

# Solving % Problems with Proport.

$$\frac{\text{is Part}}{\text{of whole}} = \frac{\%}{100}$$

## 3 Types

Find %

$$\frac{\text{is}}{\text{of}} = \frac{\%}{100}$$

What % of 200 is 25

$$\frac{25}{200} = \frac{x}{100}$$

$$\frac{200x}{200} = \frac{2500}{200}$$

$$x = 12.5\%$$

Find Part

$$\frac{x}{\text{of}} = \frac{\%}{100}$$

What is 20% of 55?

$$\frac{x}{55} = \frac{20}{100}$$

$$\frac{100x}{100} = \frac{20(55)}{100}$$

$$x = 11$$

Find whole

$$\frac{\text{is}}{x} = \frac{\%}{100}$$

40% of what number is 12

$$\frac{12}{x} = \frac{40}{100}$$

$$\frac{40x}{40} = \frac{1200}{40}$$

$$x = 30$$