

Order of Operations (J)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

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

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

$$2^3 - (-9) \times (-7)$$

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

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

$$(-8) \div 2^3 - (-5)$$

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

$$3 \times \left((-8) - (-2)^2 \right)$$

$$(-2)^2 \times (2 + (-7))$$

$$(-7) \times (8 - 10)^3$$

Order of Operations (J) Answers

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Simplify each expression using the correct order of operations.

$$\begin{aligned} & \underline{4^2} \times (-3) + 6 \\ &= \underline{16 \times (-3)} + 6 \\ &= \underline{(-48)} + 6 \\ &= \underline{-42} \end{aligned}$$

$$\begin{aligned} & (-4) + 7 \times \underline{2^3} \\ &= (-4) + \underline{7 \times 8} \\ &= \underline{(-4) + 56} \\ &= \underline{52} \end{aligned}$$

$$\begin{aligned} & \underline{2^3} - (-9) \times (-7) \\ &= 8 - \underline{(-9) \times (-7)} \\ &= \underline{8 - 63} \\ &= \underline{-55} \end{aligned}$$

$$\begin{aligned} & (-2)^3 \times \left(\underline{(-5) + (-4)} \right) \\ &= \underline{(-2)^3} \times (-9) \\ &= \underline{(-8) \times (-9)} \\ &= \underline{72} \end{aligned}$$

$$\begin{aligned} & (-5) \times 7 + \underline{6^2} \\ &= \underline{(-5) \times 7} + 36 \\ &= \underline{(-35) + 36} \\ &= \underline{1} \end{aligned}$$

$$\begin{aligned} & (-8) \div \underline{2^3} - (-5) \\ &= \underline{(-8) \div 8} - (-5) \\ &= \underline{(-1) - (-5)} \\ &= \underline{4} \end{aligned}$$

$$\begin{aligned} & (-3) \times (-4) - \underline{2^2} \\ &= \underline{(-3) \times (-4)} - 4 \\ &= \underline{12 - 4} \\ &= \underline{8} \end{aligned}$$

$$\begin{aligned} & 3 \times \left((-8) - \underline{(-2)^2} \right) \\ &= 3 \times \left(\underline{(-8) - 4} \right) \\ &= \underline{3 \times (-12)} \\ &= \underline{-36} \end{aligned}$$

$$\begin{aligned} & (-2)^2 \times \left(\underline{2 + (-7)} \right) \\ &= \underline{(-2)^2} \times (-5) \\ &= \underline{4 \times (-5)} \\ &= \underline{-20} \end{aligned}$$

$$\begin{aligned} & (-7) \times \left(\underline{8 - 10} \right)^3 \\ &= (-7) \times \underline{(-2)^3} \\ &= \underline{(-7) \times (-8)} \\ &= \underline{56} \end{aligned}$$