Unit 7 Vocabulary and Big Ideas: Ratios and Rates with Fractions, Decimals, and Percents

Compose Rollos: For two ratios, to state whether the amount of one quantity in a ratio is less than, greater than, or equal to the same quantity in the other ratio when the value of the other quantity in the ratios is the same.

Unit Rolle Strollegy: A strategy in which a table is used to solve proportions.

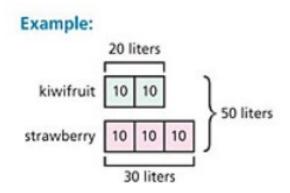
Example: In this example, the unit rate, $\frac{3}{4}$ or $\frac{3}{4}$ to 1, is used to solve the proportion 3:4 = x:5.

Cross Multiplication: I method used for solving proportions based on the fact that in a proportion, the cross-products are equal.

Example: $\frac{10}{15} = \frac{18}{27}$ is a proportion. The cross-products are equal.

 $18 \cdot 15 = 10 \cdot 27$

Tope Diagrams a drawing that looks like a segment of tape used to illustrate number relationships. Also known as a strip diagram, bar model, fraction strip, or length model.



Multiplicative Comparison: d

way of comparing two quantities using *as many* or two amounts using *as much*. A multiplicative comparison can be expressed in two ways.

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Example: When comparing 2 circles and 6 squares, the comparison can be expressed as:

There are 3 times as many squares as circles.

or

There are \frac{1}{3} as many circles as squares.
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Para In amount out of a hundred or per hundred.

Examples:
$$34\% = \frac{34}{100}$$

 $124\% = \frac{124}{100}$

Liquid Volumes d measure of how much a container can hold. Also called capacity.