### Lesson 2 Practice Problems

1. A recipe for 1 batch of spice mix says, “Combine 3 teaspoons of mustard seeds, 5 teaspoons of chili powder, and 1 teaspoon of salt.” How many batches are represented by the diagram? Explain or show your reasoning.
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1. In a recipe for fizzy grape juice, the ratio of cups of sparkling water to cups of grape juice concentrate is 3 to 1.
	1. Find two more ratios of cups of sparkling water to cups of juice concentrate that would make a mixture that tastes the same as this recipe.
	2. Describe another mixture of sparkling water and grape juice that would taste different than this recipe.
2. Here is a diagram showing a mixture of red paint and green paint needed for 1 batch of a particular shade of brown.
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* Add to the diagram so that it shows 3 batches of the same shade of brown paint.
1. To make 1 batch of sky blue paint, Clare mixes 2 cups of blue paint with 1 gallon of white paint.
	1. Explain how Clare can make 2 batches of sky blue paint.
	2. Explain how to make a mixture that is a darker shade of blue than the sky blue.
	3. Explain how to make a mixture that is a lighter shade of blue than the sky blue.
2. Write the missing number under each tick mark on the number line.
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* (From Unit 2, Lesson 1.)
1. Find the area of the parallelogram. Show your reasoning.
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* (From Unit 1, Lesson 4.)



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