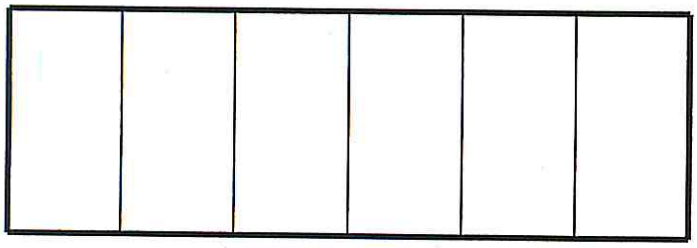
6.RP.1

NAME: _____

RATIO PROBLEMS #1

1.) Shade 4 of the equal parts of the rectangle.



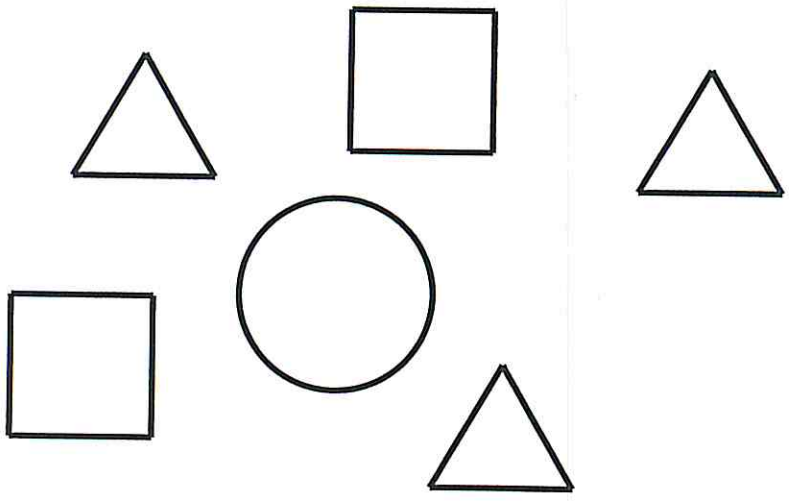
a.) What is the ratio of shaded parts to white parts? _____

What kind of a ratio is number 1a? part to part ratio or part to whole ratio

b.) What is the ratio of shaded parts to the total of the parts? _____

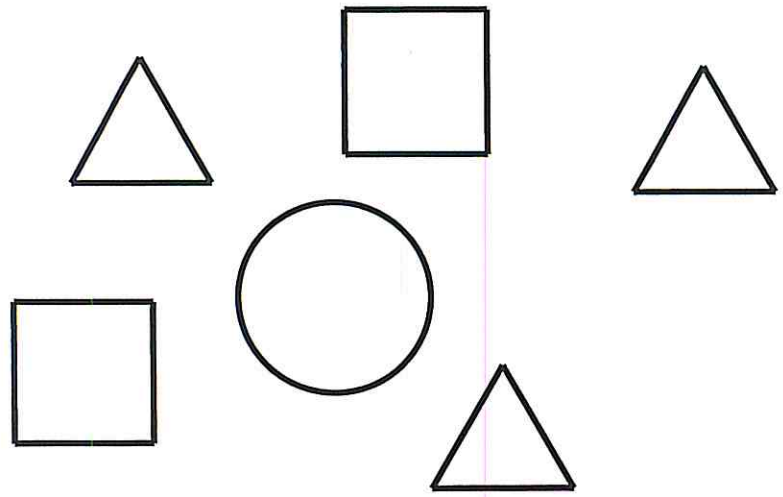
What kind of a ratio is number 1b? part to part ratio or part to whole ratio

2a.) Which shapes are in the ratio of 2:3? _____



2b.) What is the ratio of the triangles to the total number of shapes? _____

What kind of a ratio is number 2b? part to part ratio or part to whole ratio



3.) Write the ratio of circles to triangles in these forms:

Colon: _____: _____

Fraction: _____

Words using ratio language: _____

_____

4.) Two trucks can carry 6 boxes.

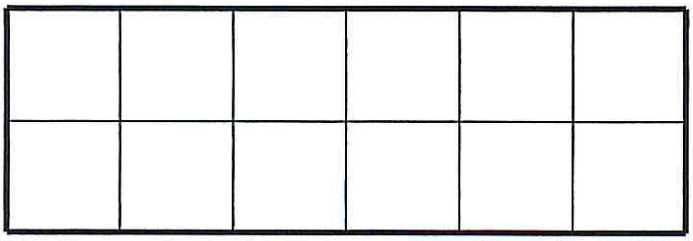
a.) Write this ratio using the "to" form. _____

b.) Write 3 equivalent ratios. Show your work to determine the equivalent ratios.

6.RP.1 NAME: _____

RATIO PROBLEMS #3

1.) Shade 5 of the equal parts of the rectangle.



