

Unit Topic	Geometry Part 1
Standards	M07.C-G.1.1.1; M07.C-G.2.1; M07.C-G.2.2

Unit Essential Question

Lesson 1 Focus

Scale Drawings

Standards

M07.C-G.1.1.1

Students Will Know... (Key Vocabulary)

Scale, scale factor

Students Will Be Able To...

1. Use proportions to set up and solve scale drawing problems.
2. Use the scale factor from a blueprint to set up proportions.
3. Use scale drawings and their scale to determine their scale factor.

Lesson Essential Question 1

What is the best way to set up and solve most scale drawings problems?

Lesson 2 Focus

Triangles

Standards

M07.C-G.1.1.2; M07.C-G.1.1.3

Students Will Know... (Key Vocabulary)

equilateral, isosceles, scalene, acute, obtuse, right triangles, triangle inequality theorem

Students Will Be Able To...

1. Classify triangles by their sides.
2. Classify triangles by their angles.
3. Use and apply the triangle inequality theorem.

Lesson Essential Question 2

How would you describe and apply the properties of triangles?

Lesson 3 Focus

Three-Dimensional Figures

Standards

M07.C-G.1.1.4

Students Will Know... (Key Vocabulary)

Cross-section, attributes

Students Will Be Able To...

1. Identify the two-dimensional figure that will result from a cross-section of a three-dimensional figure.
2. Identify the attributes of the figure created by a cross-section.

Lesson Essential Question 3

What is the process for predicting the two-dimensional figure that results from slicing a three-dimensional figure?

Lesson 4 Focus

Angles

Standards

M07.C-G.2.1.1; M07.C-G.2.1.2

Students Will Know... (Key Vocabulary)

Supplementary, Complementary, Adjacent, alternate interior, alternate exterior, vertical and

Students Will Be Able To...

1. Identify and use supplementary, complementary and adjacent angles to find unknown angles in a figure.
2. Identify and use properties of angles formed when two parallel lines are cut by a transversal.

Lesson Essential Question 4

How can you identify and use the properties of angles?

Lesson 5 Focus

Circles

Standards

C-G.2.2.1

Students Will Know... (Key Vocabulary)

circumference

Students Will Be Able To...

1. Find the area of a circle.
2. Find the circumference of a circle.
3. Use the parts of a circle to solve problems.

Lesson Essential Question 5

What is the process for finding the area and circumference of a circle?

Major Unit Assignment Test

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