### 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 $4:2$.
	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 $2:4$.
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.
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* (From Unit 1, Lesson 9.)
1. Complete each equation with a number that makes it true.
	* $\frac{1}{8}⋅8=\\_\\_\\_\\_\\_\\_\\_$
	* $\frac{3}{8}⋅8=\\_\\_\\_\\_\\_\\_\\_$
	* $\frac{1}{8}⋅7=\\_\\_\\_\\_\\_\\_\\_$
	* $\frac{3}{8}⋅7=\\_\\_\\_\\_\\_\\_\\_$



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