

**Weekly Lesson Plans**  
**WIDA Content and Language Objectives**  
**Strong Middle School**

**Mr. Wilkie**  
**7th-Grade Math**

Jan 5th - 9th, 2015	<b>Monday</b>	<b>Tuesday</b>	<b>Wednesday</b>	<b>Thursday</b>	<b>Friday</b>
<b>Content Objective</b>	Students will demonstrate analysis of interior angles of polygons by creating multiple polygons and utilizing methods in Problem 2.1	Students will demonstrate application of mathematical similarity by working through Problem 2.1 (Wump Family)	Students will demonstrate application of mathematical similarity by working through Problem 2.3 (Wump Hats)	Students will demonstrate analysis of mathematical similarity by working through various problems in Inv. 2.	Students will demonstrate application of mathematical similarity by creating a scale drawing.
<b>Language Objective</b>	Students will write a conjecture using the following sentence stem:  When n sides are increased by 1, the measure of the interior angles increases by _____	Students will write and share orally the following stem:  Two objects are similar when _____. (2 reasons)	Students will verbally share results of Problem 2.1 by identifying which members of Wump Problem are impostors and which are family members.	Students will verbally summarize all key vocabulary listed below:	Student will write and orally share the following definition:  A scale factor is _____. 2 traits of a scale drawing are _____.
<b>Weekly Vocabulary</b>	Triangle, Quadrilateral, Pentagon, hexagon, Heptagon, octagon, regular polygon, irregular polygon	Similarity, Scale Drawings, Coordinates, Variables, Corresponding sides, Corresponding Angles.	Similarity, Scale Drawings, Coordinates, Variables, Corresponding sides, Corresponding Angles.	Similarity, Scale Drawings, Coordinates, Variables, Corresponding sides, Corresponding Angles.	Similarity, Scale Drawings, Coordinates, Variables, Corresponding sides, Corresponding Angles, Scale Factor
<b>CCS covered and Strand</b>	<a href="#">7.G.B.5</a> Use facts about complementary, supplementary to solve for unknowns.	<a href="#">7.RP.A.2</a> Recognize Proportional relationships between quantities.	<a href="#">7.RP.A.2</a> Recognize Proportional relationships between quantities.	<a href="#">7.RP.A.2</a> Recognize Proportional relationships between quantities.	<a href="#">7.RP.A.2</a> Recognize Proportional relationships between quantities.

**Monday:** Grade Quiz, summarize polygons **Tuesday:** Problem 2.1 Wump Family **Wed:** Problem 2.2 (Wump Hats)  
**Thurs:** Bookwork/Review **Fri:** Scale Drawing