

Today's Plan:

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

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

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 test

Differentiation: Students will work at the board, go over and correct homework at their seats and complete a written assessment (test).

NAME _____

#21

BELL RINGER

0:00:00

1.) Solve $2x - 3 = 2(x - 8)$.

$$2x - 3 = 2x - 16 \quad \text{no solution}$$

$$-3 \neq -16$$

2.) Write y as a function of x .

Solve for y .

$$4x + 2y = 8$$

$$2y = -4x + 8$$

$$y = -2x + 4$$

3.) Simplify $6 + (-9) - (-7)$.

$$6 - 9 + 7$$

$$-3 + 7 \quad \textcircled{4}$$

$$10) \underline{-7}(2 + 8p) + 5p = -5 + \underline{3}(8 - 6p)$$

$$-14 - \underline{56p} + \underline{5p} = \underline{-5} + \underline{24} - 18p$$

$$\begin{array}{r} -51p - 14 = 19 - 18p \\ +18p \quad +18p \end{array}$$

$$\begin{array}{r} -33p - 14 = 19 \\ +14 \quad +14 \end{array}$$

$$\begin{array}{r} -33p = 33 \\ \underline{-33} \quad \underline{-33} \end{array}$$

$$p = -1$$

Drinks at the fair cost \$2.50. Represent the relationship between the number of drinks bought and the cost in 3 ways - make a table, write an equation and draw a graph.

- 1) IV: number of drinks
DV: cost in dollars

2)

X	Y
0	0
1	2.5
2	5
3	7.5
4	10

- 3) The cost of the drinks = the product of the number of drinks and 2.5.

$$y = 2.5x$$

Solve.

$$-7(6 - 2x) = 38 + 14x$$

$$-42 + 14x = 38 + 14x$$

$$-42 \neq 38$$

no solution

Solve.

$$24 + 4n = 7(n + 6)$$

$$24 + 4n = 7n + 42$$

$$24 = 3n + 42$$

$$-18 = 3n$$

$$n = -6$$

Solve.

$$5(5p + 2) = 10 + 7p$$

$$25p + 10 = 10 + 7p$$

$$18p + 10 = 10$$

$$18p = 0$$

$$p = 0$$