Grade 7 – Unit 8
Scale Drawings and Triangles

Parent Letter

Dear Seventh Grade Families,

In Unit 8, students will work on the following seventh grade Common Core standards in the Geometry (G) domain.

7.G.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.
7.G.2	Draw (freehand, with ruler and protractor, and with technology) geometric shapes with given conditions. Focus on constructing triangles from three measure of angles or sides, noticing when the conditions determine a unique triangle, more than one triangle, or no triangle.
7.G.3	Describe the two-dimensional figures that result from slicing three-dimensional figures, as in plane sections of right rectangular prisms and right rectangular pyramids.
7.G.5	Use facts about supplementary, complementary, vertical, and adjacent angles in a multi-step problem to write and solve simple equations for an unknown angle in a figure.

Unit 8 Concepts:
- Scaled Drawings
- Slicing Three Dimensional Figures
- Angles & Triangles
- Drawing Geometric Shapes

Ask questions like these to help your child as a productive mathematical thinker:
- How does a grid work?
- How can you tell if your answer makes sense?
- What tools can help you solve the problem?
- What do you notice when you slice three dimensional shapes?

Unit 8 Vocabulary:
- Scale
- Scale factor & drawing
- Similar Figures
- Corresponding sides

- Slice
- Cross-section
- Edge
- Vertex
- Face
- Diagonal
- Skew Lines
- Protractor

- Acute, right & obtuse angles
- Acute, right, obtuse, equilateral, isosceles & scalene triangles
- Vertical, adjacent & straight angles
- Complementary & supplementary angles
- Complementary & supplementary angles

Need a review?
Have your student login to Swun Math to access lesson support videos.

We encourage you to talk with your child daily about what was learned in math class.
Thank you for your support!