

Order of Operations (E)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$(8 - (-7)) \times ((-4) + (-2)) \div (-5)$$

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

$$2 \times (10 + (-6)) \div (-4) - (-5)$$

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

$$(-10) \times ((-9) - (-3) + 6) \div (-7)$$

$$(-6) \div 3 - (-5) \times (8 + 5)$$

$$(3 - (-10)) \div (7 + 6) \times 4$$

$$((-9) \div (-3) - (-8) + (-10)) \times 8$$

Order of Operations (E) Answers

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$\begin{aligned} & (8 - (-7)) \times ((-4) + (-2)) \div (-5) \\ &= 15 \times ((-4) + (-2)) \div (-5) \\ &= 15 \times (-6) \div (-5) \\ &= \frac{(-90)}{(-5)} \\ &= 18 \end{aligned}$$

$$\begin{aligned} & 7 \times (2 - (-10)) \div ((-8) + 4) \\ &= 7 \times 12 \div ((-8) + 4) \\ &= 7 \times 12 \div (-4) \\ &= \frac{84}{(-4)} \\ &= -21 \end{aligned}$$

$$\begin{aligned} & 2 \times (10 + (-6)) \div (-4) - (-5) \\ &= 2 \times 4 \div (-4) - (-5) \\ &= 8 \div (-4) - (-5) \\ &= \frac{(-2)}{(-5)} \\ &= 3 \end{aligned}$$

$$\begin{aligned} & ((-9) + 6 \div 3 - (-3)) \times 8 \\ &= ((-9) + 2 - (-3)) \times 8 \\ &= ((-7) - (-3)) \times 8 \\ &= \frac{(-4)}{8} \\ &= -32 \end{aligned}$$

$$\begin{aligned} & (-10) \times ((-9) - (-3) + 6) \div (-7) \\ &= (-10) \times ((-6) + 6) \div (-7) \\ &= \frac{(-10) \times 0}{(-7)} \\ &= \frac{0}{(-7)} \\ &= 0 \end{aligned}$$

$$\begin{aligned} & (-6) \div 3 - (-5) \times (8 + 5) \\ &= \frac{(-6)}{3} - (-5) \times 13 \\ &= (-2) - \frac{(-5) \times 13}{1} \\ &= \frac{(-2) - (-65)}{1} \\ &= 63 \end{aligned}$$

$$\begin{aligned} & (3 - (-10)) \div (7 + 6) \times 4 \\ &= 13 \div (7 + 6) \times 4 \\ &= 13 \div 13 \times 4 \\ &= 1 \times 4 \\ &= 4 \end{aligned}$$

$$\begin{aligned} & ((-9) \div (-3) - (-8) + (-10)) \times 8 \\ &= (3 - (-8) + (-10)) \times 8 \\ &= (11 + (-10)) \times 8 \\ &= 1 \times 8 \\ &= 8 \end{aligned}$$