

Today's Plan:

Learning Target (standard): I will solve multi-step equations.

Students will: Complete practice problems over previous concepts at the boards, put up homework problems on the board and make necessary corrections to their own work, take notes over new material and complete practice problems over new concepts.

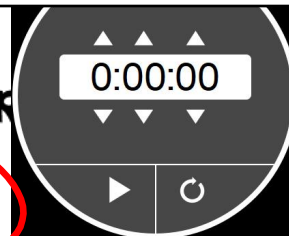
Teacher will: Provide practice problems over previous concepts, check homework problems for accuracy and provide students feedback, describe and provide examples of new concepts and assign students assessment problems over new concepts.

Assessment: Board work, homework check and homework assignment

Differentiation: Students will work at the board, go over and correct homework at their seats, actively engage in lecture over new concepts, practice new concepts with the aid of other students and the teacher and complete homework assignment.

NAME _____

BELL RINGER



1.) Solve $-8x + 5x = -21$.

$$\begin{array}{r} -3x = -21 \\ \underline{-3} \quad \underline{-3} \end{array}$$

$$x = 7$$

2.) What is the probability of drawing a queen from a standard deck of cards?

$$\frac{\text{what you want}}{\text{what you have}} = \frac{4}{52} = \frac{1}{13}$$

3.) Evaluate $2.6 + (-2.3) + 9.1$.

$$\begin{array}{r} 2.6 - 2.3 + 9.1 \\ .3 + 9.1 \end{array}$$

$$9.4$$

Solve.

$$9) -7 - 6x + x - 6 = -3(2x + 2) + 3(x - 1)$$

$$\underline{-7} - \underline{6x} + \underline{x} - \underline{6} = \underline{-6x} - \underline{6} + \underline{3x} - \underline{3}$$

$$\underline{-13} - \underline{5x} = \underline{-3x} - \underline{9}$$

+5x +5x

$$\underline{-13} = \underline{2x} - \underline{9}$$

+9 +9

$$\underline{-4} = \underline{2x}$$

$\frac{1}{2}$ $\frac{1}{2}$

$$\underline{x = -2}$$

Solve.

$$\underline{-2}(m + 2) = \underline{-(m + 3)} = -3m - 5$$

$$\underline{-2m} - \underline{4} - \underline{m} - \underline{3} = -3m - 5$$

$$\underline{-3m} - \underline{7} = \underline{-3m} - \underline{5}$$

+3m +3m

$$\underline{-7} \neq \underline{-5}$$

NO SOLUTION

Solve.

$$2n - 30 = -6(5n + 5)$$

$$\begin{array}{r} 2n - 30 = -30n - 30 \\ +30n \qquad +30n \end{array}$$

$$\begin{array}{r} 32n - 30 = -30 \\ +30 \quad +30 \end{array}$$

$$32n = 0$$

$$n = 0$$

Solve.

$$a - 6(-a + 3) = -16 + 5a$$

$$\underline{a} + \underline{6a} - 18 = -16 + 5a$$

$$\begin{array}{r} 7a - 18 = -16 + 5a \\ -5a \qquad -5a \end{array}$$

$$\begin{array}{r} 2a - 18 = -16 \\ +18 \quad +18 \end{array}$$

$$2a = 2$$

$$a = 1$$

Solve.

$$3(m+5) - 6 = 3(m+3)$$

$$3m + \underline{15} - \underline{6} = 3m + 9$$

$$3m + 9 = 3m + 9$$

$$9 = 9$$
 identity

Assignment:

EduLastic: Multi-Step Equations #1-10

- * This will be a 10 point assignment for accuracy. *
- * You are to write the problem on paper and solve the equation using the steps followed in class. *
- * Pick up the chrome book with the same number as your board spot. The assignment is in Google Classroom. *