

MULTIPLYING FRACTIONS

Multiplying fractions is the operation of multiplying two or more fractions together to find a product.

Multiplying fractions is used when finding the area of various shapes or when making half of a recipe. **A fraction can be multiplied by another fraction, a whole number or a mixed number.**

How to use multiplying fractions:

- To multiply fractions, simply multiply the numerators first to find the resulting numerator and then the denominators to find the resulting denominator. When multiplying fractions, **the**



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- When multiplying a fraction by a whole number, turn the whole number into a fraction by making the whole number the numerator and making 1 the denominator and then multiply. When multiplying a fraction by a mixed number, turn the mixed number into an improper fraction and then multiply.
- To turn a **mixed number into an improper fraction**, multiply the denominator by the whole number then add the numerator. The result is the new numerator and the denominator stays the same.

Try this!

1. Multiply the following fractions:

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

$$\frac{7}{8} \times \frac{4}{9} =$$

$$\frac{6}{9} \times \frac{3}{4} =$$

$$\frac{4}{12} \times \frac{3}{16} =$$

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

$$\frac{5}{9} \times 6 =$$



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