

## Ratio

A \_\_\_\_\_ of two \_\_\_\_\_.

The \_\_\_\_\_ in which the numbers are written is important.

Written three ways: 3 boys to 5 girls.

## Rate

A comparison of two \_\_\_\_\_ with different \_\_\_\_\_ of \_\_\_\_\_.

126 miles driven in 2 hours.

## Unit Rate

A rate with a comparison of \_\_\_\_\_ unit.

Often uses the word \_\_\_\_\_.

Must have a \_\_\_\_\_ in the \_\_\_\_\_. Must compare different \_\_\_\_\_.

\_\_\_\_\_ must be different.

36 ounces of juice in 3 bottles.

$$\frac{\textit{ounces}}{\textit{bottle}} = \text{---} = \text{---}$$

Cross Multiply and Solve:

Don't forget to label your answer

# Proportion

A pair of \_\_\_\_\_ ratios.

Set up a proportion to find a missing value.

There are 4 boys to every 5 girls. How many boys would you expect if there were 25 girls?

$$\frac{\textit{boys}}{\textit{girls}} = \frac{\quad}{\quad} = \frac{\quad}{\quad} \quad \text{Cross Multiply and Solve:}$$

Don't forget to label your answer

# Proportion or Not?

1) Cross Multiply- Butterfly

2) Unit match \_\_\_\_\_ or \_\_\_\_\_ but not \_\_\_\_\_.

# Find Unit Rate First then Multiply

Find the unit rate. Use multiplication to find the missing value.

Emily earns \$96 after working for 8 hours.

Find the unit rate:  $\frac{\textit{dollars}}{\textit{hours}} = \frac{\quad}{\quad} = \frac{\quad}{\quad}$

Cross Multiply and Solve:

How much money would she earn if she worked 20 hours?

\_\_\_\_\_ for one hour. Multiply by \_\_\_\_\_.

## Percent Word Problems

Is/of  $\frac{\quad}{\quad} = \frac{\quad}{\quad}$

part/whole  $\frac{\quad}{\quad} = \frac{\quad}{\quad}$

## Similar Figures

Same  $\frac{\quad}{\quad}$  but not necessarily the same  $\frac{\quad}{\quad}$ .

Set up a  $\frac{\quad}{\quad} = \frac{\quad}{\quad}$ .

Cross  $\frac{\quad}{\quad}$  to solve.

Add units.

Figures can be turned and/or flipped.

