

Order of Operations (H)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$(5 + (-9)) \times 10 \div (-8) - (-10) + 2 \times (-7)$$

$$(9 \times 4) \div ((-6) - 3 + (-9)) \div (6 - 8)$$

$$(5 - 7 + (-10)) \div 2 \times 8 + 3 - (-8)$$

Order of Operations (H) Answers

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$\begin{aligned} & (5 + (-9)) \times 10 \div (-8) - (-10) + 2 \times (-7) \\ &= (-4) \times 10 \div (-8) - (-10) + 2 \times (-7) \\ &= (-40) \div (-8) - (-10) + 2 \times (-7) \\ &= 5 - (-10) + 2 \times (-7) \\ &= 5 - (-10) + (-14) \\ &= 15 + (-14) \\ &= 1 \end{aligned}$$

$$\begin{aligned} & (9 \times 4) \div ((-6) - 3 + (-9)) \div (6 - 8) \\ &= 36 \div ((-6) - 3 + (-9)) \div (6 - 8) \\ &= 36 \div ((-9) + (-9)) \div (6 - 8) \\ &= 36 \div (-18) \div (6 - 8) \\ &= 36 \div (-18) \div (-2) \\ &= (-2) \div (-2) \\ &= 1 \end{aligned}$$

$$\begin{aligned} & (5 - 7 + (-10)) \div 2 \times 8 + 3 - (-8) \\ &= ((-2) + (-10)) \div 2 \times 8 + 3 - (-8) \\ &= (-12) \div 2 \times 8 + 3 - (-8) \\ &= (-6) \times 8 + 3 - (-8) \\ &= (-48) + 3 - (-8) \\ &= (-45) - (-8) \\ &= -37 \end{aligned}$$