

Order of Operations (C)

Name: _____

Date: _____

Solve 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: _____

Solve each expression using the correct order of operations.

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

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

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

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

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

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