

The Percent Proportion

Formula: $\frac{a}{b} = \frac{P}{100}$

Part \uparrow base

$\rightarrow a$ - Percent \leftarrow

$$\left(\frac{\text{is}}{\text{of}} = \frac{\%}{100} \right)$$

Ex. 1 What percent of 60 is 15?

$$\frac{a}{b} = \frac{P}{100}$$

$$\frac{15}{60} = \frac{P}{100}$$

$$\frac{100P}{60} = \frac{1500}{60}$$

$$P = 25\%$$

Ex. 2 75 is 25% of what number?

$$\frac{a}{b} = \frac{P}{100}$$

$$\frac{75}{b} = \frac{25}{100}$$

$$25b = 7500$$

$$25 \quad 25$$

$$b = 300$$

Ex. 3 What number is 32% of 28?

$$\frac{a}{b} = \frac{P}{100}$$

$$\frac{a}{28} = \frac{32}{100}$$

$$100a = 896$$

$$100 \quad 100$$

$$a = 8.96$$