

./10/19

Percent of a Number

an find the percent of a number and apply percentage to problem solving.

EX What is 15% of 64?

$$\frac{15}{100} = \frac{x}{64}$$

$$15 \cdot 64 = 100x$$

$$\frac{960}{100} = \frac{100x}{100}$$

$$\boxed{9.6 = x}$$

EX 15 is what percent of 25?

$$\frac{x}{100} = \frac{15}{25}$$

$$25x = 100 \cdot 15$$

$$\frac{25x}{25} = \frac{1500}{25}$$

$$\boxed{x = 60\%}$$

EX 20% of what # is 8?

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

$$20x = 8 \cdot 100$$

$$\frac{20x}{20} = \frac{800}{20}$$

$$\boxed{x = 40}$$