

## Percent Problems

1. Solve each percent problem.

a) What number is 25% of 30?

b) What number is 38% of 56?

c) What percent of 62 is 50? Round to the nearest tenth of a percent.

d)  $\frac{5}{7}$  is what percent of  $\frac{11}{12}$ ? Round to the nearest tenth of a percent.

# Percent Problems

1. Solve each percent problem.

a) What number is 25% of 30?

$$\rightarrow x = 0.25 \cdot 30$$

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$$x = 7.5$$

b) What number is 38% of 56?

$$\rightarrow x = 0.38 \cdot 56$$

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$$x = 21.28$$

c) What percent of 62 is 50? Round to the nearest tenth of a percent.

$$x \cdot 62 = 50$$

$$\frac{62x}{62} = \frac{50}{62}$$

$$x = 0.806 = \boxed{80.6\%}$$

d)  $\frac{5}{7}$  is what percent of  $\frac{11}{12}$ ? Round to the nearest tenth of a percent.

$$\frac{5}{7} = x \cdot \frac{11}{12}$$

$$\frac{60}{77} = x$$

$$\left(\frac{12}{11}\right)\left(\frac{5}{7}\right) = (x)\left(\frac{11}{12}\right)\left(\frac{12}{11}\right)$$

$$0.779 = x$$

$$\boxed{77.9\% = x}$$

Multiply both sides by the reciprocal of  $\frac{11}{12}$ !