Today's Plan:

Learning Target (standard): I will perform operations on rational numbers and simplify the results. I will review properties of real numbers and use them to re-write algebraic expressions.

Students will: Complete practice problems over previous concepts at the boards and take a test.

Teacher will: Provide practice problems over previous concepts, check homework problems for accuracy and provide students feedback, and provide test problems.

Assessment: Board work, homework check and test

Differentiation: Students will work at the board and actively engage in test problems.

NAME _____   #12

BELL RINGER

1.) Use the distributive property to rewrite the expression without parenthesis.

$(5x - 3)(-4)$

$-20x + 12$

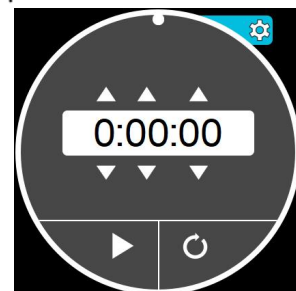2.) Evaluate the expression $6 - (-11) + 3$.

$6 + 11 + 3$
$17 + 3$ 20

0:00:00

3.) Evaluate $4x - 2$ for $x = 6$.

$4 \cdot 6 - 2$ 22

$24 - 2$

Simplify.

$$5(2x - 6)$$

$$10x - 30$$

Simplify.

$$8 + 7a + 6$$

$$7a + 14$$

Name the subsets of the real numbers that the given belongs in.

$$\sqrt{36} = 6 \qquad \text{natural } \mathbb{N}$$

whole

integer $\mathbb{Z}$

rational $\mathbb{Q}$

real $\mathbb{R}$

Name the property that is illustrated.

$$3(x+4) = 3x + 12$$

distributive property

Simplify.

$$3\frac{1}{5} + 5\frac{1}{4} - 2\frac{7}{20}$$

$$\frac{16^4}{5} + \frac{21 \cdot 5}{4} - \frac{47 \cdot 1}{20}$$

$$\frac{64}{20} + \frac{105}{20} - \frac{47}{20}$$

$$\frac{169}{20} - \frac{47}{20}$$

$$\frac{122}{20}$$

$$\boxed{\frac{61}{10}}$$

Simplify.

$$2\frac{1}{8} + \left(6\frac{2}{3} \div 8\frac{4}{9}\right)$$

$$\frac{17}{8} + \left(\frac{20}{3} \div \frac{76}{9}\right)$$

$$\frac{17}{8} + \left(\frac{20}{3}^5 \cdot \frac{9^3}{76}\right)_{19}$$

$$\frac{17}{8} + \frac{15}{19}$$

$$\frac{323}{152} + \frac{120}{152}$$

$$\boxed{\frac{443}{152}}$$