The Percent Proportion

THE PERCENT PROPORTION:

Step 1: "Slash" up the problem to make three parts - the "IS", the "OF", and the "%."

Step 2: Set up a proportion using the format shown in the box above.

<u>Step 3:</u> Fill in what you know, and let "x" be the part you are trying to figure out.

Step 4: Solve the proportion using cross-products and algebra.

Example #1:

$$\frac{52}{100} = \frac{x}{60}$$

$$\frac{1000}{100} = 3120$$

Example #2:

$$\frac{\times}{100} = \frac{24}{160}$$

 $\frac{160 \times = 2400}{160}$ 24 is 64% of what number?

Example #3:

$$\frac{64}{100} = \frac{24}{x}$$



Now you try some ...

What number is 6% of 112?

$$\frac{6}{100} = \frac{x}{112}$$

$$\frac{100 \times = 672}{100}$$

$$x = 6.72$$

What is 40% of 20?

$$\frac{40}{100} = \frac{x}{20}$$
 $\frac{100x = 800}{100}$
 $x = 8$



88 is what percent of 80?

$$\frac{x}{100} = \frac{88}{80}$$

$$\frac{8800 = 80 \times}{80}$$

