

15 is 60% of what number?

$$\frac{15}{60\%} = \frac{60\%}{60\%} \cdot \frac{25}{1} = 25 = X$$

How much money is 40% of \$380?

$$X = 40\% \cdot 380$$

$$X = 152 \quad X = 0.4 \cdot 380$$

① Setup 5 blanks to be filled in

② Translations: is → =
of → multiply

③ Solve for X

* If x is a percent, be sure to convert it by multiplying by 100

Percent Conversions:

$$15\% \rightarrow 0.15 \leftarrow \frac{15}{100}$$

$$24\% \rightarrow 0.24 \leftarrow \frac{24}{100}$$

$$30\% \rightarrow 0.3 \leftarrow \frac{30}{100}$$

$$05\% \rightarrow 0.05 \leftarrow \frac{5}{100}$$

35 years is what percent of 60 years?

$$\frac{35}{60} = \frac{X}{60} \quad 0.58 = X$$

45% of 260 is what value?

$$45\% \cdot 260 = X$$

$$0.45 \cdot 260 = X$$

$$117 = X$$

$$X = 0.58 \cdot 100$$

$$X = 58\%$$

question words → X variable
(How much)
(what number)