

Unit 6: Similar Figures

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6.1: Similar Polygons

- Shapes are similar if:
 1. All corresponding angles are equal
 2. Corresponding sides are in the same/equal proportion

- Be able to set up proportions to determine if the corresponding sides are similar

6.2: Determining if Two Polygons are Similar

- Be able to PROVE if shapes are similar by testing out the two rules above

6.3: Drawing Similar Polygons

- By using the rules above, draw similar shapes.
 - Scale factor is the amount you multiply by
 - Scale is the ratio of the diagram measurement to the actual measurement
 - 2 in: 5km (2 inches on the diagram is 5 km in real life)

 - Percent should be turned into a decimal ($\div 100$) before multiplying

6.4: Similar Triangles

- Same rules apply except for the angles!
 - You only need to know that 2 corresponding angles are equal!
 - Because of the three angles adding to 180°