

Order of Operations (H)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$(9 \times 10) \div (6 + (-3) - (-6))$$

$$9 - 6 \div ((-4) + 10) \times 3$$

$$10 - 9 \div ((-4) + (-5)) \times 3$$

$$(-9) \times ((4 + 10 - 6) \div 8)$$

$$(9 \times 2 + 6) \div ((-4) - (-3))$$

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

$$(9 \div 3 + 6) \times 2 - 10$$

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

Order of Operations (H) Answers

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$\begin{aligned} & (9 \times 10) \div (6 + (-3) - (-6)) \\ &= 90 \div (6 + (-3) - (-6)) \\ &= 90 \div (3 - (-6)) \\ &= \underline{90 \div 9} \\ &= 10 \end{aligned}$$

$$\begin{aligned} & 9 - 6 \div ((-4) + 10) \times 3 \\ &= 9 - \underline{6 \div 6} \times 3 \\ &= 9 - \underline{1 \times 3} \\ &= \underline{9 - 3} \\ &= 6 \end{aligned}$$

$$\begin{aligned} & 10 - 9 \div ((-4) + (-5)) \times 3 \\ &= 10 - \underline{9 \div (-9)} \times 3 \\ &= 10 - \underline{(-1) \times 3} \\ &= \underline{10 - (-3)} \\ &= 13 \end{aligned}$$

$$\begin{aligned} & (-9) \times ((4 + 10) - 6) \div 8 \\ &= (-9) \times ((\underline{14 - 6}) \div 8) \\ &= (-9) \times (\underline{8 \div 8}) \\ &= \underline{(-9) \times 1} \\ &= -9 \end{aligned}$$

$$\begin{aligned} & (9 \times 2 + 6) \div ((-4) - (-3)) \\ &= (\underline{18 + 6}) \div ((-4) - (-3)) \\ &= 24 \div (\underline{(-4) - (-3)}) \\ &= \underline{24 \div (-1)} \\ &= -24 \end{aligned}$$

$$\begin{aligned} & ((-10) + (-4) - \underline{7 \div (-7)}) \times (-2) \\ &= (\underline{(-10) + (-4) - (-1)}) \times (-2) \\ &= (\underline{(-14) - (-1)}) \times (-2) \\ &= \underline{(-13) \times (-2)} \\ &= 26 \end{aligned}$$

$$\begin{aligned} & (9 \div 3 + 6) \times 2 - 10 \\ &= (\underline{3 + 6}) \times 2 - 10 \\ &= \underline{9 \times 2} - 10 \\ &= \underline{18 - 10} \\ &= 8 \end{aligned}$$

$$\begin{aligned} & ((-9) \times 7 + 6 - (-7)) \div 5 \\ &= (\underline{(-63) + 6 - (-7)}) \div 5 \\ &= (\underline{(-57) - (-7)}) \div 5 \\ &= \underline{(-50) \div 5} \\ &= -10 \end{aligned}$$