

Order of Operations (H)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$((-3) + 3) \times (-8) \div 2 - 4 + 5$$

$$8 + 5 - 10 \times (-4) \div ((-10) \times 2)$$

$$4 + (-6) \times ((-3) - 7) \div ((-4) - (-8))$$

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

$$((5 - (-9)) \times 6) \div 4 + (-7) - 10$$

$$6 \div ((-2) + 8) \times (-6) - (-5) + (-4)$$

Order of Operations (H) Answers

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$\begin{aligned} & \underline{((-3) + 3)} \times (-8) \div 2 - 4 + 5 \\ & = \underline{0 \times (-8)} \div 2 - 4 + 5 \\ & = \underline{0 \div 2} - 4 + 5 \\ & = \underline{0 - 4} + 5 \\ & = \underline{(-4) + 5} \\ & = 1 \end{aligned}$$

$$\begin{aligned} & 8 + 5 - 10 \times (-4) \div \underline{((-10) \times 2)} \\ & = 8 + 5 - \underline{10 \times (-4)} \div (-20) \\ & = 8 + 5 - \underline{(-40) \div (-20)} \\ & = \underline{8 + 5} - 2 \\ & = \underline{13 - 2} \\ & = 11 \end{aligned}$$

$$\begin{aligned} & 4 + (-6) \times \underline{((-3) - 7)} \div ((-4) - (-8)) \\ & = 4 + (-6) \times (-10) \div \underline{((-4) - (-8))} \\ & = 4 + \underline{(-6) \times (-10)} \div 4 \\ & = 4 + \underline{60 \div 4} \\ & = \underline{4 + 15} \\ & = 19 \end{aligned}$$

$$\begin{aligned} & \underline{((-10) + 8)} \times (-9) - (-2) \div 2 \times 7 \\ & = \underline{(-2) \times (-9)} - (-2) \div 2 \times 7 \\ & = 18 - \underline{(-2) \div 2} \times 7 \\ & = 18 - \underline{(-1) \times 7} \\ & = \underline{18 - (-7)} \\ & = 25 \end{aligned}$$

$$\begin{aligned} & \underline{((5 - (-9)) \times 6)} \div 4 + (-7) - 10 \\ & = \underline{(14 \times 6)} \div 4 + (-7) - 10 \\ & = \underline{84 \div 4} + (-7) - 10 \\ & = \underline{21 + (-7)} - 10 \\ & = \underline{14 - 10} \\ & = 4 \end{aligned}$$

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