

## **Fraction Review**

Working with fractions is one of the most challenging parts of basic arithmetic. Before you begin, you may wish to review topics at the following links:

- Multiplication facts for one-digit numbers (Multiplication of Whole Numbers)
- Least Common Multiples (Prime Factors and LCM)

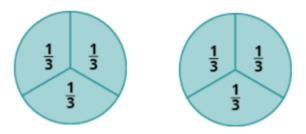
## **Understanding Fractions**

To work with fractions, you first need to be able to see them in your mind as a way to describe a portion of something. For example, if a cake has been cut into 12 pieces and five of them have been served, then  $\frac{5}{12}$  of the cake is gone and  $\frac{7}{12}$  of it is left.

For practice with writing and understanding the meaning of fractions and to find equivalent ways for writing the same fraction, start at this link: <u>Visualize Fractions</u>

## **Multiplication and Division with Fractions**

Imagine six people each have  $\frac{1}{3}$  of a pizza. The total amount of pizza is 6 times  $\frac{1}{3}$ , which is  $6 \times \frac{1}{3} = \frac{6}{3} = 2$  whole pizzas:

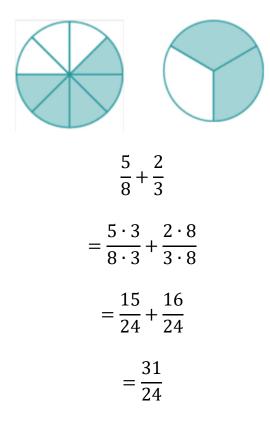


Use the following links for practice with

- <u>Multiplying and Dividing Fractions</u>
- Multiplying and Dividing Mixed Numbers and Complex Fractions

## Addition and Subtraction with Fractions

Imagine one person has  $\frac{5}{8}$  of a pizza, and another has  $\frac{2}{3}$  of a pizza, how can we determine the total amount of pizza they have together?



Use these links for practice with:

- <u>Adding & Subtracting Fractions with Common Denominators</u>
- <u>Adding & Subtracting Fractions with Different Denominators</u>
- <u>Adding & Subtracting Mixed Numbers</u>

Then complete these problems and write the fractions in simplest form.

$$\frac{3}{8} \times \frac{1}{2} =$$

$$\frac{4}{15} \div \frac{2}{5} =$$

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

$$3\frac{1}{6} - 1\frac{5}{6} =$$

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