

Order of Operations with Decimals (I)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$3,7 \times (3,1 - 6,1)^3$$

$$(1,7)^2 - 0,2 \times (-2,7)$$

$$(6,3)^2 + (-6,5) \div (-1,3)$$

$$6,8 \times 3,4 + (-0,5)^2$$

$$(-7,6) \div (0,4)^2 + 6,9$$

$$(3,4)^2 - (-7,2) \times 7,6$$

$$(4,9)^2 - (-5,1) \times 3,8$$

$$((-2,9) - (-3,6)^2) \div (-6,1)$$

$$2,2 \times 6,6 - (1,2)^2$$

$$(8,1)^2 - 9,9 \times 2,9$$

Order of Operations with Decimals (I) Answers

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$\begin{aligned} & 3,7 \times (3,1 - 6,1)^3 \\ &= 3,7 \times (-3)^3 \\ &= \underline{3,7 \times (-27)} \\ &= -99,9 \end{aligned}$$

$$\begin{aligned} & \underline{(1,7)^2} - 0,2 \times (-2,7) \\ &= 2,89 - \underline{0,2 \times (-2,7)} \\ &= \underline{2,89 - (-0,54)} \\ &= 3,43 \end{aligned}$$

$$\begin{aligned} & \underline{(6,3)^2} + (-6,5) \div (-1,3) \\ &= 39,69 + \underline{(-6,5) \div (-1,3)} \\ &= \underline{39,69 + 5} \\ &= 44,69 \end{aligned}$$

$$\begin{aligned} & 6,8 \times 3,4 + \underline{(-0,5)^2} \\ &= \underline{6,8 \times 3,4} + 0,25 \\ &= \underline{23,12 + 0,25} \\ &= 23,37 \end{aligned}$$

$$\begin{aligned} & (-7,6) \div \underline{(0,4)^2} + 6,9 \\ &= \underline{(-7,6) \div 0,16} + 6,9 \\ &= \underline{(-47,5) + 6,9} \\ &= -40,6 \end{aligned}$$

$$\begin{aligned} & \underline{(3,4)^2} - (-7,2) \times 7,6 \\ &= 11,56 - \underline{(-7,2) \times 7,6} \\ &= \underline{11,56 - (-54,72)} \\ &= 66,28 \end{aligned}$$

$$\begin{aligned} & \underline{(4,9)^2} - (-5,1) \times 3,8 \\ &= 24,01 - \underline{(-5,1) \times 3,8} \\ &= \underline{24,01 - (-19,38)} \\ &= 43,39 \end{aligned}$$

$$\begin{aligned} & ((-2,9) - \underline{(-3,6)^2}) \div (-6,1) \\ &= \underline{((-2,9) - 12,96)} \div (-6,1) \\ &= \underline{(-15,86) \div (-6,1)} \\ &= 2,6 \end{aligned}$$

$$\begin{aligned} & 2,2 \times 6,6 - \underline{(1,2)^2} \\ &= \underline{2,2 \times 6,6} - 1,44 \\ &= \underline{14,52 - 1,44} \\ &= 13,08 \end{aligned}$$

$$\begin{aligned} & \underline{(8,1)^2} - 9,9 \times 2,9 \\ &= 65,61 - \underline{9,9 \times 2,9} \\ &= \underline{65,61 - 28,71} \\ &= 36,9 \end{aligned}$$