Rotation 2: Scaled Drawings

Content Area: **Mathematics**
Course(s):
Time Period: **Default**
Length: **Rotation 2**
Status: **Published**

Summary

- Represent distances in the real world using scales and scale drawings.

Standards

MA.7.G.A.1	Solve problems involving scale drawings of geometric figures, including computing actual lengths and areas from a scale drawing and reproducing a scale drawing at a different scale.
MA.7.G.B.6	Solve real-world and mathematical problems involving area, volume and surface area of two- and three-dimensional objects composed of triangles, quadrilaterals, polygons, cubes, and right prisms.

Materials

Desmos Grade 7 Unit 1

Lesson 6: Introducing Scale

- I can explain what a scale is.
- I can interpret the scale of a drawing.

Lesson 7: Will It Fit?

- I can use a scale drawing and a scale to calculate actual and scaled distances.
- I can determine actual areas from a scale drawing.

Lesson 8: Scaling States

- I can create a scale drawing given a scale.
- I can describe how different scales affect lengths in a scale drawing.

Lesson 9: Scaling Buildings

- I can calculate a distance on one scale drawing based on another drawing with a different scale.
- I can determine the scale of a scale drawing.
- I can decide whether two scales will create scale drawings of the same size.

Lesson 10: Classroom Redesign

- I can choose an appropriate scale to make a scale drawing.

- I can accurately draw a complex scale drawing.

Assessment

- Observation
- Cool Downs
- Quizzes