Name: _____

Math Enrichment Question
Chapter 9
Squares and Rectangles

If you have a handful of shapes that have a total of 28 sides and 28 vertices, how many shapes do you have?

Solve Below:

Name: _____

Math Enrichment Question
Chapter 9
Triangles and Trapezoids

How many triangles would have 18 sides? How many vertices would there be?

How many trapezoids would have 36 sides? How many vertices would there be?
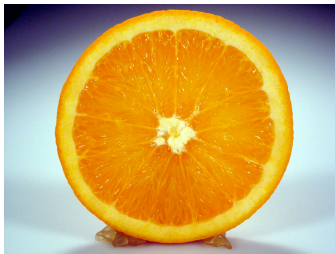
Names: _____

Math Enrichment Question
Chapter 9
Circles

Sarah has a pile of 12 shapes. The total of those shapes has 11 sides and 11 vertices. How is this possible?

Name: _____

Math Enrichment Question
Chapter 9
Compare Shapes

Circle the objects that will add up to 13 sides.

Name: _____

Math Enrichment Question
Chapter 9
Composite Shapes

Create a composite shape using 5 shapes (Triangle, Hexagon, and Trapezoid). Draw the outline and trade with a partner. Give them the shapes and have them figure it out.
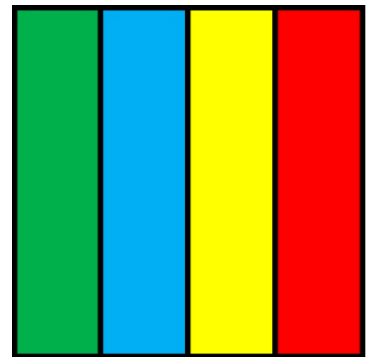
Names: _____

Math Enrichment Question
Chapter 9
Composite Shapes

Create a composite shape using 9 shapes (Triangle, Hexagon, and Trapezoid). Draw the outline and trade with a partner. Give them the shapes and have them figure it out.
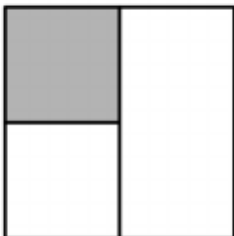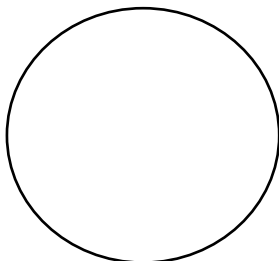
Names: _____

Math Enrichment Question
Chapter 9
Equal Parts

Explain why this shape has equal parts:

_____
_____
_____
_____
_____

Why does this not have equal parts:
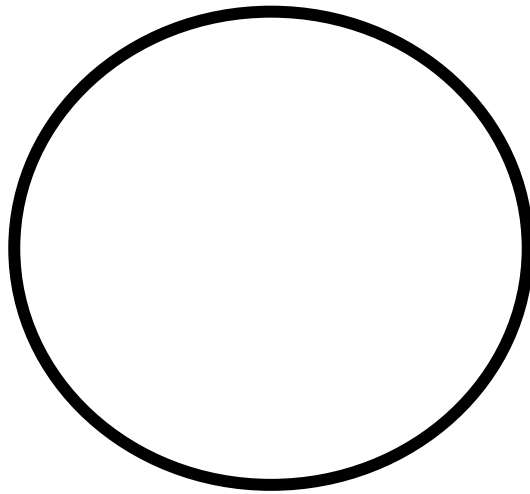
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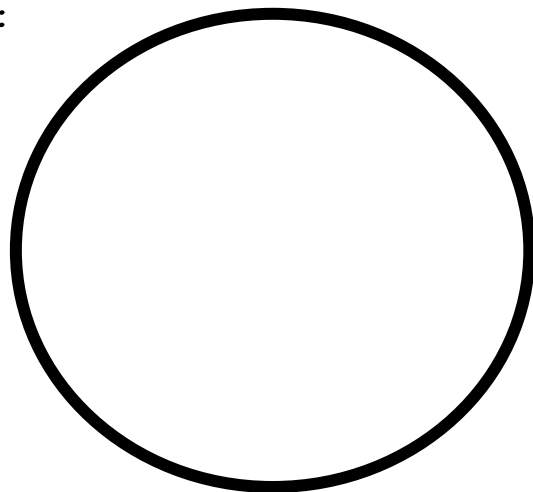_____

Divide these shapes into 6 equal parts:

Names: _____

Math Enrichment Question
Chapter 9
Halves

If I have half of a pizza, and half of my half was pepperoni and the other half cheese, fill in the circle to represent my pizza.

Fill in a pizza with equal parts cheese, pepperoni, and pineapple:

Names: _____

Math Enrichment Question
Chapter 9
Quarters and Fourths

If a quarter of a dollar is a quarter, how much would half a dollar equal?

Divide the following shape into fourths 3 different ways: