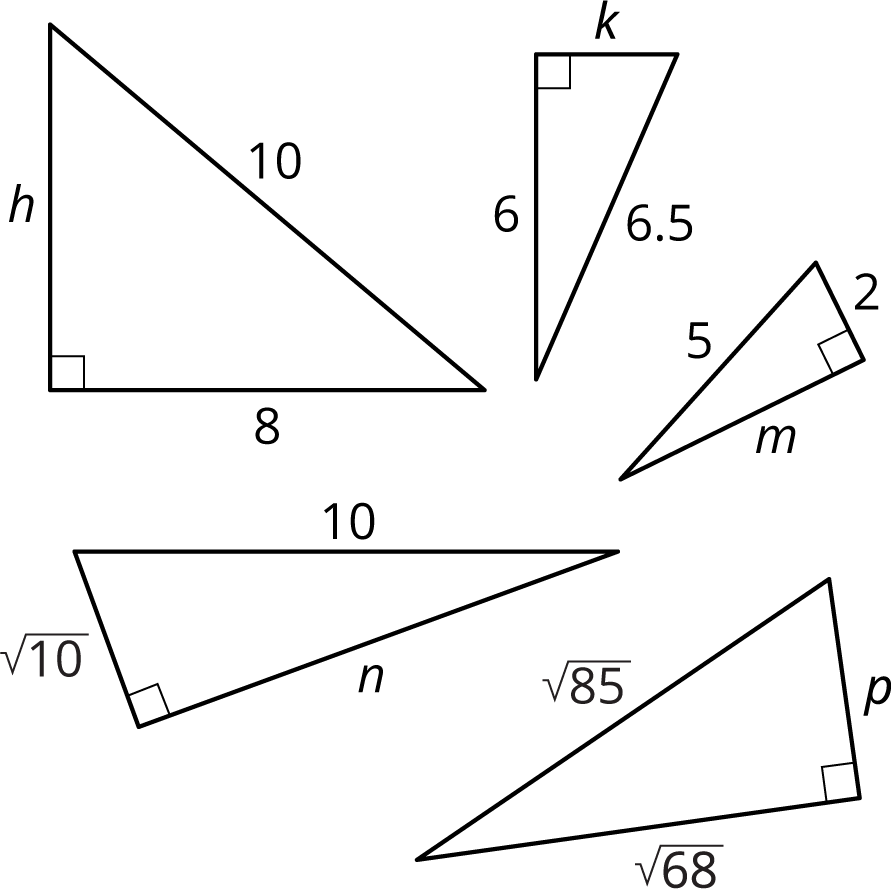
## Unit 8 Lesson 6 Cumulative Practice Problems

* 1. Find the lengths of the unlabeled sides.
  + 
  + 
  1. One segment is units long and the other is units long. Find the value of and . (Each small grid square is 1 square unit.)
  + 
  + 

1. Use the areas of the two identical squares to explain why without doing any calculations.

* 

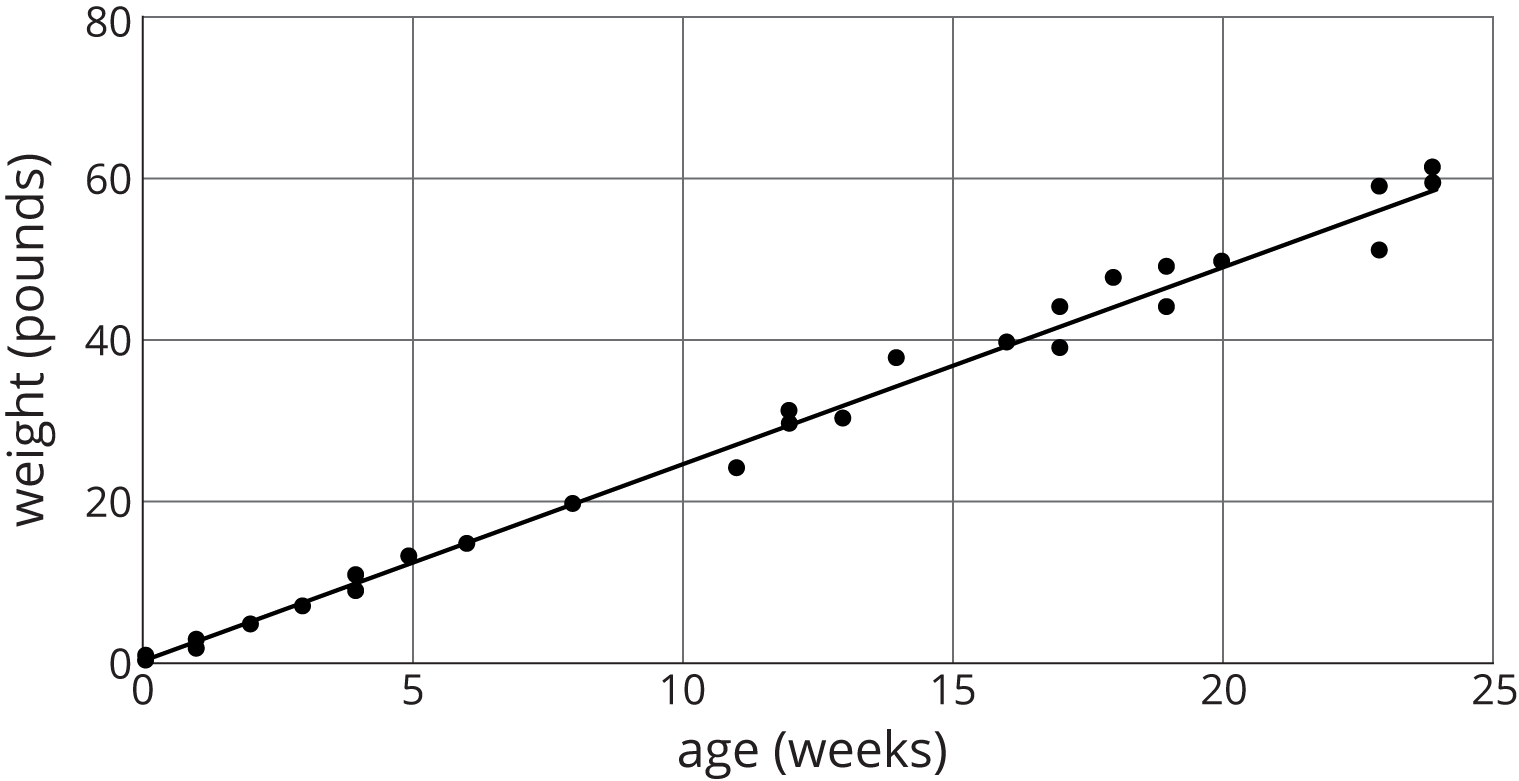
1. Find the exact value of each variable that represents a side length in a right triangle.

* 

1. Write each expression as a single power of 10.

* (From Unit 7, Lesson 4.)

1. Here is a scatter plot of weight vs. age for different Dobermans. The model, represented by , is graphed with the scatter plot. Here, represents age in weeks, and represents weight in pounds.

* 
  1. What does the slope mean in this situation?
  2. Based on this model, how heavy would you expect a newborn Doberman to be?
* (From Unit 5, Lesson 21.)



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