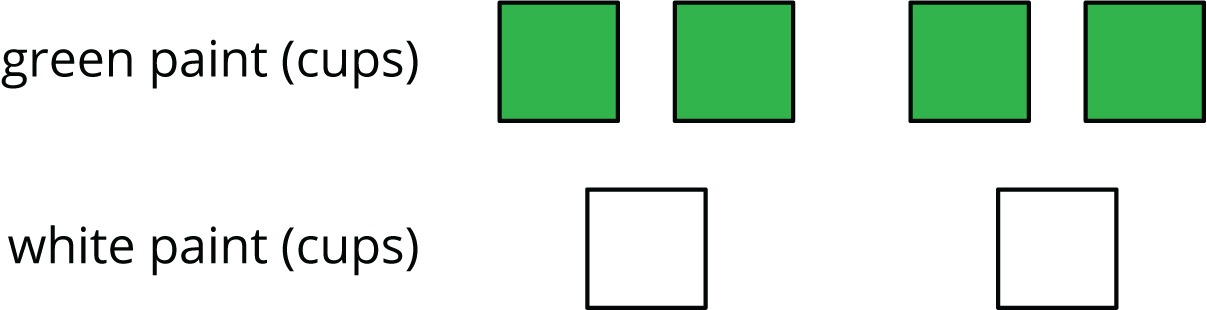
### Lesson 1 Practice Problems

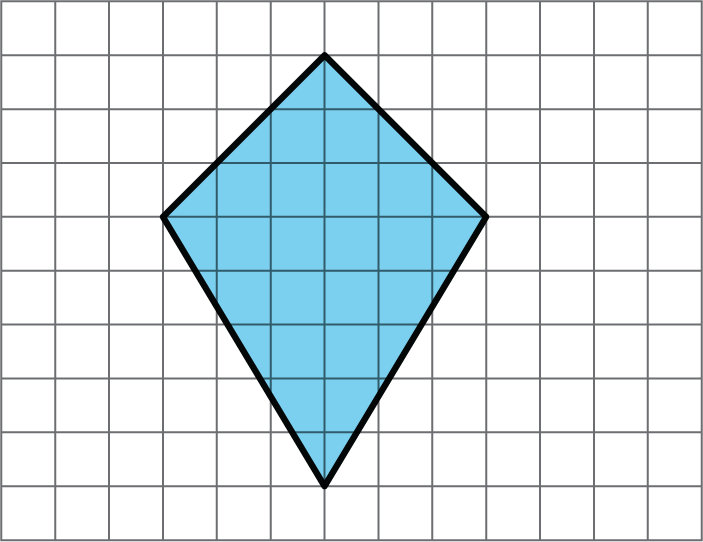
1. Here is a diagram that describes the cups of green and white paint in a mixture.

* 
* Select **all** the statements that correctly describe this diagram
  1. The ratio of cups of white paint to cups of green paint is 2 to 4.
  2. For every cup of green paint, there are two cups of white paint.
  3. The ratio of cups of green paint to cups of white paint is .
  4. For every cup of white paint, there are two cups of green paint.
  5. The ratio of cups of green paint to cups of white paint is .

1. To make a snack mix, combine 2 cups of raisins with 4 cups of pretzels and 6 cups of almonds.
   1. Create a diagram to represent the quantities of each ingredient in this recipe.
   2. Use your diagram to complete each sentence.
      * The ratio of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ to \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ to \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is \_\_\_\_\_\_\_\_ : \_\_\_\_\_\_\_\_ : \_\_\_\_\_\_\_\_.
      * There are \_\_\_\_\_\_\_\_ cups of pretzels for every cup of raisins.
      * There are \_\_\_\_\_\_\_\_ cups of almonds for every cup of raisins.
   3. A square is 3 inches by 3 inches. What is its area?
   4. A square has a side length of 5 feet. What is its area?
   5. The area of a square is 36 square centimeters. What is the length of each side of the square?

* (From Unit 4, Lesson 11.)

1. Find the area of this quadrilateral. Explain or show your strategy.

* 
* (From Unit 1, Lesson 9.)

1. Complete each equation with a number that makes it true.



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