Get out your homework and grab a packet off the front table and begin warming up by working on the 1st section over adding and subtracting integers.

Classwork - Quiz 2 Review

QUIZ TOMORROW!!!

1) Compare the following rational numbers using <,>, or =.

A) $\frac{12}{15}$ ___ $\frac{5}{6}$

2. $\frac{12}{15} \cdot \frac{5}{5}$ $\quad$ $\frac{5}{6} \cdot \frac{5}{5}$

2. $\frac{24}{30}$ $\quad$ $\frac{25}{30}$

B) $-5\frac{5}{7}$ ___ $-5\frac{3}{4}$

4. $-5\frac{5}{7} \cdot \frac{4}{4}$ $\quad$ $-5\frac{3}{4} \cdot \frac{7}{7}$

$-5\frac{20}{28}$ $\quad$ $-5\frac{21}{28}$

C) $\frac{8}{9}$ ___ 0.88

$0.\overline{8} = 0.8888\ldots$

0.88
$9\overline{)8.00}$
-72
80
-72
8

2) Write the following improper fractions as mixed numbers.

A) $\frac{8}{5} = 1\frac{3}{5}$ $\quad$ B) $\frac{17}{4} = 4\frac{1}{4}$ $\quad$ C) $-\frac{21}{6} = -3\frac{1}{2}$ $\quad$ D) $2\frac{5}{3} = 3\frac{2}{3}$ $\quad$ E) $-7\frac{3}{2} = -8\frac{1}{2}$

$-3\frac{3}{6} = -3\frac{1}{2}$

3) Write the following mixed numbers as improper fractions.

A) $2\frac{4}{5} = \frac{14}{5}$ $\quad$ B) $7\frac{1}{3} = \frac{22}{3}$ $\quad$ C) $-5\frac{5}{6} = \frac{-35}{6}$ $\quad$ D) $-8\frac{2}{7} = \frac{-58}{7}$

4) Add or subtract. Write answer in simplest form. SHOW WORK

A) $\frac{3}{3}\cdot\frac{1}{8} + \left(-\frac{5}{6}\right)\cdot\frac{4}{4}$

$\frac{3}{24} + \left(\frac{-20}{24}\right) = \frac{-17}{24}$

B) $\frac{4}{4}\cdot\frac{3}{5} - \left(-\frac{3}{4}\right)\cdot\frac{5}{5}$

$\frac{12}{20} - \left(-\frac{15}{20}\right) = \frac{3}{20}$

C) $5\frac{4}{7}\cdot\frac{2}{2} + 8\frac{1}{2}\cdot\frac{7}{7}$

$5\frac{8}{14} + 8\frac{7}{14} = 13\frac{15}{14} = 14\frac{1}{14}$

D) $9\frac{1}{3}\cdot\frac{2}{2} - 4\frac{5}{6}$

$1 = \frac{6}{6}$

$9\frac{2}{6} - 4\frac{5}{6} = 5\frac{-3}{6}$

$8\frac{8}{6} - 4\frac{5}{6} = 4\frac{3}{6} = 4\frac{1}{2}$

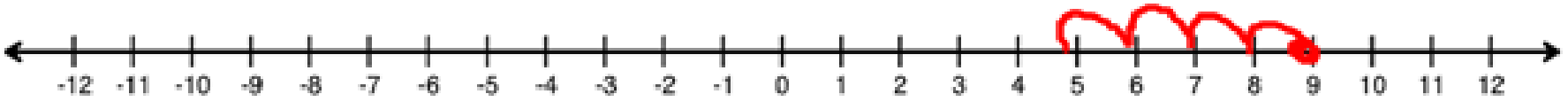
1) Find the answers for the following subtraction problems. Use a number line or +/- chips to show your work.
If you choose to use number lines, use the ones below. If you use chips, draw them under the problem.

A) $9 + (-4) =$ 5

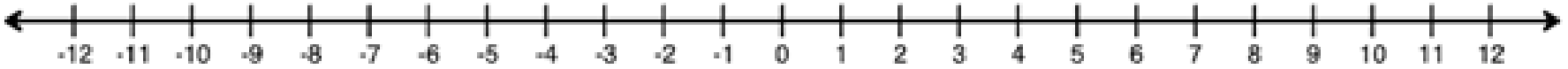
B) $-6 - 6 =$ -12

C) $-3 + 5 =$ 2

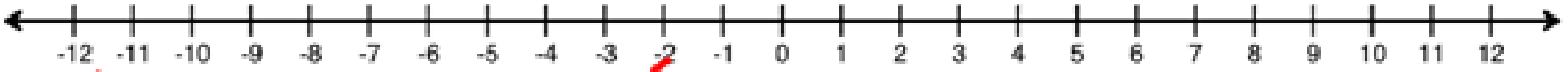
A)



B)



C)

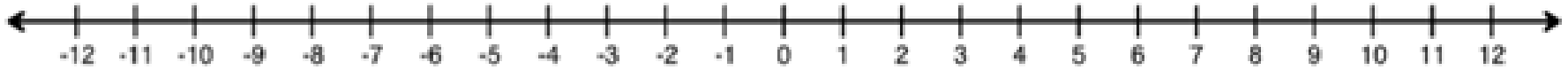


D) $5 - (-7) =$ 12

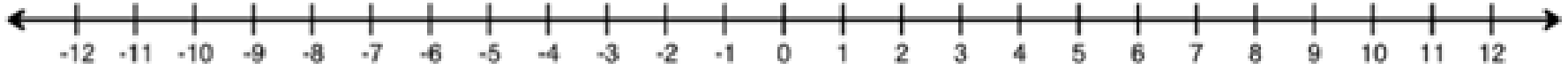
E) $-4 + (-4) =$ -8

F) $3 - 12 =$ -9

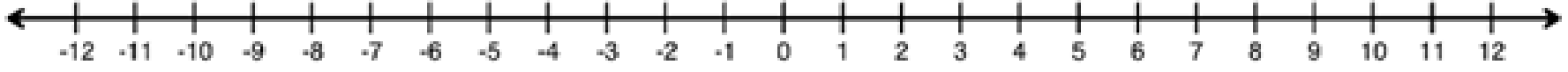
D)



