

Solving percent problems is as easy as learning four vocabulary words and phrases:

What number  $\rightarrow$   $x$  (or another variable)

of  $\rightarrow$  times

is  $\rightarrow$  equals

percent  $\rightarrow$   $\frac{\quad}{100}$

Study the examples below to see how these words and phrases help to solve percent problems.

**30 is what percent of 80**

$$\frac{30}{1} = \frac{x}{100} \times \frac{80}{1}$$

**15% of what number is 60**

$$\frac{15}{100} \times \frac{x}{1} = \frac{60}{1}$$

**What percent of 120 is 75**

$$\frac{x}{100} \times \frac{120}{1} = \frac{75}{1}$$