

Order of Operations with Decimals (E)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$1,4 \times (-9,7) - (4,2)^2$$

$$(-0,1) - 4,8 \times (1,5)^2$$

$$(6,5)^2 \div 2,5 + (-7,5)$$

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

$$(7,9 - 8,1) \times (-1,5)^2$$

$$((4,1)^2 - 2,5) \div 0,5$$

$$(-7,2)^2 + (-1,4) \times (-9,5)$$

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

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

$$(-6,6) \times ((1,5)^2 + (-9,2))$$

Order of Operations with Decimals (E) Answers

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$\begin{aligned} & 1,4 \times (-9,7) - (4,2)^2 \\ & = \underline{1,4 \times (-9,7)} - 17,64 \\ & = \underline{(-13,58)} - 17,64 \\ & = -31,22 \end{aligned}$$

$$\begin{aligned} & (-0,1) - 4,8 \times (1,5)^2 \\ & = (-0,1) - \underline{4,8 \times 2,25} \\ & = \underline{(-0,1) - 10,8} \\ & = -10,9 \end{aligned}$$

$$\begin{aligned} & (6,5)^2 \div 2,5 + (-7,5) \\ & = \underline{42,25 \div 2,5} + (-7,5) \\ & = \underline{16,9 + (-7,5)} \\ & = 9,4 \end{aligned}$$

$$\begin{aligned} & (-5,8)^2 - (-3,3) \times (-3,4) \\ & = 33,64 - \underline{(-3,3) \times (-3,4)} \\ & = \underline{33,64 - 11,22} \\ & = 22,42 \end{aligned}$$

$$\begin{aligned} & (7,9 - 8,1) \times (-1,5)^2 \\ & = (-0,2) \times \underline{(-1,5)^2} \\ & = \underline{(-0,2) \times 2,25} \\ & = -0,45 \end{aligned}$$

$$\begin{aligned} & ((4,1)^2 - 2,5) \div 0,5 \\ & = \underline{(16,81 - 2,5)} \div 0,5 \\ & = \underline{14,31 \div 0,5} \\ & = 28,62 \end{aligned}$$

$$\begin{aligned} & (-7,2)^2 + (-1,4) \times (-9,5) \\ & = 51,84 + \underline{(-1,4) \times (-9,5)} \\ & = \underline{51,84 + 13,3} \\ & = 65,14 \end{aligned}$$

$$\begin{aligned} & (-1,9)^2 - (-4,1) \times (-9,1) \\ & = 3,61 - \underline{(-4,1) \times (-9,1)} \\ & = \underline{3,61 - 37,31} \\ & = -33,7 \end{aligned}$$

$$\begin{aligned} & (-3,5) \times (2,2)^2 - 1,1 \\ & = \underline{(-3,5) \times 4,84} - 1,1 \\ & = \underline{(-16,94) - 1,1} \\ & = -18,04 \end{aligned}$$

$$\begin{aligned} & (-6,6) \times ((1,5)^2 + (-9,2)) \\ & = (-6,6) \times \underline{(2,25 + (-9,2))} \\ & = \underline{(-6,6) \times (-6,95)} \\ & = 45,87 \end{aligned}$$