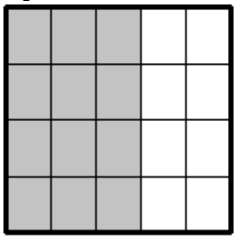
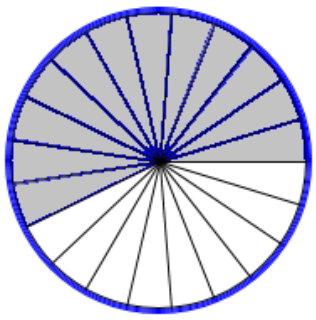
Fractions assignment 2: Equivalent and Common Denominator Fractions

1. Revisit last week's assignment. Choose one of problems 1, 2, 3, 4, 7a, 7b or 7c, and write a similar problem (assessing the same ideas). Solve your problem. Tell what the important concepts are for that problem. (If you choose a problem you missed last time, you may turn in your previous assignment with this assignment to get make up points—one problem only). (4 pts)

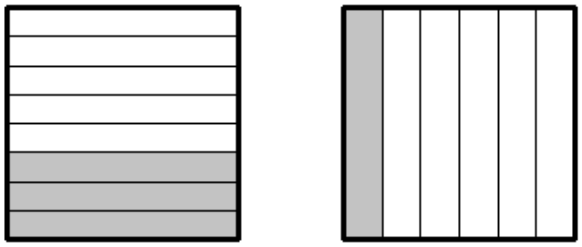
2. The shaded amount in this picture shows that 3/5 is equivalent to another fraction. Show (write the equation) and explain (write sentences) how to use multiplication to find the equivalent fraction.



3. The shaded amount in this picture shows a fraction that can be simplified by grouping together parts to make groups of equal parts
a. Draw how to group some of the unit fractions to simplify.
b. Write down the equation for the simplification numerically using division
c. Write sentences explaining how you grouped and what the two equivalent fractions are.

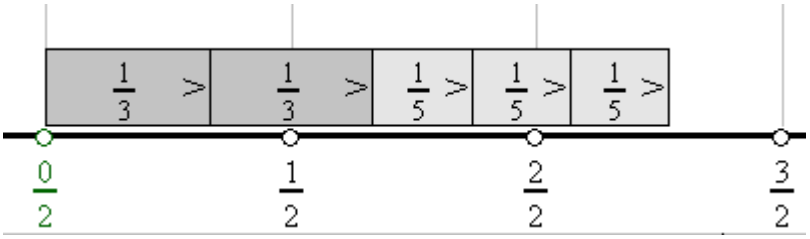


4. a. Draw in a way to subdivide each of these to make common denominator fractions (subdivide them so that they are made out of small units of the same size).



b. Show the multiplications to get the equivalent fractions you drew in part a.

5. a. Draw in a way to subdivide each of these to make common denominator fractions (subdivide them so that they are made out of small units of the same size).



b. Show the multiplications to get the equivalent fractions you drew in part a.

6. Show how to find the Least Common Denominator for these fractions by listing multiples (or some variation of listing multiples). Use your LCD to find the sum:

$$\frac{7}{12}+\frac{9}{14}$$

7. Show how to find the Least Common Denominator using factoring for these fractions. Use your LCD to find the sum:

$$\frac{8}{63}+\frac{17}{45}$$