Friday 3/3/17 ~ Mixed Review ~ Fractions

We will have our Fractions Unit Test next week (Thursday for 401, 402 & 403 & Friday for 404). Please use these examples as a guide to help you study for the test. The answer key will be posted on Mrs. Atmaca’s website. (at the bottom of main page)

A. COMPARING FRACTIONS
   Compare each pair of fractions using <, > or =. Explain or show your thinking.
   1. $\frac{1}{2}$ ____ $\frac{4}{12}$
   2. $\frac{4}{5}$ ____ $\frac{5}{6}$
   3. $\frac{6}{8}$ ____ $\frac{6}{10}$

B. CHANGING BETWEEN MIXED NUMBERS AND IMPROPER FRACTIONS
   Change each of the following to a mixed number. Show your work.
   1. $\frac{6}{5}$
   2. $\frac{8}{3}$
   3. $\frac{7}{4}$

   Change each of the following to an improper fraction. Show your work.
   1. $1\frac{3}{8}$
   2. $2\frac{4}{6}$
   3. $1\frac{4}{5}$

C. EQUIVALENT FRACTIONS
   Write three equivalent fractions for each below.
   1. $\frac{2}{10}$
   2. $\frac{1}{3}$
   3. $\frac{2}{3}$
D. UNIT FRACTIONS
Rewrite each of the following fractions as a sum of unit fractions.

1. \( \frac{4}{5} \)
2. \( \frac{7}{8} \)
3. \( \frac{4}{3} \)

E. ADDING AND SUBTRACTING FRACTIONS AND MIXED NUMBERS
Solve each problem using any strategy you have seen in class or that you know. Show your work.

1. \( \frac{3}{8} + \frac{4}{8} = \)
2. \( 1 \frac{2}{3} + 3 \frac{1}{3} = \)
3. \( 4 \frac{2}{3} + 1 \frac{2}{3} = \)
4. \( 4 \frac{2}{8} - 1 \frac{5}{8} = \)
5. \( 3 \frac{1}{6} - 2 \frac{3}{6} = \)

F. FINDING FRACTION OF A NUMBER
Solve each problem. Show your work.

1. Calculate \( \frac{2}{3} \) of 24.
2. Calculate \( \frac{1}{2} \) of 20.
3. Calculate \( \frac{3}{8} \) of 32.

G. MIXED WORD PROBLEMS WITH FRACTIONS:
Solve the following word problems. Show all work.

1. Monica has $48. She spends \( \frac{1}{4} \) of her money. How much money did she spend?
2. Sal has 36 soccer cards. He spilled \( \frac{1}{4} \) of them. How many soccer cards does he have left?
3. Bella ate \( \frac{3}{10} \) of her cookies for snack one day. She ate \( \frac{4}{10} \) of her cookies for snack the second day. What fraction of the cookies does Bella still have left?
4. A recipe of bread calls for $1\frac{3}{4}$ cups of white flour and $2\frac{1}{4}$ cups of wheat flour. What is the total number of cups of flour is needed for this bread recipe?

5. Dylan walks $\frac{1}{3}$ of a mile in one day. How many miles does Dylan walk in 5 days?

6. Emma read $\frac{2}{3}$ of an hour every day for 20 days. How many hours did she read in total?

7. Thomas ran $3\frac{1}{4}$ miles in the runner’s club yesterday. Moa ran $2\frac{3}{4}$ miles.
   a. How many more miles did Thomas run than Moa? Show your work.
   b. How many miles did Thomas and Moa run altogether? Show your work.