How Do We Represent Fractions?   Name_____

1)   Use counters to represent the following fractions.   Sketch and label.

a. 3/5   b. 2/3   c. 2 ¾

2)   After creating your foldable inch, write what do you observe about the fractions in your "inch"?

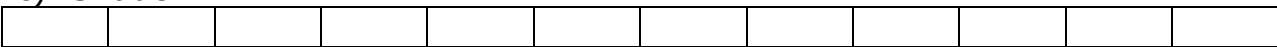3)   Suppose these drawings represent 12 inches (one foot). Shade the fractional part of the foot.

a) Shade 5/6

b) Shade 2/3

c) Shade 1 ¾

4)
Work in pairs. Use color tiles to build an area that is ½ blue, ¼ green, and ¼ yellow. This should be a different shape or manipulative than your neighbors'. Sketch and color your shape below. Label the fractions. Compare your neighbor's shapes, Sketch, color and label one of your neighbor's shapes.

5) How is your shape the same and different than your neighbor's shape?

6) Select a different manipulative for modeling each of the groups below, building one whole shape and coloring the given parts. Sketch, color and label your shape. (Select from Color Tiles, Geoboards, Fraction Towers, Fraction Circles, Linking Cubes, paper plates, etc)

   a. ¼ , ⅛, ⅝

   b. ½, 2/5, 3/10

   c. ⅓ , ⅔

7) Now, build the following areas with color tiles. This time it is up to you to define the missing fraction and the number of tiles needed. Build, draw and label two possible rectangles for each example below.

   a. The shape is ½ blue, ⅓ yellow, _____ green.

   b. The shape is ½ yellow, 2/5 green, and uses all four colors. _____blue, _____red.

8) Each person in your group create a problem as in #5 above. Trade problems by passing papers in your group one person to the right. Each person works the new problem on this paper. Sketch and label below.