Practice Worksheet: Multiplication of Fractions

Section A: Multiple Choice

1. What is the product of 1/2 and 3?

A) 1/6
B) 1/3
C) 3/2
D) 2/3

2. What is the product of 2/3 and 4?

A) 8/3
B) 4/3
C) 2/3
D) 1/3

3. What is the product of 3/4 and 2?

A) 3/2
B) 6/4
C) 3/8
D) 1/4

4. What is the product of 1/4 and 5?

A) 1/20
B) 5/4
C) 1/2
D) 5/4

5. What is the product of 2/5 and 3?

A) 6/5
B) 2/3
C) 6/5
D) 1/5

Section B: Short Answer

6. Explain how to multiply fractions.

7. What is the product of 3/4 and 2/3?

8. Explain how to simplify a product of fractions.

9. What is the product of 2/5 and 3/4?

10. Explain how to represent the product of fractions as a sum of equal parts.

Section C: Application Problems

11. A recipe calls for 1/4 cup of sugar. If you want to make 3/4 of the recipe, how much sugar will you need?

12. A bookshelf has 5 shelves, and each shelf can hold 3/4 of a book. If the bookshelf is currently empty, how many books can it hold in total?

13. A water tank can hold 3/4 of a liter of water. If 2/3 of the tank is already filled, how much more water can be added?

14. A pizza has 8 slices, and 3/4 of it is already eaten. How many slices are left?

15. A garden has 12 rows of flowers, and each row has 3/4 of a flower. If 2/3 of the flowers are already bloomed, how many flowers are left to bloom?

Answer Key

1: 1/2 × 3 = 3/2 = 1.5

2: 8/3

3: 6/4 = 1.5

4: 5/4

5: 6/5

6: To multiply fractions, we multiply the numerators and denominators separately and then simplify the result.

7: The product of 3/4 and 2/3 is 6/12 = 1/2.

8: To simplify a product of fractions, we cancel out any common factors in the numerators and denominators.

9: The product of 2/5 and 3/4 is 6/20 = 3/10.

10: To represent the product of fractions as a sum of equal parts, we can divide the numerator and denominator by the greatest common divisor.

11: You will need 3/4 × 1/4 = 3/16 cup of sugar.

12: The bookshelf can hold 5 × 3/4 = 15/4 = 3.75 books in total.

13: You can add 1/3 of a liter of water to the tank.

14: There are 8 × 1/4 = 2 slices left.

15: There are 12 × 3/4 × 2/3 = 24/3 = 8 flowers left to bloom.