

3.7 Percent Problems

* Translating ... looking for "is"

English	Math
What #	x
What %	x
of	\cdot (multiply)
is	$=$

Examples

1) What percent of 25 is 17?

x \cdot 25 $=$ 17

$$\frac{25x}{25} = \frac{17}{25}$$

$$x = .68 \leftarrow \text{Change to a \%}$$

68%

2) What # is 15% of 88?
 $x = .15 \cdot 88$

$$x = 13.2$$

3) 70 is 140% of what #?

$$\frac{70}{1.4} = \frac{1.40 \cdot x}{1.4}$$

$$50 = x$$