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 resulting fraction should always be reduced to lowest terms** if possible.

    Example: 4/5 × 8/9 = (4 × 8)/(5 × 9) = 32/45

- Som_____le to **cros_____inators**. This_____ resulting fract_____ ith any num_____.

    Example: 8/15 × 5/16 = 1/5 × 1/2 = 1/10

- 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:

2/3 x 4/5 =

7/8 x 4/9 =

6/9 x 3/4 =

4/12 x 3/16 =

1/3 x 4 =

5/9 x 6 =

5/6 x 2 2/3 =

7/10 x 3 4/11 =