

Order of Operations with Decimals (B)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$(-6.5) + (1.1)^2 \div (-2.2)$$

$$(-1.7)^2 + 4.7 \times 9.7$$

$$((-4.4)^2 - (-2.1)) \times 2.5$$

$$6.2 \times 5.6 + (-2.5)^2$$

$$(-7.4) - (8.1)^2 \div 1.5$$

$$(-2.3) \times 0.6 - (9.3)^2$$

$$(4.3)^2 - (-3.3) \times (-8.2)$$

$$(7.1)^2 - 2.1 \times 8.2$$

$$(-6.3)^2 + 0.8 \times 5.5$$

$$(0.1 + (-3.7)^2) \div (-3.5)$$

Order of Operations with Decimals (B) Answers

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Date: _____

Simplify each expression using the correct order of operations.

$$\begin{aligned} &(-6.5) + \underline{(1.1)^2} \div (-2.2) \\ &= (-6.5) + \underline{1.21 \div (-2.2)} \\ &= \underline{(-6.5) + (-0.55)} \\ &= -7.05 \end{aligned}$$

$$\begin{aligned} &\underline{(-1.7)^2} + 4.7 \times 9.7 \\ &= 2.89 + \underline{4.7 \times 9.7} \\ &= \underline{2.89 + 45.59} \\ &= 48.48 \end{aligned}$$

$$\begin{aligned} &\underline{((-4.4)^2 - (-2.1))} \times 2.5 \\ &= \underline{(19.36 - (-2.1))} \times 2.5 \\ &= \underline{21.46 \times 2.5} \\ &= 53.65 \end{aligned}$$

$$\begin{aligned} &6.2 \times 5.6 + \underline{(-2.5)^2} \\ &= \underline{6.2 \times 5.6} + 6.25 \\ &= \underline{34.72 + 6.25} \\ &= 40.97 \end{aligned}$$

$$\begin{aligned} &(-7.4) - \underline{(8.1)^2} \div 1.5 \\ &= (-7.4) - \underline{65.61 \div 1.5} \\ &= \underline{(-7.4) - 43.74} \\ &= -51.14 \end{aligned}$$

$$\begin{aligned} &(-2.3) \times 0.6 - \underline{(9.3)^2} \\ &= \underline{(-2.3) \times 0.6} - 86.49 \\ &= \underline{(-1.38) - 86.49} \\ &= -87.87 \end{aligned}$$

$$\begin{aligned} &\underline{(4.3)^2} - (-3.3) \times (-8.2) \\ &= 18.49 - \underline{(-3.3) \times (-8.2)} \\ &= \underline{18.49 - 27.06} \\ &= -8.57 \end{aligned}$$

$$\begin{aligned} &\underline{(7.1)^2} - 2.1 \times 8.2 \\ &= 50.41 - \underline{2.1 \times 8.2} \\ &= \underline{50.41 - 17.22} \\ &= 33.19 \end{aligned}$$

$$\begin{aligned} &\underline{(-6.3)^2} + 0.8 \times 5.5 \\ &= 39.69 + \underline{0.8 \times 5.5} \\ &= \underline{39.69 + 4.4} \\ &= 44.09 \end{aligned}$$

$$\begin{aligned} &\underline{(0.1 + (-3.7)^2)} \div (-3.5) \\ &= \underline{(0.1 + 13.69)} \div (-3.5) \\ &= \underline{13.79 \div (-3.5)} \\ &= -3.94 \end{aligned}$$