

Adding & Subtracting Fractions

Easy Peasy

If denominators are the same

$$\frac{1}{5} + \frac{2}{5} = \frac{3}{5}$$

$$\frac{5}{7} - \frac{4}{7} = \frac{1}{7}$$

Make'm Match

If you can multiply the small denominator to make it equal the large denominator

$$\frac{1}{8} + \frac{1}{4} = \text{—}$$

$$\frac{4}{5} - \frac{1}{10} = \text{—}$$

Zip-Zap-Zup

$$\frac{2}{3} + \frac{1}{5} = \text{—}$$

$$\frac{1}{2} - \frac{2}{5} = \text{—}$$

Adding Mixed Numbers

Add the fractions first. If you get an improper fraction, change it to a mixed number and add the whole number to the other whole numbers.

$$\begin{array}{r} 4\frac{3}{5} \\ + 1\frac{2}{3} \\ \hline \end{array}$$

Subtracting Mixed Numbers

Compare the fractions first.
If the top fraction is smaller,
borrow 1 from the whole number.

$$\begin{array}{r} 8\frac{1}{4} \\ - 3\frac{2}{5} \\ \hline \end{array}$$

Multiplying Fractions

Multiply tops with tops,
bottoms with bottoms.

$$\frac{2}{5} \times \frac{1}{3} = \frac{2}{15}$$

Simplify first if you can.

$$\frac{2}{15} \times \frac{9}{8} = \text{—}$$

Dividing Fractions

Keep - Change - Flip

Keep the first fraction.

Change $\times$ to $\div$

Flip the 2nd fraction over.

$$\frac{5}{8} \div \frac{2}{3} =$$

Multiplying & Dividing Mixed Numbers

Change them to improper fractions, then multiply or divide.