

8th Grade Math Unit 5

Topic

Transformations

Standards

G = Geometry

- 8.G.1:** Verify experimentally the properties of rotations, reflections, and translations:
- A. Lines are taken to lines, and line segments to line segments of the same length.
 - B. Angles are taken to angles of the same measure.
 - C. Parallel lines are taken to parallel lines.
- 8.G.2:** Understand that a two-dimensional figure is congruent to another if the second can be obtained from the first by a sequence of rotations, reflections, and translations; given two congruent figures, describe a sequence that exhibits the congruence between them.
- 8.G.3:** Describe the effect of dilations, translations, rotations, and reflections on two-dimensional figures using coordinates.
- 8.G.4:** Understand that a two-dimensional figure is similar to another if the second can be obtained from the first by a sequence of rotations, reflections, translations, and dilations; given two similar two-dimensional figures, describe a sequence that exhibits the similarity between them.

Resources

Units have been created locally by District 114 teachers, in alignment to grade-level state standards, and draw upon readings and activities from a variety of sources, including but not limited to ***Maneuvering the Middle***.

