

Order of Operations (J)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$(-7) \times (((-5) - (-3) + 8) \div 3)$$

$$(8 - (-7) \div 7) \times (-6) + (-10)$$

$$(7 + (-4)) \times ((-10) - (-7)) \div (-9)$$

$$((-6) - 2 \div (-2)) \times (9 + 6)$$

$$10 - 4 \times ((-8) \div 2 + 7)$$

$$(10 - 3 \times (-7) + 9) \div 5$$

$$(4 - 8) \times (-6) \div 2 + (-9)$$

$$(-4) \div (4 - 8 + 3) \times (-3)$$

Order of Operations (J) Answers

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$\begin{aligned} & (-7) \times \left(\left(\underline{(-5) - (-3)} + 8 \right) \div 3 \right) \\ &= (-7) \times \left(\left(\underline{(-2) + 8} \right) \div 3 \right) \\ &= (-7) \times \left(\underline{6 \div 3} \right) \\ &= \underline{(-7) \times 2} \\ &= \underline{-14} \end{aligned}$$

$$\begin{aligned} & \left(8 - \underline{(-7) \div 7} \right) \times (-6) + (-10) \\ &= \left(\underline{8 - (-1)} \right) \times (-6) + (-10) \\ &= \underline{9 \times (-6)} + (-10) \\ &= \underline{(-54) + (-10)} \\ &= \underline{-64} \end{aligned}$$

$$\begin{aligned} & \left(\underline{7 + (-4)} \right) \times \left((-10) - (-7) \right) \div (-9) \\ &= 3 \times \left(\underline{(-10) - (-7)} \right) \div (-9) \\ &= \underline{3 \times (-3)} \div (-9) \\ &= \underline{(-9) \div (-9)} \\ &= \underline{1} \end{aligned}$$

$$\begin{aligned} & \left((-6) - \underline{2 \div (-2)} \right) \times (9 + 6) \\ &= \left(\underline{(-6) - (-1)} \right) \times (9 + 6) \\ &= (-5) \times \underline{(9 + 6)} \\ &= \underline{(-5) \times 15} \\ &= \underline{-75} \end{aligned}$$

$$\begin{aligned} & 10 - 4 \times \left(\underline{(-8) \div 2} + 7 \right) \\ &= 10 - 4 \times \left(\underline{(-4) + 7} \right) \\ &= 10 - \underline{4 \times 3} \\ &= \underline{10 - 12} \\ &= \underline{-2} \end{aligned}$$

$$\begin{aligned} & \left(10 - \underline{3 \times (-7)} + 9 \right) \div 5 \\ &= \left(\underline{10 - (-21)} + 9 \right) \div 5 \\ &= \underline{(31 + 9)} \div 5 \\ &= \underline{40 \div 5} \\ &= \underline{8} \end{aligned}$$

$$\begin{aligned} & \left(\underline{4 - 8} \right) \times (-6) \div 2 + (-9) \\ &= \underline{(-4) \times (-6)} \div 2 + (-9) \\ &= \underline{24 \div 2} + (-9) \\ &= \underline{12 + (-9)} \\ &= \underline{3} \end{aligned}$$

$$\begin{aligned} & (-4) \div \left(\underline{4 - 8} + 3 \right) \times (-3) \\ &= (-4) \div \left(\underline{(-4) + 3} \right) \times (-3) \\ &= \underline{(-4) \div (-1)} \times (-3) \\ &= \underline{4 \times (-3)} \\ &= \underline{-12} \end{aligned}$$