Name: _____

1. Let each small square represent $\frac{1}{6}$.

   a. Using the same unit, draw and shade the following fractions. Represent each as a sum of unit fractions.

   Example: $\frac{5}{6}$
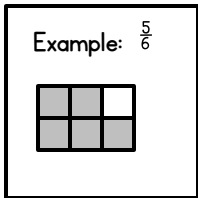
   i. 1   ii. $\frac{3}{6}$ i. $\frac{8}{6}$

   b. Record the decompositions of parts (i) and (iii) using only 2 addends.

      i.

      iii.

   c. Rewrite the equations from Part (a) as the multiplication of a whole number by a unit fraction.

      i.

      ii.

      iii.

2. Cross out the fraction that is not equivalent to the other three. Show how you know.

   $\frac{6}{4}$ $\frac{60}{40}$ $\frac{12}{8}$ $\frac{10}{5}$

3. Fill in the blanks to make each number sentence true. Draw a number line, tape diagram, or area model to represent each problem.

   a. $\frac{6}{8} +$ _____ $= 1$

   b. $\frac{3}{5} + \frac{1}{5} + \frac{2}{5} =$ _____

Name: _____

4. Solve.

    a. 37 X 89

    b. 46 X 52

5. Fill in the circle with <, =, or > to make a true number sentence. Justify each response by drawing a model (such as an area model or number line), creating common denominators or numerators, or explaining a comparison to a benchmark fraction.

    a. $\frac{2}{4} \bigcirc \frac{6}{12}$

    b. $\frac{3}{2} \bigcirc \frac{6}{10}$

6. 3 friends brought some juice to drink at the park.

    a. Alex, Jacob, and Frank each had identical containers of juice. Alex drank $\frac{3}{8}$ of his container, Jacob drank $\frac{6}{8}$ of his container, and Frank drank $\frac{7}{8}$ of his container. How many containers of juice did they drink?