

## Proportions

An equation in the form  $\frac{a}{b} = \frac{c}{d}$  is called a \_\_\_\_\_.

(Note: a proportion is just two ratios that are equal)

**Ex 1.**

Are the following ratios proportional?

$$\frac{3.6}{5} \stackrel{?}{=} \frac{18}{25}$$

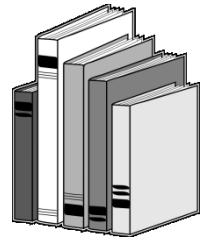
$$\frac{\frac{2}{5}}{\frac{3}{10}} \stackrel{?}{=} \frac{15}{10\frac{1}{2}}$$

**Ex 2.**

Solve:  $\frac{5}{9} = \frac{n}{27}$

**Ex 3.**

If you can read 50 pages in 60 minutes, how long would it take you to read a 240-page book?

**Ex 4.**

Suppose you drive 303.8 miles using 12.4 gallons of gas. At this rate, how much gas would it take for you to drive 1000 miles?

