

Order of Operations with Decimals (A)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$(5,9 - 5,3) \times 7,2 + (1,4)^2$$

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

$$8,5 \times ((1,6)^2 + 2,4 - 2,1)$$

$$(7,9)^2 + 4,2 \times (6,5 - 5,7)$$

$$(7,3)^2 + 9,1 \div (8,7 - 6,1)$$

$$(3,2)^2 \times (1,6 - 1,4 + 8,3)$$

$$(5,2 + 6,6 - 9,3)^2 \times 3,8$$

$$3,8 \times (9,5 + (2,5)^2 - 2,4)$$

Order of Operations with Decimals (A) Answers

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$\begin{aligned} & (\underline{5,9 - 5,3}) \times 7,2 + (1,4)^2 \\ & = 0,6 \times 7,2 + \underline{(1,4)^2} \\ & = \underline{0,6 \times 7,2} + 1,96 \\ & = \underline{4,32 + 1,96} \\ & = 6,28 \end{aligned}$$

$$\begin{aligned} & (\underline{(2,1)^2} + 5,2 - 7,2) \times 7,1 \\ & = (\underline{4,41 + 5,2} - 7,2) \times 7,1 \\ & = (\underline{9,61 - 7,2}) \times 7,1 \\ & = \underline{2,41 \times 7,1} \\ & = 17,111 \end{aligned}$$

$$\begin{aligned} & 8,5 \times (\underline{(1,6)^2} + 2,4 - 2,1) \\ & = 8,5 \times (\underline{2,56 + 2,4} - 2,1) \\ & = 8,5 \times (\underline{4,96 - 2,1}) \\ & = \underline{8,5 \times 2,86} \\ & = 24,31 \end{aligned}$$

$$\begin{aligned} & (7,9)^2 + 4,2 \times (\underline{6,5 - 5,7}) \\ & = \underline{(7,9)^2} + 4,2 \times 0,8 \\ & = 62,41 + \underline{4,2 \times 0,8} \\ & = \underline{62,41 + 3,36} \\ & = 65,77 \end{aligned}$$

$$\begin{aligned} & (7,3)^2 + 9,1 \div (\underline{8,7 - 6,1}) \\ & = \underline{(7,3)^2} + 9,1 \div 2,6 \\ & = 53,29 + \underline{9,1 \div 2,6} \\ & = \underline{53,29 + 3,5} \\ & = 56,79 \end{aligned}$$

$$\begin{aligned} & (3,2)^2 \times (\underline{1,6 - 1,4} + 8,3) \\ & = (3,2)^2 \times (\underline{0,2 + 8,3}) \\ & = \underline{(3,2)^2} \times 8,5 \\ & = \underline{10,24 \times 8,5} \\ & = 87,04 \end{aligned}$$

$$\begin{aligned} & (\underline{5,2 + 6,6} - 9,3)^2 \times 3,8 \\ & = (\underline{11,8 - 9,3})^2 \times 3,8 \\ & = \underline{(2,5)^2} \times 3,8 \\ & = \underline{6,25 \times 3,8} \\ & = 23,75 \end{aligned}$$

$$\begin{aligned} & 3,8 \times (9,5 + \underline{(2,5)^2} - 2,4) \\ & = 3,8 \times (\underline{9,5 + 6,25} - 2,4) \\ & = 3,8 \times (\underline{15,75 - 2,4}) \\ & = \underline{3,8 \times 13,35} \\ & = 50,73 \end{aligned}$$