# 6 - 1 Percents and Proportions

#### percent:

percent ----

whole ----

#### How to set it up:

$$\frac{2i}{100} = \frac{6\%}{00}$$

### Ex: What number is 60% of 45?

$$\frac{\%}{100} = \frac{iS}{of}$$

$$\frac{60}{100} \times \frac{2700}{100}$$
 $\frac{1000}{100} \times \frac{2700}{100}$ 

## Ex: What percent of 65 is 13?

$$\frac{0}{100} = \frac{15}{0f}$$

Ex: 20 is 25% of what number?

$$\frac{\%}{100} = \frac{15}{00}$$
 $\frac{25}{25}$ 
 $\frac{25}{25}$ 
 $\frac{25}{80} = \frac{35}{25}$ 
 $\frac{25}{80} = \frac{35}{25}$ 

Ex: Rachel buys a camera for 20% of the original price. The original price of the camera is \$79. How much money does she save?

what is 20% of 79? 
$$$79.00$$
  
 $-15.80$   
 $$43.20$   
 $$1000 = 1580$   $$15.80$ 

What did she pay for the camera?

Ex: Kelly purchases a new DVD player for \$215. The sales tax is \$11.83. What is the sales tax rate?

11.83 is what percent of 215

$$\frac{x}{100} = \frac{11.83}{215}$$

$$\frac{2|5|}{2|5} = \frac{1183}{2|5}$$

Homework:

6-1 WS (# 2 - 14 even)