

# Fractions

## Adding and Subtracting Fractions:

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

We have to make the bottom numbers the same before we can add

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

$$\frac{5}{15} + \frac{6}{15} = \frac{11}{15}$$

## Multiplying Fractions:

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

To multiply fractions we multiply across the top and the bottom

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

## Dividing Fractions:

$$\frac{1}{3} \div \frac{2}{5}$$

To divide fractions we: leave, change, flip  
Leave the first fraction  
Change the sign to a multiplication sign  
Flip the second fraction

$$\frac{1}{3} \times \frac{5}{2} = \frac{5}{6}$$