

# Order of Operations (F)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Solve each expression using the correct order of operations.

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

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

$$(-4)^3 - (-8) \times (5 + 6 \div (-3))$$

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

$$10 \div (-2) \times (3 - 5 + 6)^2$$

$$(-3)^2 \times (5 + (-6) - 9) \div 2$$

# Order of Operations (F) Answers

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Solve each expression using the correct order of operations.

$$\begin{aligned} & 2 \times \left( \underline{(-5) + 6} - (-7) \right) \div (-2)^2 \\ & = 2 \times \left( \underline{1 - (-7)} \right) \div (-2)^2 \\ & = 2 \times 8 \div \underline{(-2)^2} \\ & = \underline{2 \times 8} \div 4 \\ & = \underline{16 \div 4} \\ & = 4 \end{aligned}$$

$$\begin{aligned} & \left( (-4) \times \underline{(-3)^2} \right) \div 4 + 6 - (-10) \\ & = \left( \underline{(-4) \times 9} \right) \div 4 + 6 - (-10) \\ & = \underline{(-36) \div 4} + 6 - (-10) \\ & = \underline{(-9) + 6} - (-10) \\ & = \underline{(-3) - (-10)} \\ & = 7 \end{aligned}$$

$$\begin{aligned} & (-4)^3 - (-8) \times \left( 5 + \underline{6 \div (-3)} \right) \\ & = (-4)^3 - (-8) \times \left( \underline{5 + (-2)} \right) \\ & = \underline{(-4)^3} - (-8) \times 3 \\ & = (-64) - \underline{(-8) \times 3} \\ & = \underline{(-64) - (-24)} \\ & = -40 \end{aligned}$$

$$\begin{aligned} & \left( \underline{(-10) \times 9} \right) \div (-9) + 10 - 4^2 \\ & = (-90) \div (-9) + 10 - \underline{4^2} \\ & = \underline{(-90) \div (-9)} + 10 - 16 \\ & = \underline{10 + 10} - 16 \\ & = \underline{20 - 16} \\ & = 4 \end{aligned}$$

$$\begin{aligned} & 10 \div (-2) \times \left( \underline{3 - 5} + 6 \right)^2 \\ & = 10 \div (-2) \times \left( \underline{(-2) + 6} \right)^2 \\ & = 10 \div (-2) \times \underline{4^2} \\ & = \underline{10 \div (-2)} \times 16 \\ & = \underline{(-5) \times 16} \\ & = -80 \end{aligned}$$

$$\begin{aligned} & (-3)^2 \times \left( \underline{5 + (-6)} - 9 \right) \div 2 \\ & = (-3)^2 \times \left( \underline{(-1) - 9} \right) \div 2 \\ & = \underline{(-3)^2} \times (-10) \div 2 \\ & = \underline{9 \times (-10)} \div 2 \\ & = \underline{(-90) \div 2} \\ & = -45 \end{aligned}$$