

Proportion

To solve a **proportion** cross multiply.

$$\frac{a}{b} = \frac{c}{d}$$

$$a \cdot d = b \cdot c$$

Solve the following proportions

$$\frac{2}{5} = \frac{4}{x}$$

$$\frac{8}{a} = \frac{12}{9}$$

$$\frac{3}{4} = \frac{x}{20}$$

Solve the following proportions

$$\frac{2}{5} = \frac{x - 6}{10}$$

$$\frac{x}{4} = \frac{x + 4}{6}$$

Solve the following proportions

$$\frac{x + 10}{8} = \frac{2x - 7}{4}$$