

# PERCENT PROBLEMS

all of these words directly mean something when rewriting as a math problem

**WHAT** = **X**

**OF** = times/multiply

**IS** = **=**

**PERCENT** = **/100**

**Practice:**

What is 35 percent of 30?

$$x = \frac{35}{100} \times 30$$

Diagram illustrating the conversion of the word problem to a math equation. Arrows point from the words in the question to the corresponding parts of the equation: 'What' points to 'x', 'is' points to '=', '35 percent' points to the fraction  $\frac{35}{100}$ , 'of' points to the multiplication symbol, and '30' points to the number 30.

Solve for X:

$$x = \frac{35 \times 30}{100} \rightarrow x = \frac{1,050}{100} \rightarrow \mathbf{10.5}$$

Solve: What is 40% of 200?

