

## Percent

A **percent** is a ratio out of **100**.

$$\begin{array}{l} \text{part} \Rightarrow \\ \text{whole} \Rightarrow \end{array} \frac{x}{100} = x\%$$

## Percent

Express the following ratios as a **percent**

$$\frac{2}{5}$$

$$\frac{12}{20}$$

$$\frac{8}{5}$$

Percents can be expressed numerically or with percent sign (%).

% sign  $\Rightarrow$  40%

To expressed a percent numerically, move the decimal two places to the left.

40%

87%

25.4%

Percents can be expressed numerically or with percent sign (%).

% sign  $\Rightarrow$  40%

To expressed a percent numerically, move the decimal two places to the left.

274%

03%

0.4%

## Percent

Express the following ratios as a percent

$$\frac{2}{5} = 40\%$$

$$\frac{12}{20} = 60\%$$

$$\frac{8}{5} = 160\%$$

$$\frac{2}{5} = .40$$

$$\frac{12}{20} = .60$$

$$\frac{8}{5} = 1.60$$

Whenever we see...

“of”  $\Rightarrow$   $\times$  (multiply)

Find 25% of 24?

Find 220% of 20?

Find 5% of 400?

Whenever we see...

“What”  $\Rightarrow$   $n$  (variable)

“of”  $\Rightarrow$   $\times$  (multiply)

“is”  $\Rightarrow$   $=$  (equal)

What percent of 24 is 18?

What percent of 50 is 25?

Whenever we see...

“What”  $\Rightarrow$   $n$  (variable)

“of”  $\Rightarrow$   $\times$  (multiply)

“is”  $\Rightarrow$   $=$  (equal)

25% of what number is 15?

40% of what number is 124?

Whenever we see...

“What”  $\Rightarrow$   $n$  (variable)

“of”  $\Rightarrow$   $\times$  (multiply)

“is”  $\Rightarrow$   $=$  (equal)

125% of 60 is what number?

110% of 120 is what number?