

Order of Operations with Decimals (B)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$(1,3)^2 + 3,5 \times 8,1$$

$$(8,5)^2 - 7,2 \div 1,6$$

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

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

$$6,2 \times ((2,5)^2 - 1,3)$$

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

$$6,8 \times 3,5 + (4,1)^2$$

$$9,5 \times 5,3 + (1,6)^2$$

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

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

Order of Operations with Decimals (B) Answers

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$\begin{aligned} & \underline{(1,3)^2} + 3,5 \times 8,1 \\ &= 1,69 + \underline{3,5 \times 8,1} \\ &= \underline{1,69 + 28,35} \\ &= 30,04 \end{aligned}$$

$$\begin{aligned} & \underline{(8,5)^2} - 7,2 \div 1,6 \\ &= 72,25 - \underline{7,2 \div 1,6} \\ &= \underline{72,25 - 4,5} \\ &= 67,75 \end{aligned}$$

$$\begin{aligned} & 2,7 \times 4,6 + \underline{(5,2)^2} \\ &= \underline{2,7 \times 4,6} + 27,04 \\ &= \underline{12,42 + 27,04} \\ &= 39,46 \end{aligned}$$

$$\begin{aligned} & \underline{(8,9)^2} + 1,9 \times 2,5 \\ &= 79,21 + \underline{1,9 \times 2,5} \\ &= \underline{79,21 + 4,75} \\ &= 83,96 \end{aligned}$$

$$\begin{aligned} & 6,2 \times \left(\underline{(2,5)^2} - 1,3 \right) \\ &= 6,2 \times \left(\underline{6,25 - 1,3} \right) \\ &= \underline{6,2 \times 4,95} \\ &= 30,69 \end{aligned}$$

$$\begin{aligned} & \underline{(7,2)^2} - 1,4 \div 2,5 \\ &= 51,84 - \underline{1,4 \div 2,5} \\ &= \underline{51,84 - 0,56} \\ &= 51,28 \end{aligned}$$

$$\begin{aligned} & 6,8 \times 3,5 + \underline{(4,1)^2} \\ &= \underline{6,8 \times 3,5} + 16,81 \\ &= \underline{23,8 + 16,81} \\ &= 40,61 \end{aligned}$$

$$\begin{aligned} & 9,5 \times 5,3 + \underline{(1,6)^2} \\ &= \underline{9,5 \times 5,3} + 2,56 \\ &= \underline{50,35 + 2,56} \\ &= 52,91 \end{aligned}$$

$$\begin{aligned} & 8,2 \times 5,5 + \underline{(3,9)^2} \\ &= \underline{8,2 \times 5,5} + 15,21 \\ &= \underline{45,1 + 15,21} \\ &= 60,31 \end{aligned}$$

$$\begin{aligned} & 2,8 \times 3,3 + \underline{(3,6)^2} \\ &= \underline{2,8 \times 3,3} + 12,96 \\ &= \underline{9,24 + 12,96} \\ &= 22,2 \end{aligned}$$