6 - 2
Write Equations for Percents

"is" means $=$

"of" means $\times$ (mult.)

% must be decimal

** then write Left to Right

Ex: What number is 40% of 75?

$$x = .40 \times 75$$

$$\boxed{x = 30}$$

Ex: What percent of 56 is 14?

$$\frac{x \cdot 56}{56} = \frac{14}{56}$$

$$x = 0.25$$

$$\boxed{25\%}$$

Ex: 68% of what number is 17?

$$\frac{.68 \cdot X}{.68} = \frac{17}{.68}$$

$$\boxed{X = 25}$$

Ex: What percent of 72 is 27?

$$\frac{x \cdot 72}{72} = \frac{27}{72}$$

$$x = 0.375$$

$$\boxed{37.5\%}$$

Ex: Tanya bought 4 concert tickets for a total of $132. She paid $9.90 in sales tax. What is the sales tax rate?

Homework:

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