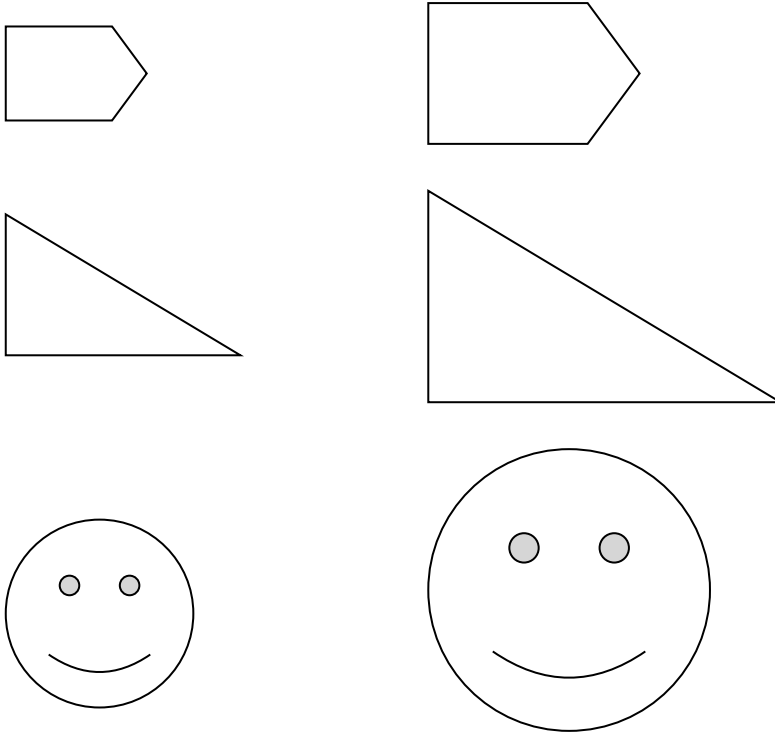


Strand: Algebra
Skill Addressed: Understanding Ratio
Activity: *Similar Geometric Shapes*

Name: _____
Blk: _____



Example: 1 is to 1.5 as 2 is to _____

There are multiple ways of representing this concept. For example:

$$\frac{1}{1.5} = \frac{2}{x}$$

or

$$1:1.5 \quad \text{as} \quad 2:x$$

Which method of representing equivalent ratios do you prefer? _____

What do you know about equivalent ratios? _____

Can you try to solve this ratio?

Application: Similar Geometric Shapes (continued)



Recipe to make pasta:

A simple recipe to make pasta is to use one egg and 1.5 cups of Flour.

The family is coming to dinner and you have 2 eggs! How much flour should you use?

There are many ways to set up this information:

$\frac{1}{2} = \frac{1.5}{x}$ ← In this example, the eggs are on the left, and the first recipe is represented by the numerators of the fractions.

You can also think of it in table form if you like:

	eggs	flour
recipe 1		
recipe 2		

How many ways do you think you could set up the information? [hint: in how many ways can you interchange the titles in the rows and columns of the table?]



Think about it and answer carefully!