

Chapter 4

ratio - a comparison of two quantities

equivalent ratios - ratios that are equal (ex $1/2$ and $4/8$)

proportion - two equal ratios

rate - compares two quantities measured in different units.

unit rate - a rate that the second quantity is equal to one

Unit conversion factor - a fraction used to compare different quantities.

Cross product - multiplying ratios diagonally to see if they are proportional .

Similar - have the same shape but not necessarily the same size.

Corresponding sides and corresponding angles are in the same relative position of the two similar polygons.

Congruent – same shape and size

Dilation – when the size of the figure is changed

Enlargement – makes it bigger

Reduction – makes it smaller

Indirect measurement - a proportion method used to find unknown lengths or distances .

scale drawing - a proportional two dimensional drawing.

scale factor - a ratio used to reduce or enlarge the original figure .

scale model - a proportional 3 dimensional model.

scale - a ratio between 2 sets of measurements.