

Order of Operations (C)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$10 - 2 + 9 \times (-8) \div ((-9) + (-3))$$

$$(2 - (-4)) \times 9 \div (6 + (-3)) \div 3$$

$$((-9) \div (5 - (-4))) \times (-5) + (-7) - 7$$

$$(-3) \div ((-10) - (-9) + 4) \times ((-6) - 2)$$

$$((4 - (-2)) \div (-3)) \times (7 + (-8) - 3)$$

$$((-9) + (-10)) \times (-3) \div 3 - 4 + 9$$

Order of Operations (C) Answers

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$\begin{aligned}10 - 2 + 9 \times (-8) \div ((-9) + (-3)) \\&= 10 - 2 + \underline{9 \times (-8)} \div (-12) \\&= 10 - 2 + \underline{(-72) \div (-12)} \\&= \underline{10 - 2} + 6 \\&= \underline{8 + 6} \\&= 14\end{aligned}$$

$$\begin{aligned}(2 - (-4)) \times 9 \div (6 + (-3)) \div 3 \\&= 6 \times 9 \div \underline{(6 + (-3))} \div 3 \\&= \underline{6 \times 9} \div 3 \div 3 \\&= \underline{54 \div 3} \div 3 \\&= \underline{18 \div 3} \\&= 6\end{aligned}$$

$$\begin{aligned}((-9) \div (5 - (-4))) \times (-5) + (-7) - 7 \\&= \underline{((-9) \div 9)} \times (-5) + (-7) - 7 \\&= \underline{(-1) \times (-5)} + (-7) - 7 \\&= \underline{5 + (-7)} - 7 \\&= \underline{(-2) - 7} \\&= -9\end{aligned}$$

$$\begin{aligned}(-3) \div ((-10) - (-9) + 4) \times ((-6) - 2) \\&= (-3) \div \underline{((-1) + 4)} \times ((-6) - 2) \\&= (-3) \div 3 \times \underline{((-6) - 2)} \\&= \underline{(-3) \div 3} \times (-8) \\&= \underline{(-1) \times (-8)} \\&= 8\end{aligned}$$

$$\begin{aligned}((4 - (-2)) \div (-3)) \times (7 + (-8) - 3) \\&= \underline{(6 \div (-3))} \times (7 + (-8) - 3) \\&= (-2) \times \underline{(7 + (-8) - 3)} \\&= (-2) \times \underline{((-1) - 3)} \\&= \underline{(-2) \times (-4)} \\&= 8\end{aligned}$$

$$\begin{aligned}((-9) + (-10)) \times (-3) \div 3 - 4 + 9 \\&= \underline{(-19) \times (-3)} \div 3 - 4 + 9 \\&= \underline{57 \div 3} - 4 + 9 \\&= \underline{19 - 4} + 9 \\&= \underline{15 + 9} \\&= 24\end{aligned}$$