

What percent of 80 is 48?

$\frac{x}{100}$ ↓ ↓ ↓ ↓
 * 80 = 48

$$\frac{100}{80} (80x) = (48) \frac{100}{80}$$

$$x = \frac{(48)(100)}{80} = \boxed{60\%}$$

What percent is 13 of 25?

$\frac{x}{100}$ ↓ ↓ ↓
 = 13 / 25

$$\frac{x}{100} = \frac{13}{25}$$

$$25x = (100)(13)$$

$$\frac{25x}{25} = \frac{1300}{25}$$

$$x = \boxed{52\%}$$

Find 40% of 90

$$\begin{array}{ccc} \downarrow & & \downarrow \\ \frac{40}{100} & * & \frac{90}{1} \end{array}$$

$\xrightarrow{\hspace{2cm}}$

$$= \frac{(\cancel{40})(\cancel{90})}{\cancel{100}} = \boxed{36}$$

30% of X is 21

$$\begin{array}{cccc} \downarrow & \downarrow & \downarrow & \downarrow \\ \frac{30}{100} & * & X & = 21 \end{array}$$

$$\frac{30X}{100} = \frac{21}{1}$$

$$\frac{30X}{30} = \frac{(100)(21)}{30}$$

$$X = \frac{(\cancel{100})(\cancel{21})}{\cancel{30}} = \boxed{70}$$

1.) What percent of 60 is 42?

$$\frac{x}{100} * 60 = 42$$

$$\frac{60x}{100} = \frac{42}{1}$$

2.) What percent is 12 of 30?

$$\frac{x}{100} = \frac{12}{30}$$

$$\frac{60x}{60} = \frac{4200}{60}$$

$$x = 70$$

3.) Find 30% of 70

$$\frac{30}{100} * 70 = \frac{2100}{100} = 21$$

$$x = 40$$

4.) 80% of X is 64

$$\frac{80}{100} * X = 64$$

$$\frac{80x}{80} = \frac{6400}{80}$$

$$x = 80$$