

Order of Operations with Decimals (C)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$(8,6 - (2,5)^2) \times 7,4$$

$$(1,6)^2 + 1,7 \times 9,5$$

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

$$4,5 \times 3,7 + (7,1)^2$$

$$(8,3)^2 + 5,4 \times 4,7$$

$$(2,2 + (2,5)^2) \times 3,4$$

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

$$6,3 \times 4,4 + (2,1)^2$$

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

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

Order of Operations with Decimals (C) Answers

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$\begin{aligned} & (8,6 - \underline{(2,5)^2}) \times 7,4 \\ & = \underline{(8,6 - 6,25)} \times 7,4 \\ & = \underline{2,35 \times 7,4} \\ & = 17,39 \end{aligned}$$

$$\begin{aligned} & \underline{(1,6)^2} + 1,7 \times 9,5 \\ & = 2,56 + \underline{1,7 \times 9,5} \\ & = \underline{2,56 + 16,15} \\ & = 18,71 \end{aligned}$$

$$\begin{aligned} & \underline{(2,3)^2} + 5,3 \times 8,6 \\ & = 5,29 + \underline{5,3 \times 8,6} \\ & = \underline{5,29 + 45,58} \\ & = 50,87 \end{aligned}$$

$$\begin{aligned} & 4,5 \times 3,7 + \underline{(7,1)^2} \\ & = \underline{4,5 \times 3,7} + 50,41 \\ & = \underline{16,65 + 50,41} \\ & = 67,06 \end{aligned}$$

$$\begin{aligned} & \underline{(8,3)^2} + 5,4 \times 4,7 \\ & = 68,89 + \underline{5,4 \times 4,7} \\ & = \underline{68,89 + 25,38} \\ & = 94,27 \end{aligned}$$

$$\begin{aligned} & (2,2 + \underline{(2,5)^2}) \times 3,4 \\ & = \underline{(2,2 + 6,25)} \times 3,4 \\ & = \underline{8,45 \times 3,4} \\ & = 28,73 \end{aligned}$$

$$\begin{aligned} & 3,9 \times 6,6 + \underline{(2,6)^2} \\ & = \underline{3,9 \times 6,6} + 6,76 \\ & = \underline{25,74 + 6,76} \\ & = 32,5 \end{aligned}$$

$$\begin{aligned} & 6,3 \times 4,4 + \underline{(2,1)^2} \\ & = \underline{6,3 \times 4,4} + 4,41 \\ & = \underline{27,72 + 4,41} \\ & = 32,13 \end{aligned}$$

$$\begin{aligned} & \underline{(4,8)^2} + 1,4 \times 6,6 \\ & = 23,04 + \underline{1,4 \times 6,6} \\ & = \underline{23,04 + 9,24} \\ & = 32,28 \end{aligned}$$

$$\begin{aligned} & \underline{(5,4)^2} - 2,9 \times 5,8 \\ & = 29,16 - \underline{2,9 \times 5,8} \\ & = \underline{29,16 - 16,82} \\ & = 12,34 \end{aligned}$$