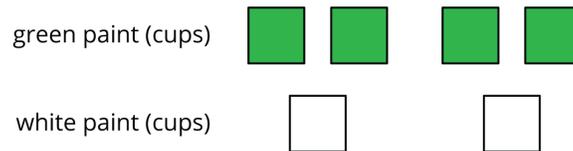


Ratios Homework #1**Unit:** Ratios**Date Assigned:** September 10, 2019**Date Due:** September 13, 2019 (Friday)

Assignments	Self-Assessment	Points Earned
Representing Ratios with Diagrams (#1-2) <ul style="list-style-type: none"> Complete the problems thoroughly. Check your answers. 	<input type="checkbox"/> I did excellent! <input type="checkbox"/> I did good. <input type="checkbox"/> I did okay. <input type="checkbox"/> I am having trouble understanding.	
Ratios with Recipes (#3-5) <ul style="list-style-type: none"> Complete the problems thoroughly. Show all of your work. Answer in complete sentences. 	<input type="checkbox"/> I did excellent! <input type="checkbox"/> I did good. <input type="checkbox"/> I did okay. <input type="checkbox"/> I am having trouble understanding.	

Total points earned: _____**Representing Ratios with Diagrams**

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.

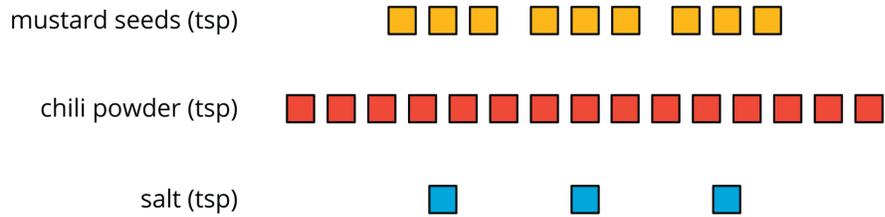
- A. The ratio of cups of white paint to cups of green paint is 2 to 4.
- B. For every cup of green paint, there are two cups of white paint.
- C. The ratio of cups of green paint to cups of white paint is 4:2.
- D. For every cup of white paint, there are two cups of green paint.
- E. The ratio of cups of green paint to cups of white paint is 2:4.
2. To make a snack mix, combine 2 cups of raisins with 4 cups of pretzels and 6 cups of almonds.
- a. Create a diagram to represent the quantities of each ingredient in this recipe.

b. 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.

Ratios with Recipes

3. 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.



4. Priya makes chocolate milk by mixing 2 cups of milk and 5 tablespoons of cocoa powder. Draw a diagram that clearly represents two batches of her chocolate milk.

5. In a recipe for fizzy grape juice, the ratio of cups of sparkling water to cups of juice concentrate is 3 to 1.
- a. 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.

- b. Describe another mixture of sparkling water and grape juice that would taste different than this recipe.
