

Order of Operations with Decimals (D)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

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

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

$$(6,5 + (-7,9)) \div (-0,4)^2$$

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

$$5,3 \times 7,8 - (5,6)^2$$

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

$$(2,2)^2 - (-3,6) \div 0,4$$

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

$$6,5 \times 1,8 - (-0,3)^2$$

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

Order of Operations with Decimals (D) Answers

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Date: _____

Simplify each expression using the correct order of operations.

$$\begin{aligned} & \underline{(2,8 - 4,4)} \times (-3,5)^2 \\ & = (-1,6) \times \underline{(-3,5)^2} \\ & = \underline{(-1,6) \times 12,25} \\ & = -19,6 \end{aligned}$$

$$\begin{aligned} & \underline{(3,4)^2} - 4,4 \times (-9,2) \\ & = 11,56 - \underline{4,4 \times (-9,2)} \\ & = \underline{11,56 - (-40,48)} \\ & = 52,04 \end{aligned}$$

$$\begin{aligned} & \underline{(6,5 + (-7,9))} \div (-0,4)^2 \\ & = (-1,4) \div \underline{(-0,4)^2} \\ & = \underline{(-1,4) \div 0,16} \\ & = -8,75 \end{aligned}$$

$$\begin{aligned} & \underline{((-3,6) + 3,6)} \div (-9,3)^2 \\ & = 0 \div \underline{(-9,3)^2} \\ & = \underline{0 \div 86,49} \\ & = 0 \end{aligned}$$

$$\begin{aligned} & 5,3 \times 7,8 - \underline{(5,6)^2} \\ & = \underline{5,3 \times 7,8} - 31,36 \\ & = \underline{41,34 - 31,36} \\ & = 9,98 \end{aligned}$$

$$\begin{aligned} & \underline{(-7,8)^2} \div 1,2 + (-7,2) \\ & = \underline{60,84 \div 1,2} + (-7,2) \\ & = \underline{50,7 + (-7,2)} \\ & = 43,5 \end{aligned}$$

$$\begin{aligned} & \underline{(2,2)^2} - (-3,6) \div 0,4 \\ & = 4,84 - \underline{(-3,6) \div 0,4} \\ & = \underline{4,84 - (-9)} \\ & = 13,84 \end{aligned}$$

$$\begin{aligned} & (3,4)^2 \times \underline{((-4,3) + (-1,7))} \\ & = \underline{(3,4)^2} \times (-6) \\ & = \underline{11,56 \times (-6)} \\ & = -69,36 \end{aligned}$$

$$\begin{aligned} & 6,5 \times 1,8 - \underline{(-0,3)^2} \\ & = \underline{6,5 \times 1,8} - 0,09 \\ & = \underline{11,7 - 0,09} \\ & = 11,61 \end{aligned}$$

$$\begin{aligned} & (5,6 - \underline{(3,2)^2}) \times 4,8 \\ & = \underline{(5,6 - 10,24)} \times 4,8 \\ & = \underline{(-4,64) \times 4,8} \\ & = -22,272 \end{aligned}$$