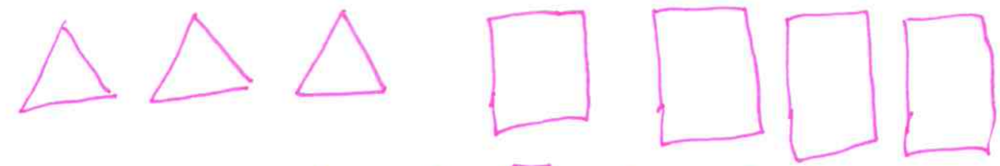
A ratio is a comparison of 2 whole numbers in the SAME unit.

A ratio is solved by simplifying, the fraction into lowest terms.

A rate is a special ratio in which the two terms are in different units. Example:

$$\frac{60 \text{ minutes}}{1 \text{ hour}}$$

A proportion is an equation of two equivalent ratios and is written in the form. $\frac{a}{b} = \frac{c}{d}$



Ratio of Δs to □s is 3:4

The ratio 4:10 $\frac{4}{10} = \frac{2}{5}$ (simplified)

Unit Rate: is a comparison of a number to one is a different unit.

Unit rates are expressed as a fraction with a denominator of 1.

Example: Apples are \$1.99 for 1 pound
UNIT RATE: $\frac{\$1.99}{1}$

$$\frac{3}{7} = \frac{x}{7}$$ > cross products

$$\frac{7x}{7} = \frac{21}{7}$$

$$x = 3$$