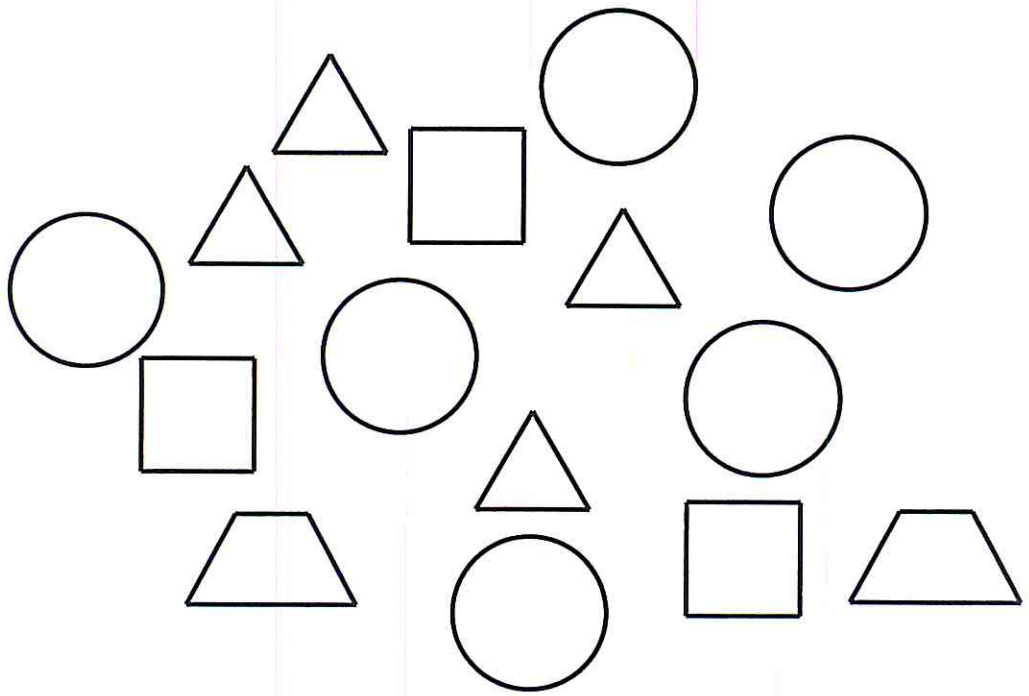
a.) What is the ratio of shaded parts to white parts? _____

What kind of a ratio is number 1a? part to part ratio or part to whole ratio

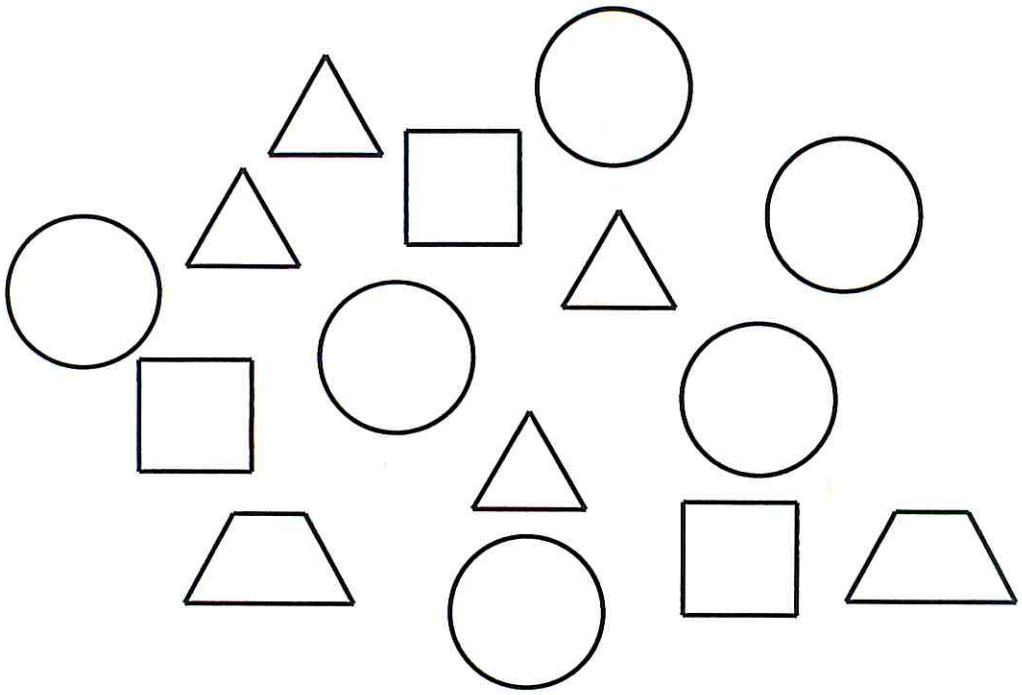
b.) What is the ratio of shaded parts to the total of the parts? _____

What kind of a ratio is number 1b? part to part ratio or part to whole ratio

2a.) Which shapes are in the ratio of 2:3? _____



2b.) 5:15 is the ratio for _____ to total shapes.



3.) Write the ratio of circles to triangles in these forms:

Colon: _____: _____

Fraction: _____

Words using ratio language: _____

_____

4.) There are 30 birds to 3 cages.

