

# Solving Proportions

$$\frac{1.5}{2.5} = \frac{x}{10}$$

$$1.5 = x$$

$$x = 5$$

$$\frac{10}{20} = \frac{1}{x}$$

$$20 \div 10 = x$$

$$x = 2$$

Whatever you do to the numerator (top) must be done to the denominator (bottom)

Proportions are equivalent ratios  
(two fractions that are equal)

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$$\frac{4.3}{5.4} \neq \frac{12}{20}$$

Not equivalent

The numerator and denominator are multiplied by different ~~ns~~.