

Order of Operations with Decimals (F)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$(-1,9)^2 \times (3,2 - (-3,8))$$

$$1,1 - 0,3 \div (0,2)^2$$

$$(-0,9) \times 5,1 + (6,8)^2$$

$$(-9,8)^2 - 2,5 \times 1,6$$

$$(4,4 + (-3,8)^2) \div 0,5$$

$$(-0,7)^2 + 4,5 \times (-3,6)$$

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

$$(-9,7) - 3,75 \times (1,6)^2$$

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

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

Order of Operations with Decimals (F) Answers

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Simplify each expression using the correct order of operations.

$$\begin{aligned} & (-1,9)^2 \times (3,2 - (-3,8)) \\ &= \underline{(-1,9)^2} \times 7 \\ &= \underline{3,61 \times 7} \\ &= 25,27 \end{aligned}$$

$$\begin{aligned} & 1,1 - 0,3 \div \underline{(0,2)^2} \\ &= 1,1 - \underline{0,3 \div 0,04} \\ &= \underline{1,1 - 7,5} \\ &= -6,4 \end{aligned}$$

$$\begin{aligned} & (-0,9) \times 5,1 + \underline{(6,8)^2} \\ &= \underline{(-0,9) \times 5,1} + 46,24 \\ &= \underline{(-4,59) + 46,24} \\ &= 41,65 \end{aligned}$$

$$\begin{aligned} & \underline{(-9,8)^2} - 2,5 \times 1,6 \\ &= 96,04 - \underline{2,5 \times 1,6} \\ &= \underline{96,04 - 4} \\ &= 92,04 \end{aligned}$$

$$\begin{aligned} & (4,4 + \underline{(-3,8)^2}) \div 0,5 \\ &= \underline{(4,4 + 14,44)} \div 0,5 \\ &= \underline{18,84 \div 0,5} \\ &= 37,68 \end{aligned}$$

$$\begin{aligned} & \underline{(-0,7)^2} + 4,5 \times (-3,6) \\ &= 0,49 + \underline{4,5 \times (-3,6)} \\ &= \underline{0,49 + (-16,2)} \\ &= -15,71 \end{aligned}$$

$$\begin{aligned} & \underline{(-5,2)^2} + 6,2 \times 2,5 \\ &= 27,04 + \underline{6,2 \times 2,5} \\ &= \underline{27,04 + 15,5} \\ &= 42,54 \end{aligned}$$

$$\begin{aligned} & (-9,7) - 3,75 \times \underline{(1,6)^2} \\ &= (-9,7) - \underline{3,75 \times 2,56} \\ &= \underline{(-9,7) - 9,6} \\ &= -19,3 \end{aligned}$$

$$\begin{aligned} & 3,8 \times (-9,1) + \underline{(6,9)^2} \\ &= \underline{3,8 \times (-9,1)} + 47,61 \\ &= \underline{(-34,58) + 47,61} \\ &= 13,03 \end{aligned}$$

$$\begin{aligned} & (4,1 - \underline{(3,5)^2}) \times (-6,4) \\ &= \underline{(4,1 - 12,25)} \times (-6,4) \\ &= \underline{(-8,15) \times (-6,4)} \\ &= 52,16 \end{aligned}$$