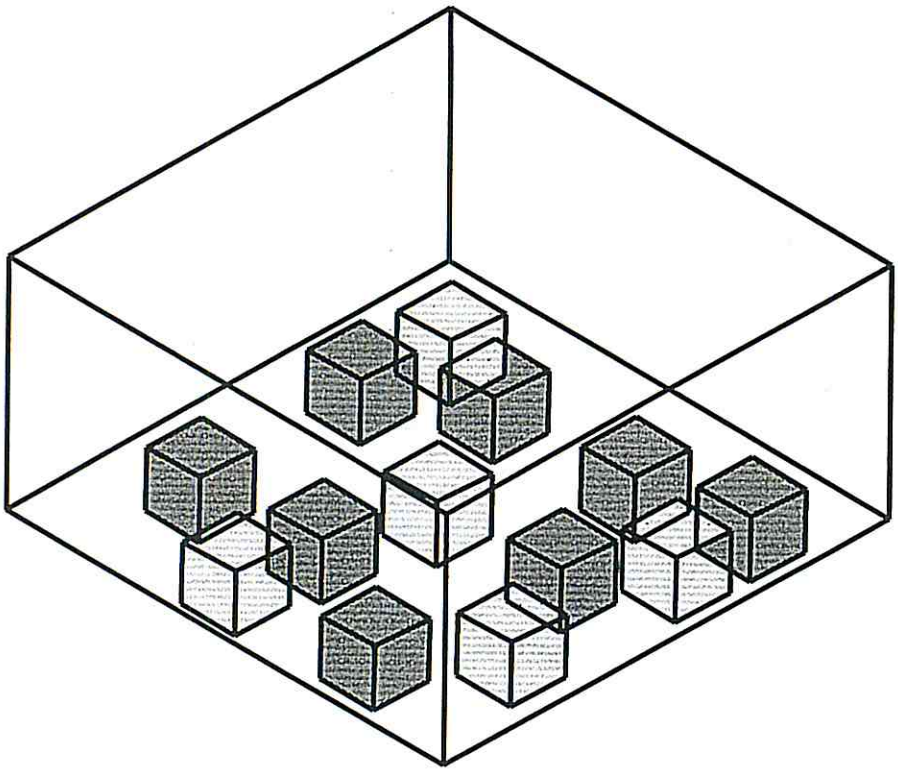
a.) Write this ratio using the : form. _____

b.) Write 3 equivalent ratios. Show your work to determine the equivalent ratios.

6.RP.1 NAME: _____

RATIO PROBLEMS #2

1.) The container below contains blue and yellow blocks.



= Blue Block

= Yellow Block

a.) What is the ratio of yellow blocks to blue blocks? _____

What kind of a ratio is number 1a? part to part ratio or part to whole ratio

b.) How many blue blocks would have to be added so that the ratio was 1 yellow block for 2 blue blocks? Show this solution by drawing the added blue blocks in the container.

_____

c.) How many blocks are in the container now? _____

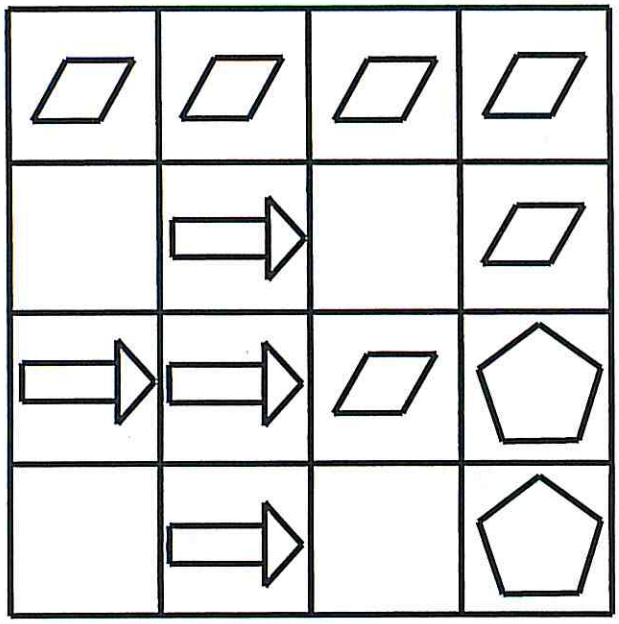
d.) With the added blocks, write the ratio of yellow blocks to the whole container of blocks in fraction form.

_____

e.) With the added blocks, write the ratio of blue blocks to the whole container of blocks in fraction form.

_____

2.) Here is a grid with different figures in the individual little squares.



a.) Using the colon form (:), write the ratio of pentagons to arrows. _____

What kind of a ratio is number 2a? part to part ratio or part to whole ratio

b.) Using the fraction form, write the ratio of rhombuses to the total number of squares in the grid. _____

What kind of a ratio is number 2b? part to part ratio or part to whole ratio

c.) Write the ratio of arrows to the total number of squares in the grid. _____

What kind of a ratio is number 2c? part to part ratio or part to whole ratio

d.) Write the ratio of empty squares to the rhombuses using the "to" form. _____

What kind of a ratio is number 2d? part to part ratio or part to whole ratio

e.) Which two kinds of squares have a ratio of 4:2?

Solution 1:

_____

Solution 2:

_____