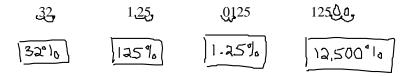
Percents

To change a percent to a decimal, move the decimal point over two places to the left.

To change a decimal to a percent, move the decimal point over two places to the right.



To change a percent to a fraction, write the percent over 100.

To change a fraction to a percent, set the fraction equal to $\frac{x}{100}$.

Percent Word Problems

English	Math Translation
What	x
ls, are, were	=
What percent	$\frac{x}{100}$
Of	Multiply

Directions: Find each answer.

1. What is 35% of 45?

$$x = \frac{35}{35} \cdot \frac{9}{45}$$

$$x = \frac{35}{100} \cdot \frac{9}{100}$$

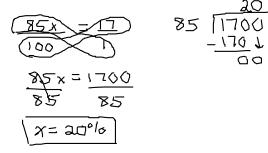
$$x = \frac{15^{3}}{4}$$

$$x = \frac{35}{100} \cdot \frac{9}{100}$$

$$x = \frac{15^{3}}{4}$$

$$x = \frac{35}{100} \cdot \frac{9}{100}$$

3. What percent of 85 is 17?



5. 9% of 340 is what number?

$$9.340 = x$$
 $153 = x$
 5
 $7 = 153$
 5
 $7 = 30^{3}/5$

2. 15 is 70% of what number?

4. 16 is what percent of 30?

$$16 = \frac{x}{100}, 30$$

$$\frac{16}{1} = \frac{300x}{100}$$

$$\frac{3}{100} = \frac{300x}{3}$$

$$\frac{3}{100} = \frac{300x}{100}$$

20