

Today's Plan:

Learning Target (standard): I will use the order of operations to evaluate expressions.

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.

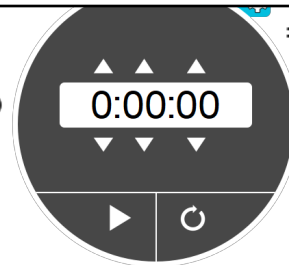
Teacher will: Provide practice problems over previous concepts, check homework problems for accuracy and provide students feedback, describe and provide examples of new concepts and assign students assessment problems over new concepts.

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.) Simplify $5 - 2^2 + 3$.

$$5 - 4 + 3 = 4$$

2.) Write the verbal phrase as an expression, equation, or inequality.

7 times the quantity 2 and a number k is 2

$$7(2+k) = 12$$

3.) Solve $2x = 12$ using mental math.

$$\frac{2x}{2} = \frac{12}{2}$$

$$x = 6$$

Back to School Survey

Who are you??

Evaluate when $a = 2, b = -3, c = 4, d = 5$.

$$2) 2a + bc^2 - d$$

$$2 \cdot 2 + (-3) \cdot 4^2 - 5$$

$$2 \cdot 2 - 3 \cdot 4^2 - 5$$

$$2 \cdot 2 - 3 \cdot 16 - 5$$

$$4 - 3 \cdot 16 - 5$$

$$4 - 48 - 5$$

$$-44 - 5$$

$$\textcircled{-49}$$

Evaluate when $a = 2, b = -3, c = 4, d = 5$.

$$\begin{aligned} 12) & -4[b^2 + (c-2)^3] \\ & -4[(-3)^2 + (4-2)^3] \\ & -4[9 + 2^3] \\ & -4[9 + 8] \\ & -4[17] \\ & \textcircled{-68} \end{aligned}$$

Simplify.

$$\begin{aligned} & (5 \cdot 3 + 9) \div (3 + 1) \\ & (15 + 9) \div 4 \\ & 24 \div 4 \\ & \textcircled{6} \end{aligned}$$

Evaluate each using the given values.

$$xz^2 - 4 \quad 5 \cdot 2^2 - 4$$

$$x = 5 \quad 5 \cdot 4 - 4$$

$$z = 2 \quad 20 - 4$$
$$\quad \quad \quad \textcircled{16}$$

Simplify.

$$(5+5) \div (\underline{2 \cdot 2} + 3 - 2)$$

$$10 \div (4 + 3 - 2)$$

$$10 \div (7 - 2)$$

$$10 \div 5$$

$$\textcircled{2}$$

Evaluate each using the given values.

$$y(x + x - z)$$

$$x = 6$$

$$y = 5$$

$$z = 5$$

$$5(6 + 6 - 5)$$

$$5(12 - 5)$$

$$5(7)$$

$$\textcircled{35}$$

Evaluate each using the given values.

$$4 + r + p \div 2$$

$$p = 2$$

$$r = 1$$

$$4 + 1 + 2 \div 2$$

$$4 + 1 + 1$$

$$5 + 1$$

$$\textcircled{6}$$

Simplify.

$$(10 + 8) \div (6 + 2 - (4 + 1))$$

$$18 \div (6 + 2 - 5)$$

$$18 \div (8 - 5)$$

$$18 \div 3$$

$$\textcircled{6}$$

Simplify.

$$\frac{5(3 - 6) + 3^2}{4(2 + 1) - 6}$$

$$\frac{5(-3) + 3^2}{4(3) - 6}$$

$$\frac{5(-3) + 9}{4(3) - 6}$$

$$\frac{5(-3) + 9}{4(3) - 6}$$

$$\frac{-15 + 9}{12 - 6}$$

$$\frac{-15 + 9}{12 - 6}$$

$$\frac{-15 + 9}{12 - 6}$$

$$\frac{-6}{6}$$

$$\frac{-6}{6}$$

$$\textcircled{-1}$$

Simplify.

$$\frac{10 + 5^2 - 3}{2^2 + 2(5 - 3)}$$

$$= \frac{10 + 5^2 - 3}{2^2 + 2(2)}$$

$$= \frac{10 + 25 - 3}{4 + 2(2)}$$

$$= \frac{35 - 3}{4 + 4}$$

$$= \frac{32}{8} \quad \text{④}$$

Assignment:

Order of Operations Practice

#1-24