

Order of Operations with Decimals (J)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$6,3 \times 4,4 + (3,6)^2$$

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

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

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

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

$$4,7 \times (5,6 - 1,6)^2$$

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

$$(4,5)^2 - 6,7 \times 2,4$$

$$2,5 \times (4,6)^2 + 5,7$$

$$2,2 \times 8,4 + (5,8)^2$$

Order of Operations with Decimals (J) Answers

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Date: _____

Simplify each expression using the correct order of operations.

$$\begin{aligned} &6,3 \times 4,4 + \underline{(3,6)^2} \\ &= \underline{6,3 \times 4,4} + 12,96 \\ &= \underline{27,72} + 12,96 \\ &= 40,68 \end{aligned}$$

$$\begin{aligned} &\underline{(8,3)^2} + 6,6 \times 3,9 \\ &= 68,89 + \underline{6,6 \times 3,9} \\ &= \underline{68,89} + 25,74 \\ &= 94,63 \end{aligned}$$

$$\begin{aligned} &\underline{(1,4)^2} + 2,1 \times 4,9 \\ &= 1,96 + \underline{2,1 \times 4,9} \\ &= \underline{1,96} + 10,29 \\ &= 12,25 \end{aligned}$$

$$\begin{aligned} &\underline{(1,1)^2} + 9,9 \times 7,8 \\ &= 1,21 + \underline{9,9 \times 7,8} \\ &= \underline{1,21} + 77,22 \\ &= 78,43 \end{aligned}$$

$$\begin{aligned} &\underline{(8,1)^2} - 8,8 \times 1,9 \\ &= 65,61 - \underline{8,8 \times 1,9} \\ &= \underline{65,61} - 16,72 \\ &= 48,89 \end{aligned}$$

$$\begin{aligned} &4,7 \times \underline{(5,6 - 1,6)^2} \\ &= 4,7 \times \underline{4^2} \\ &= \underline{4,7 \times 16} \\ &= 75,2 \end{aligned}$$

$$\begin{aligned} &5,6 \times \underline{(2,5)^2} - 2,1 \\ &= \underline{5,6 \times 6,25} - 2,1 \\ &= \underline{35} - 2,1 \\ &= 32,9 \end{aligned}$$

$$\begin{aligned} &\underline{(4,5)^2} - 6,7 \times 2,4 \\ &= 20,25 - \underline{6,7 \times 2,4} \\ &= \underline{20,25} - 16,08 \\ &= 4,17 \end{aligned}$$

$$\begin{aligned} &2,5 \times \underline{(4,6)^2} + 5,7 \\ &= \underline{2,5 \times 21,16} + 5,7 \\ &= \underline{52,9} + 5,7 \\ &= 58,6 \end{aligned}$$

$$\begin{aligned} &2,2 \times 8,4 + \underline{(5,8)^2} \\ &= \underline{2,2 \times 8,4} + 33,64 \\ &= \underline{18,48} + 33,64 \\ &= 52,12 \end{aligned}$$