

# Order of Operations (H)

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

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

Simplify each expression using the correct order of operations.

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

$$(-9) - (-3) + 4^2 \times (-4)$$

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

$$(-3) \times 9 - 3^2 + 4$$

$$7 + (-8)^2 - (-3) \times (-5)$$

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

$$7 \times ((-9) - 4^2 \div (-4))$$

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

$$(-7) \times (-8) + 2 - (-2)^2$$

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

# Order of Operations (H) Answers

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

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

Simplify each expression using the correct order of operations.

$$\begin{aligned} & 3^2 + 4 \times ((-5) - (-4)) \\ &= \underline{3^2} + 4 \times (-1) \\ &= 9 + \underline{4 \times (-1)} \\ &= \underline{9 + (-4)} \\ &= 5 \end{aligned}$$

$$\begin{aligned} & 8 \div (-8) \times ((-3)^3 + 6) \\ &= 8 \div (-8) \times ((-27) + 6) \\ &= \underline{8 \div (-8)} \times (-21) \\ &= \underline{(-1) \times (-21)} \\ &= 21 \end{aligned}$$

$$\begin{aligned} & 7 + \underline{(-8)^2} - (-3) \times (-5) \\ &= 7 + 64 - \underline{(-3) \times (-5)} \\ &= \underline{7 + 64} - 15 \\ &= \underline{71 - 15} \\ &= 56 \end{aligned}$$

$$\begin{aligned} & 7 \times ((-9) - \underline{4^2} \div (-4)) \\ &= 7 \times ((-9) - \underline{16 \div (-4)}) \\ &= 7 \times ((-9) - (-4)) \\ &= \underline{7 \times (-5)} \\ &= -35 \end{aligned}$$

$$\begin{aligned} & (-7) \times (-8) + 2 - \underline{(-2)^2} \\ &= \underline{(-7) \times (-8)} + 2 - 4 \\ &= \underline{56 + 2} - 4 \\ &= \underline{58 - 4} \\ &= 54 \end{aligned}$$

$$\begin{aligned} & (-9) - (-3) + \underline{4^2} \times (-4) \\ &= (-9) - (-3) + \underline{16 \times (-4)} \\ &= \underline{(-9) - (-3)} + (-64) \\ &= \underline{(-6) + (-64)} \\ &= -70 \end{aligned}$$

$$\begin{aligned} & (-3) \times 9 - \underline{3^2} + 4 \\ &= \underline{(-3) \times 9} - 9 + 4 \\ &= \underline{(-27) - 9} + 4 \\ &= \underline{(-36) + 4} \\ &= -32 \end{aligned}$$

$$\begin{aligned} & (3 + \underline{(-3)^2}) \div (-4) - 6 \\ &= \underline{(3 + 9)} \div (-4) - 6 \\ &= \underline{12 \div (-4)} - 6 \\ &= \underline{(-3) - 6} \\ &= -9 \end{aligned}$$

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

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