

Ratios in Similar Polygons

ratio- a comparison of two quantities using division.

proportion- an equation stating that two ratios are equal.

means- b and c

extremes- a and d

Equality of Cross Products (Cross Multiply)

In a proportion, the product of the means is equal to the product of the extremes.

Exploring Similar Polygons

Similar Polygons: Two polygons are similar if their corresponding angles are congruent and the measures of their corresponding sides are proportional.

Scale factor: the ratio of the lengths of two corresponding sides.