

Lesson opener Activity

Similar Polygons

Polygons are similar if and only if their corresponding angles are congruent and the measures of their corresponding sides are proportional.

The symbol! means is similar to

Proportionality Statement:

$$\frac{AB}{RS} = \frac{BC}{ST} = \frac{CD}{TU} = \frac{DE}{UV} = \frac{AE}{RV}$$

The ratio of the lengths of two corresponding sides of two similar polygons is called the scale factor.

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Determine whether the polygons are similar. If they are, write a proportionality statement