



The Percent Equation

The part is to the whole as the percent is to 100.

$$\frac{\text{part}}{\text{whole}} = \frac{\text{percent}}{100}$$

The whole follows the word **of**. The part goes with **is**. The percent has the % sign. Name the missing one, then solve.

1 Find the part

What is 30% of 60?

? is the part



30% of it the full bar is 60

$$? / 60 = 30 / 100 \rightarrow$$

part = 18

30 hundredths of the bar. 0.30×60 .

2 Find the percent

12 is what percent of 48?

? is the percent



12 of the 48 the full bar is 48

$$12 / 48 = ? / 100 \rightarrow$$

25%

12 out of 48 = 1 out of 4 = 25 out of 100.

3 Find the whole

24 is 40% of what number?

? is the whole bar



40% = 24 the full bar is ?

$$24 / ? = 40 / 100 \rightarrow$$

whole = 60

2 boxes hold 24, so 1 holds 12 and 5 hold 60.

The whole is the full bar.