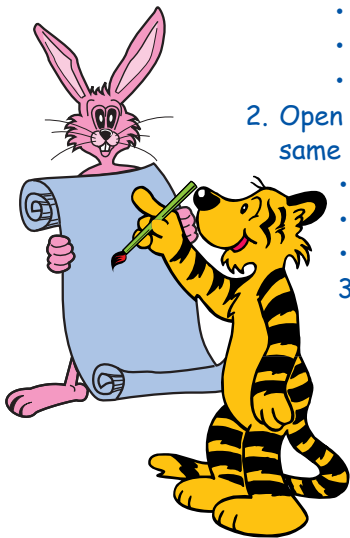


Growing Shapes

OBJECTIVE: Students will identify, create and describe characteristics of shapes.

MATERIALS: AngLegs
Paper
Pencils

- PROCEDURE:**
1. Use three same colored AngLegs to create a regular polygon.
 - What is it? Name it.
 - Draw it.
 - Where might you see this shape?
 2. Open the polygon and add another same colored AngLeg.
 - What is it? Name it.
 - Draw it.
 - Where might you see this shape?
 3. Open the polygon one more time and add another same colored AngLeg.
 - What polygon did you make now?
 - Draw it.
 - Where might you see this shape?



Late Elementary (3-5)
NCTM Geometry Standard
Measurement of Triangles



ACTIVITY 8

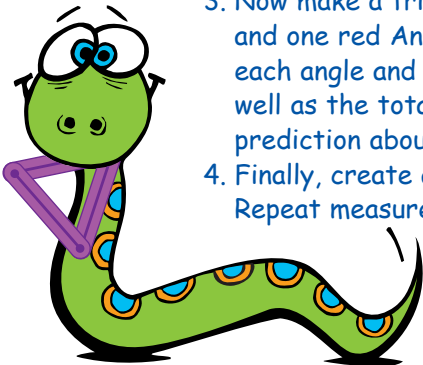
Triangles Rule

OBJECTIVE: Students will create a rule for the measurement of triangles.

MATERIALS: AngLegs Protractor
Pencil Paper

PROCEDURE:

1. Create a triangle using two purple and one green AngLeg. What type of triangle did you make? Place the protractor on each vertex. Record the measurement of each angle.
2. Add the sum of all the angles together. Record the results.
3. Now make a triangle using two yellow and one red AngLeg. Again, measure each angle and record the results, as well as the total sum. Can you make a prediction about triangles?
4. Finally, create a triangle of your own. Repeat measurements. Was your prediction correct? Write a triangle rule.





ACTIVITY 3



Triangles

OBJECTIVE: Students will construct and identify triangles.

MATERIALS: AngLegs
Protractor

PROCEDURE: Using three (3) AngLegs, form, measure and record the following triangles.

Triangle	AngLegs	Angles Degrees	Total Angle
Equilateral Triangle	3 Blue	A:60° B:60° C:60°	180°
Isosceles Triangle	2 Blue, 1 Red	A: B: C:	
Scalene Triangle	1 Blue, 1 Red, 1 Green	A: B: C:	
Right Triangle	1 Blue, 2 Green	A: B: C:	
Right Triangle	2 Yellow, 1 Red	A: B: C:	
Acute Triangle	2 Green, 1 Orange	A: B: C:	
Obtuse Triangle	2 Purple, 1 Blue	A: B: C:	

