



Multiplying Fractions – Grade 5 Practice

Name: _____

Date: _____

Grade: Grade 5

Multiply the fractions. Show your work and write each answer in simplest form. For word problems, include the multiplication expression and the simplified result.

EXAMPLE

$1/2 \times 3/4 = \underline{\hspace{2cm}}$

Step 1: Multiply the numerators: $1 \times 3 = 3$.Step 2: Multiply the denominators: $2 \times 4 = 8$.Step 3: Simplify $3/8$. It is already in simplest form. Answer: $3/8$.**Part 1: Multiply proper fractions**

1. $1/3 \times 1/2 = \underline{\hspace{2cm}}$

2. $2/5 \times 3/4 = \underline{\hspace{2cm}}$

3. $4/7 \times 2/3 = \underline{\hspace{2cm}}$

4. $5/6 \times 3/5 = \underline{\hspace{2cm}}$

5. $7/8 \times 4/9 = \underline{\hspace{2cm}}$

6. $3/10 \times 5/6 = \underline{\hspace{2cm}}$

Part 2: Multiply mixed numbers (convert to improper fractions)

7. $1 \frac{1}{2} \times 2 = \underline{\hspace{2cm}}$

8. $2 \frac{1}{3} \times \frac{3}{4} = \underline{\hspace{2cm}}$

9. $3 \frac{1}{4} \times 1 \frac{1}{2} = \underline{\hspace{2cm}}$

10. $4 \times 2 \frac{2}{5} = \underline{\hspace{2cm}}$

11. $1 \frac{2}{3} \times 2 \frac{1}{4} = \underline{\hspace{2cm}}$

Part 3: Word problems – set up and multiply

12. A recipe calls for $\frac{3}{4}$ cup of sugar. You make half of the recipe. How much sugar do you use? Show the multiplication and the simplified answer.

13. Lina walked $\frac{2}{3}$ of a kilometer each day for 3 days. What part of a kilometer did she walk in total? (Multiply the fraction by 3 and give a simplified answer.)

14. A ribbon is $\frac{5}{6}$ meter long. You cut $\frac{1}{3}$ of the ribbon off. How much ribbon did you cut? Show the multiplication and simplified result.

15. A classroom has 24 students. If $\frac{2}{3}$ of students bring a pencil and each brings $\frac{1}{2}$ of a packet of erasers, how many packets of erasers are used? (Multiply fractions and then apply to 24; give a simplified number.)

16. Sam paints $\frac{3}{4}$ of a fence in one hour. How much fence will he paint in $2\frac{1}{2}$ hours at the same rate? Show multiplication and give the simplified answer as a mixed number or simplified improper fraction.

17. A gardener uses $\frac{7}{10}$ of a bag of soil for one raised bed. She plants 4 beds. How many bags does she need? Show multiplication and simplify the answer (as a mixed number if needed).
