AngLegs Practice Kit

Materials used for these activities: *AngLegs Set* available through ETA Hand2Mind at www.hand2mind.com

Activity #1

AngLegs are line segments that can be joined together to make closed figures called polygons.

Make as many different types of polygons using the AngLeg pieces.

1. How many sides did the polygon with the least number of sides have? Draw and describe what you built? What is the name of this polygon? Does it have any other names?

2. How many sides did the polygon with the greatest number of sides have? Draw and describe what you built? What is the name of this polygon? Does it have any other names?

Each AngLeg has its length stated in cm. Find the length of each color of AngLeg.

Color	Length of AngLeg in centimeters (cm)
Blue	
Orange	
Green	
Red	
Yellow	
Purple	

Activity #2

1. Create the following triangles using AngLegs. Then using a protractor find the angle measurement for each angle (A,B,C), and total the angles.

Triangle	AngLegs	Angle Measurement	Total Angle
Equilateral	3 purple	A: B: C:	
Isosceles	2 green, 1 blue	A: B: C:	
Scalene	1 Yellow, 1 Orange, 1 Green	A: B: C:	

2. What did you notice about the sum of the angles of each triangle?

3. Using the triangles above find the perimeter of each triangle.

Triangle	AngLegs	Side Measurement	Perimeter
Equilateral	3 Blue	A: B: C:	
Isosceles	2 Blue, 1 Red	A: B: C:	
Scalene	1 Blue, 1 Red, 1 Green	A: B: C:	

Activity #3

Reflect and respond to at least two prompts below.

- I learned_____ about _____.
- AngLegs helped

Activity #4

Technology Connection

Use Google to explore the following questions.

Can an equilateral triangle be classified as an isosceles triangle too?

Can a square be classified as a rectangle too?

Classifying Triangles by Angle

http://www.math-play.com/classifying-triangles/classifying-triangles.html

A Quiz on Types of Triangles

http://www.henryanker.com/Math/Geometry/Types_of_Triangles_Set_01.swf

Measuring Angles with a Protractor

http://www.mathplayground.com/measuringangles.html

Alien Angles (Challenging)

http://www.mathplayground.com/alienangles.html