

Multiply Fractions by Whole Numbers

Name: _____

Grade 4 · Multiply the numerator and keep the denominator

How it works

$$4 \times \frac{2}{3} = \frac{4 \times 2}{3} = \frac{8}{3} = 2 \frac{2}{3}$$

Multiply the numerator by the whole number. Keep the denominator.

When the product is more than 1, you can write it as a mixed number: 8 thirds is 2 wholes and 2 thirds.

A. Multiply. Write the product as a fraction.

1. $2 \times \frac{1}{3} = \frac{\boxed{}}{\boxed{}}$

2. $3 \times \frac{1}{5} = \frac{\boxed{}}{\boxed{}}$

3. $4 \times \frac{2}{5} = \frac{\boxed{}}{\boxed{}}$

4. $5 \times \frac{3}{4} = \frac{\boxed{}}{\boxed{}}$

5. $2 \times \frac{5}{8} = \frac{\boxed{}}{\boxed{}}$

6. $6 \times \frac{2}{5} = \frac{\boxed{}}{\boxed{}}$

7. $3 \times \frac{5}{6} = \frac{\boxed{}}{\boxed{}}$

8. $7 \times \frac{2}{3} = \frac{\boxed{}}{\boxed{}}$

9. $4 \times \frac{3}{10} = \frac{\boxed{}}{\boxed{}}$

10. $8 \times \frac{3}{5} = \frac{\boxed{}}{\boxed{}}$

11. $5 \times \frac{7}{12} = \frac{\boxed{}}{\boxed{}}$

12. $9 \times \frac{2}{5} = \frac{\boxed{}}{\boxed{}}$

B. Multiply. Write the product as a fraction, then as a mixed number.

1. $3 \times \frac{3}{4} = \frac{\boxed{}}{\boxed{}} = \boxed{} \frac{\boxed{}}{\boxed{}}$

2. $2 \times \frac{4}{5} = \frac{\boxed{}}{\boxed{}} = \boxed{} \frac{\boxed{}}{\boxed{}}$

3. $5 \times \frac{2}{3} = \frac{\boxed{}}{\boxed{}} = \boxed{} \frac{\boxed{}}{\boxed{}}$

4. $7 \times \frac{3}{8} = \frac{\boxed{}}{\boxed{}} = \boxed{} \frac{\boxed{}}{\boxed{}}$

5. $5 \times \frac{5}{6} = \frac{\boxed{}}{\boxed{}} = \boxed{} \frac{\boxed{}}{\boxed{}}$

6. $6 \times \frac{3}{5} = \frac{\boxed{}}{\boxed{}} = \boxed{} \frac{\boxed{}}{\boxed{}}$

7. $9 \times \frac{3}{10} = \frac{\boxed{}}{\boxed{}} = \boxed{} \frac{\boxed{}}{\boxed{}}$

8. $3 \times \frac{3}{2} = \frac{\boxed{}}{\boxed{}} = \boxed{} \frac{\boxed{}}{\boxed{}}$

C. Write the missing number.

1. $\boxed{} \times \frac{2}{5} = \frac{8}{5}$

2. $3 \times \frac{\boxed{}}{8} = \frac{15}{8}$

3. $\boxed{} \times \frac{3}{4} = \frac{21}{4}$

4. $6 \times \frac{\boxed{}}{10} = \frac{18}{10}$

Multiply Fractions by Whole Numbers (Answer Key)

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How it works

$$4 \times \frac{2}{3} = \frac{4 \times 2}{3} = \frac{8}{3} = 2 \frac{2}{3}$$

Multiply the numerator by the whole number. Keep the denominator.

When the product is more than 1, you can write it as a mixed number: 8 thirds is 2 wholes and 2 thirds.

A. Multiply. Write the product as a fraction.

1. $2 \times \frac{1}{3} = \frac{2}{3}$

2. $3 \times \frac{1}{5} = \frac{3}{5}$

3. $4 \times \frac{2}{5} = \frac{8}{5}$

4. $5 \times \frac{3}{4} = \frac{15}{4}$

5. $2 \times \frac{5}{8} = \frac{10}{8}$

6. $6 \times \frac{2}{5} = \frac{12}{5}$

7. $3 \times \frac{5}{6} = \frac{15}{6}$

8. $7 \times \frac{2}{3} = \frac{14}{3}$

9. $4 \times \frac{3}{10} = \frac{12}{10}$

10. $8 \times \frac{3}{5} = \frac{24}{5}$

11. $5 \times \frac{7}{12} = \frac{35}{12}$

12. $9 \times \frac{2}{5} = \frac{18}{5}$

B. Multiply. Write the product as a fraction, then as a mixed number.

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

2. $2 \times \frac{4}{5} = \frac{8}{5} = 1 \frac{3}{5}$

3. $5 \times \frac{2}{3} = \frac{10}{3} = 3 \frac{1}{3}$

4. $7 \times \frac{3}{8} = \frac{21}{8} = 2 \frac{5}{8}$

5. $5 \times \frac{5}{6} = \frac{25}{6} = 4 \frac{1}{6}$

6. $6 \times \frac{3}{5} = \frac{18}{5} = 3 \frac{3}{5}$

7. $9 \times \frac{3}{10} = \frac{27}{10} = 2 \frac{7}{10}$

8. $3 \times \frac{3}{2} = \frac{9}{2} = 4 \frac{1}{2}$

C. Write the missing number.

1. $\boxed{4} \times \frac{2}{5} = \frac{8}{5}$

2. $3 \times \frac{\boxed{5}}{8} = \frac{15}{8}$

3. $\boxed{7} \times \frac{3}{4} = \frac{21}{4}$

4. $6 \times \frac{\boxed{3}}{10} = \frac{18}{10}$

An equal fraction is right too. For example, 10/8 is the same amount as 5/4.