

Order of Operations with Decimals (J)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$(-8,2) \times 5,7 + (-7,9)^2$$

$$8,8 \times 0,9 - (-2,6)^2$$

$$6,7 - (-5,5)^2 \times 3,2$$

$$(2,9)^2 + 8,3 \times 6,6$$

$$(2,9)^2 - (-0,1) \times (-7,6)$$

$$(0,7)^2 + 5,4 \times (-9,8)$$

$$0,6 \times 7,5 + (-0,8)^2$$

$$(-1,3) \times 2,8 - (6,1)^2$$

$$(2,4)^2 - 8,2 \times (-6,1)$$

$$(-8,4)^2 \div 6,3 - (-2,4)$$

Order of Operations with Decimals (J) Answers

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Date: _____

Simplify each expression using the correct order of operations.

$$\begin{aligned} &(-8,2) \times 5,7 + \underline{(-7,9)^2} \\ &= \underline{(-8,2) \times 5,7} + 62,41 \\ &= \underline{(-46,74) + 62,41} \\ &= 15,67 \end{aligned}$$

$$\begin{aligned} &8,8 \times 0,9 - \underline{(-2,6)^2} \\ &= \underline{8,8 \times 0,9} - 6,76 \\ &= \underline{7,92 - 6,76} \\ &= 1,16 \end{aligned}$$

$$\begin{aligned} &6,7 - \underline{(-5,5)^2} \times 3,2 \\ &= 6,7 - \underline{30,25 \times 3,2} \\ &= \underline{6,7 - 96,8} \\ &= -90,1 \end{aligned}$$

$$\begin{aligned} &\underline{(2,9)^2} + 8,3 \times 6,6 \\ &= 8,41 + \underline{8,3 \times 6,6} \\ &= \underline{8,41 + 54,78} \\ &= 63,19 \end{aligned}$$

$$\begin{aligned} &\underline{(2,9)^2} - (-0,1) \times (-7,6) \\ &= 8,41 - \underline{(-0,1) \times (-7,6)} \\ &= \underline{8,41 - 0,76} \\ &= 7,65 \end{aligned}$$

$$\begin{aligned} &\underline{(0,7)^2} + 5,4 \times (-9,8) \\ &= 0,49 + \underline{5,4 \times (-9,8)} \\ &= \underline{0,49 + (-52,92)} \\ &= -52,43 \end{aligned}$$

$$\begin{aligned} &0,6 \times 7,5 + \underline{(-0,8)^2} \\ &= \underline{0,6 \times 7,5} + 0,64 \\ &= \underline{4,5 + 0,64} \\ &= 5,14 \end{aligned}$$

$$\begin{aligned} &(-1,3) \times 2,8 - \underline{(6,1)^2} \\ &= \underline{(-1,3) \times 2,8} - 37,21 \\ &= \underline{(-3,64) - 37,21} \\ &= -40,85 \end{aligned}$$

$$\begin{aligned} &\underline{(2,4)^2} - 8,2 \times (-6,1) \\ &= 5,76 - \underline{8,2 \times (-6,1)} \\ &= \underline{5,76 - (-50,02)} \\ &= 55,78 \end{aligned}$$

$$\begin{aligned} &\underline{(-8,4)^2} \div 6,3 - (-2,4) \\ &= \underline{70,56 \div 6,3} - (-2,4) \\ &= \underline{11,2 - (-2,4)} \\ &= 13,6 \end{aligned}$$