End-of-Unit Assessment Study Guide:
Computation of Fractions

Test on Tuesday, March 10

Resources: IXL R objectives and Study Guide

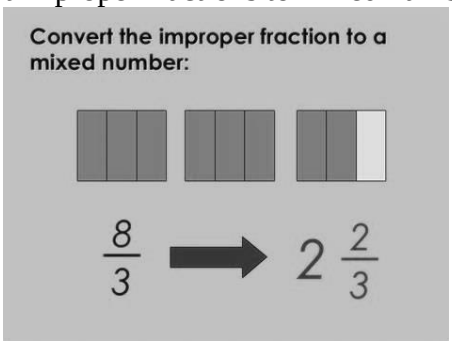
- Students should be able to add and subtract fractions with like and unlike denominators.

1. $\frac{2}{3} + \frac{5}{9}$
2. $\frac{4}{5} - \frac{3}{4}$
3. $\frac{5}{6} + \frac{7}{12}$
4. $\frac{11}{15} - \frac{2}{5}$

- Students should be able to add mixed numbers.

$2\frac{1}{5} + 1\frac{3}{4}$

- Students should be able to convert improper fractions to mixed numbers.



- Students should know how to find the LCM (least common multiple) of two numbers, which they can use to find equivalent fractions.
    - What is the least common multiple (LCM) that could be used to find a common denominator for 7/8 and 3/5?

- Students should know how to find the GCF (greatest common factor) of two numbers. Students use the GCF to reduce or simply fractions. See examples below.
    - What is the greatest common factor (GCF) that could be used to simplify 8/12?

- Students should be able to solve single and multi-step word problems using fractions and decimals. See examples below.
    - Six friends split 4 sandwiches. What fraction of a sandwich did each friend receive?
    - Melissa ate 4/10 of a pizza for lunch. She ate 3/12 of the pizza for dinner. How much of the pizza is left over? (Express your answer in simplest form.)
    - Danielle finished 8/9 of her lifework before dinner. Her sister Heather finished only 3/7 of her lifework. How much more did Danielle finish? (Express your answer in simplest form.)
    - Matilda used 4/9 of a yard of fabric on a new hair bow. Her brother used 2/10 of the fabric for a bandanna. How much did they use altogether? (Express your answer in simplest form.)
    - Grace's uncle wants to buy sub sandwiches for Grace and her brothers. Grace wants 2/6 of a sandwich. Her brother Trevor wants ½ of a sandwich. Her other brother Ben wants 8/12 of a sandwich. How many sandwiches should Grace's uncle buy? What fraction of a sandwich would be left for Grace's uncle to eat?