

# Order of Operations (I)

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

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

Simplify each expression using the correct order of operations.

$$(-6) - 9 \div ((7 + (-8)) \times ((-4) - (-7)))$$

$$(5 \div ((-2) + (-4) - (-7))) \times ((-3) \times 2)$$

$$((4 - 10) \div (-6)) \times (7 + (-9) + (-10))$$

$$3 \times ((-2) - (-8)) \div 6 + (-6) \times 9$$

$$(-4) \times (8 + 9 - 10) \div ((-2) \times 7)$$

$$3 + (-7) \times 8 - 9 \div (5 - (-4))$$

# Order of Operations (I) Answers

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

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

Simplify each expression using the correct order of operations.

$$\begin{aligned} & (-6) - 9 \div ((\underline{7 + (-8)}) \times ((-4) - (-7))) \\ &= (-6) - 9 \div ((-1) \times (\underline{(-4) - (-7)})) \\ &= (-6) - 9 \div (\underline{(-1) \times 3}) \\ &= (-6) - \underline{9 \div (-3)} \\ &= \underline{(-6) - (-3)} \\ &= \underline{-3} \end{aligned}$$

$$\begin{aligned} & (5 \div ((\underline{-2} + \underline{-4}) - (-7))) \times ((-3) \times 2) \\ &= (5 \div (\underline{-6} - \underline{-7})) \times ((-3) \times 2) \\ &= (\underline{5 \div 1}) \times ((-3) \times 2) \\ &= 5 \times (\underline{(-3) \times 2}) \\ &= \underline{5 \times (-6)} \\ &= \underline{-30} \end{aligned}$$

$$\begin{aligned} & ((\underline{4 - 10}) \div (-6)) \times (7 + (-9) + (-10)) \\ &= (\underline{-6 \div (-6)}) \times (7 + (-9) + (-10)) \\ &= 1 \times (\underline{7 + (-9)} + (-10)) \\ &= 1 \times (\underline{-2} + \underline{-10}) \\ &= \underline{1 \times (-12)} \\ &= \underline{-12} \end{aligned}$$

$$\begin{aligned} & 3 \times (\underline{-2} - \underline{-8}) \div 6 + (-6) \times 9 \\ &= \underline{3 \times 6} \div 6 + (-6) \times 9 \\ &= \underline{18 \div 6} + (-6) \times 9 \\ &= 3 + \underline{(-6) \times 9} \\ &= \underline{3 + (-54)} \\ &= \underline{-51} \end{aligned}$$

$$\begin{aligned} & (-4) \times (\underline{8 + 9} - 10) \div ((-2) \times 7) \\ &= (-4) \times (\underline{17 - 10}) \div ((-2) \times 7) \\ &= (-4) \times 7 \div (\underline{(-2) \times 7}) \\ &= \underline{(-4) \times 7} \div (-14) \\ &= \underline{(-28) \div (-14)} \\ &= \underline{2} \end{aligned}$$

$$\begin{aligned} & 3 + (-7) \times 8 - 9 \div (\underline{5 - (-4)}) \\ &= 3 + \underline{(-7) \times 8} - 9 \div 9 \\ &= 3 + (-56) - \underline{9 \div 9} \\ &= \underline{3 + (-56)} - 1 \\ &= \underline{(-53)} - 1 \\ &= \underline{-54} \end{aligned}$$