

# Ratios in Recipes

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5th Grade Math Practice

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Solve each problem. Show your work when needed.

1. If a recipe calls for 3 cups of flour for 4 servings, how much flour is needed for 2 servings?

2. A recipe requires  $\frac{1}{2}$  cup of sugar for 8 cookies. How much sugar is needed for 4 cookies?

3. You need 2 tablespoons of oil for 5 servings. How many tablespoons are needed for 10 servings?

4. If a recipe has a ratio of 2:1 for rice to beans, how much beans would you use if you have 6 cups of rice?

5. Circle the greater ratio: 2:6:

3

or

4

6. If the ratio of water to milk is 1:2, and you have 2 cups of milk, how much water do you need? \_\_\_\_ cups

7. If you double all ingredients in a recipe, the ratio remains the same. True or False?

True

False

8. A recipe requires 3 cups of pasta for 6 servings. How much pasta is needed for 3 servings?

9. If the ratio of tomatoes to cucumbers in a salad is 5:2, how many cucumbers are needed if you have 15 tomatoes?

10. You have a recipe that uses 4 cups of broth for 3 servings. How much broth is needed for 1 serving?

11. A smoothie recipe calls for 1.5 cups of yogurt for 4 servings. How much yogurt is needed for 2 servings?

12. If you want to make a recipe that serves 10 with ingredients meant for 5, how much of a 1:2 ratio of sugar to flour do you need?

13. If the ratio of flour to sugar is 3:1, and you have 6 cups of flour, how much sugar do you need? \_\_\_\_ cups

14. Circle the greater amount of sugar:  $\frac{1}{3}$  cup or 0.25 cup

15. Increasing the amount of one ingredient in a ratio will affect the overall taste. True or False?

True  False

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**Answer Key**

1. 1.5 2.  $\frac{1}{4}$  3. 4 4. 3 5. 4:6 6. 1 7. True 8. 1.5 9. 6 10. 1.33 11. 0.75 12. 2 sugar, 4 flour 13. 2 14.  $\frac{1}{3}$  15. True