

Order of Operations with Decimals (E)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$(2.2)^2 - 5.8$$

$$9.1 + (8.5)^2$$

$$(3.5)^2 + (-9.6)$$

$$9.4 \times 8.4 - (-9.4)$$

$$(-3.5) - (-2.6)^2$$

$$(-7.7) - (-9.7) \times 2.9$$

$$(4.5)^2 - (-8.9)$$

$$6.7 \times (0.7 + 9.2)$$

$$0.1 \times ((-5.4) - 4.1)$$

$$(4.4)^2 - (-7.4)$$

Order of Operations with Decimals (E) Answers

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Simplify each expression using the correct order of operations.

$$\begin{aligned} & \underline{(2.2)^2} - 5.8 \\ & = \underline{4.84 - 5.8} \\ & = -0.96 \end{aligned}$$

$$\begin{aligned} & 9.1 + \underline{(8.5)^2} \\ & = \underline{9.1 + 72.25} \\ & = 81.35 \end{aligned}$$

$$\begin{aligned} & \underline{(3.5)^2} + (-9.6) \\ & = \underline{12.25 + (-9.6)} \\ & = 2.65 \end{aligned}$$

$$\begin{aligned} & \underline{9.4 \times 8.4} - (-9.4) \\ & = \underline{78.96 - (-9.4)} \\ & = 88.36 \end{aligned}$$

$$\begin{aligned} & (-3.5) - \underline{(-2.6)^2} \\ & = \underline{(-3.5) - 6.76} \\ & = -10.26 \end{aligned}$$

$$\begin{aligned} & (-7.7) - \underline{(-9.7) \times 2.9} \\ & = \underline{(-7.7) - (-28.13)} \\ & = 20.43 \end{aligned}$$

$$\begin{aligned} & \underline{(4.5)^2} - (-8.9) \\ & = \underline{20.25 - (-8.9)} \\ & = 29.15 \end{aligned}$$

$$\begin{aligned} & 6.7 \times \underline{(0.7 + 9.2)} \\ & = \underline{6.7 \times 9.9} \\ & = 66.33 \end{aligned}$$

$$\begin{aligned} & 0.1 \times \underline{((-5.4) - 4.1)} \\ & = \underline{0.1 \times (-9.5)} \\ & = -0.95 \end{aligned}$$

$$\begin{aligned} & \underline{(4.4)^2} - (-7.4) \\ & = \underline{19.36 - (-7.4)} \\ & = 26.76 \end{aligned}$$