

<b>B</b>	<b>i</b>	<b>n</b>	<b>G</b>	<b>O</b>
		<b>free</b>		

## **Ratio**

A comparison of two numbers by division

**3 to 1**

3 boys to one car

**2/12**

Ratio equivalent to 1/6

## **Rate**

A ratio that compares two quantities measured in different units

**20**

$$\frac{8}{18} = \frac{x}{45}$$

**1:3**

1 apple to 3 oranges

**6 pages/hr**

Unit rate for 24 pages in 4 hours

## **Unit Rate**

A rate that has a denominator of 1

**5.5 pages/hr**

Unit rate for 11 pages in 2 hours

**1/3**

Ratio equivalent to 10/30

**6**

$$\frac{3}{4} = \frac{x}{8}$$

**4.8**

$$\frac{x}{2} = \frac{12}{5}$$

**10**

$$\frac{2}{x} = \frac{20}{100}$$

**12 books per shelf**

Unit rate for 36 books for 3 shelves

**25**

$$\frac{20}{x} = \frac{4}{5}$$

**8**

$$\frac{6}{9} = \frac{x}{12}$$

**24%**

6/25 as a percent

**75%**

$\frac{3}{4}$  as a percent

**4%**

$\frac{2}{50}$  as a percent

**19/20**

95% as a fraction

**1/2**

50% as a fraction

**2/5**

40% as a fraction

**Proportion**

An equation stating that two ratios  
are equal

**7/50**

14% as a fraction

**79/100**

79% as a fraction

**0.31**

31% as a decimal

**0.09**

9% as a decimal

**0.124**

12.4% as a decimal

**0.99**

99% as a decimal

**12%**

0.12 as a percent

**33%**

0.33 as a percent

**56%**

0.56 as a percent

**12.6%**

0.126 as a percent

**25%**

0.25 as a percent

**66%**

0.66 as a percent

**21**

7% of 300

**2**

8% of 25

**75%**

24 is what percent of 32?

**2%**

What percent of 400 is 8?

**72%**

What percent of 25 is 18?