E)



F)



2) Write each decimal as a fraction or mixed number **in simplest form**. **SHOW WORK**

A) 0.8 = $\frac{4}{5}$

$\frac{8 \div 2}{10 \div 2} = \frac{4}{5}$

B) 6.24 = $6\frac{6}{25}$

$\frac{24 \div 4}{100 \div 4} = \frac{6}{25}$

C) 8.11 = _____

D) -0.64 = _____

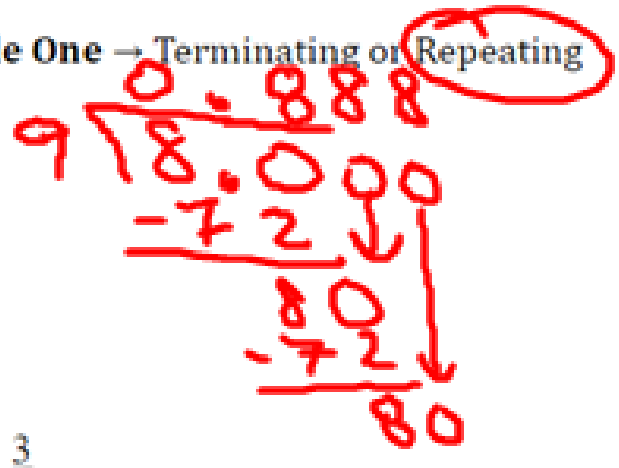
E) 10.4 = _____

F) -5.06 = _____

3) Find the decimal value of each fraction by either using long division or making the denominator a power of 10. Put you answer in the space provided and then CIRCLE whether the decimal is terminating or repeating. SHOW WORK

A) $\frac{8}{9}$ = 0.81

Circle One → Terminating or Repeating



B) $2\frac{2}{5}$ = 2.4

Circle One → Terminating or Repeating

$\frac{2.2}{5.2} = \frac{4}{10}$

C) $1\frac{3}{8}$ = _____

Circle One → Terminating or Repeating

D) $-\frac{7}{11}$ = _____

Circle One → Terminating or Repeating

E) $4\frac{5}{16}$ = _____

Circle One → Terminating or Repeating

F) $\frac{11}{12}$ = _____

Circle One → Terminating or Repeating

4) Compare the following rational numbers using <,>, or =.

A) $\frac{7}{10}$ _____ $\frac{3}{5}$

B) $\frac{4}{7}$ _____ $\frac{2}{3}$

C) $3\frac{5}{12}$ _____ $3\frac{7}{10}$

5) Order the set of numbers from least to greatest.

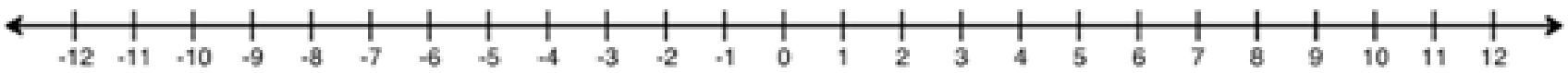
(90%, 0.809, $\frac{8}{9}$, 0.89)

$0.\overline{8} = 0.8888\ldots$

$90\% = 0.9$

$0.809, \frac{8}{9}, 0.89, 90\%$

6) Solve the following addition and subtraction problems. Use the number line below to help answer the problems. SHOW WORK!



A) $\frac{1}{2} + \frac{2}{3} =$ _____

B) $-\frac{3}{5} - \frac{3}{10} =$ _____

C) $\frac{7}{10} - \frac{1}{4} =$ _____

D) $-\frac{3}{4} + \frac{5}{6} ==$ _____

E) $7\frac{5}{7} + 2\frac{4}{7} =$ $10\frac{2}{7}$

$9\frac{9}{7} = 10\frac{2}{7}$

F) $10\frac{5}{6} - 6\frac{1}{2} =$ _____

F) $8\frac{1}{4} - 3\frac{5}{8} =$ $4\frac{5}{8}$

$8\frac{2}{8} - 3\frac{5}{8}$

$7\frac{10}{8} - 3\frac{5}{8} = 4\frac{5}{8}$

G) $6\frac{5}{5} - 1\frac{2}{5} =$ $4\frac{3}{5}$

$6 - 1\frac{2}{5}$

$5\frac{5}{5} - 1\frac{2}{5} = 4\frac{3}{5}$

7) Solve the following addition and subtraction word problems. Circle the keywords that help you decide whether it is addition or subtraction.

A) Karan covers $2\frac{3}{8}$ miles by walking and $5\frac{3}{4}$ miles by bike. Find the total distance covered by Karan.

B) Rachel cut length of rope that was $4\frac{2}{3}$ meters into two pieces. After cutting the rope, the length of the first piece of rope is $2\frac{1}{2}$ meters. What is the length of the second piece of rope?

C)Mr. and Mrs. Simpson went to two movies. The first movie lasted $2\frac{1}{3}$ hours and the second one lasted $1\frac{4}{5}$ hours. How much longer was the first than the second movie?

D) Rodrick and Valentina drove to the coast. Rodrick drove $38\frac{9}{10}$ miles. Then Valentina drove the last $51\frac{3}{5}$ miles. How far did they drive to the coast?