Fraction Multiplication Word Problems

4th Grade Math Practice

Name: _____ Date: _____

Solve each problem. Show your work when needed.

1. Emily has 2/3 of a cake. She wants to share it equally among 4 friends. How much cake will each friend get?

2. A recipe calls for 3/4 of a cup of sugar. If Maria makes 5 batches, how much sugar will she need in total?

3. Tom has 1/2 of a yard of ribbon. He uses 3/5 of it for a craft. How much ribbon did he use?

4. A bottle can hold 1/8 gallon of juice. How much juice is in 6 bottles?

5. Sarah has 4/5 of a yard of fabric. She cuts it into 2 equal pieces. What is the length of each piece?

6. A garden has 3/10 of its area planted with tomatoes. If the total area is 40 square feet, how much area is planted with tomatoes?

7. If a teacher uses 2/3 of a gallon of paint for a project and she has 4 projects, how much paint does she need in total?

8. In a fruit basket, 3/4 of the fruits are apples. If there are 16 fruits in total, how many are apples?

9. A recipe for cookies uses 1/2 cup of milk. If you want to make 3 batches, how much milk do you need?

10. A chef uses 2/5 of a pound of cheese for each pizza. If he makes 6 pizzas, how much cheese does he use?

11. A bottle holds 3/4 of a liter of soda. How much soda is in 5 bottles?

12. If a cyclist rides 7/10 of a mile every day for 5 days, how far does he ride in total?

13. A gardener plants 1/2 of her garden with flowers. If her garden is 20 square meters, how many square meters are flowers?

14. If a box contains 1/3 of a dozen eggs, how many eggs are in the box?

15. A smoothie recipe requires 2/5 of a banana per serving. If you make 10 servings, how many bananas do you need?

16.

Answer Key

1. 1/6 2. 15/4 or 3 3/4 3. 3/10 4. 3/4 5. 2/5 6. 12 square feet 7. 8/3 or 2 2/3 8. 12 9. 1 1/2 10. 12/5 or 2 2/5 11. 15/4 or 3 3/4 12. 7 miles 13. 10 14. 4 15. 4 16. undefined