

Order of Operations (B)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$((-4) \times (5 - 9)) \div ((-6) + 7) \times (-3)$$

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

$$7 + (-8) \times (8 - 2) \div (-6) \div (-4)$$

$$((-8) \times (4 - (-5))) \div (6 + 2) \div 9$$

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

$$(10 \div ((-4) + (-6))) \times ((-3) - 2 - 8)$$

Order of Operations (B) Answers

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$\begin{aligned} &((-4) \times (5 - 9)) \div ((-6) + 7) \times (-3) \\ &= ((-4) \times (-4)) \div ((-6) + 7) \times (-3) \\ &= 16 \div ((-6) + 7) \times (-3) \\ &= 16 \div 1 \times (-3) \\ &= 16 \times (-3) \\ &= -48 \end{aligned}$$

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

$$\begin{aligned} &7 + (-8) \times (8 - 2) \div (-6) \div (-4) \\ &= 7 + (-8) \times 6 \div (-6) \div (-4) \\ &= 7 + (-48) \div (-6) \div (-4) \\ &= 7 + 8 \div (-4) \\ &= 7 + (-2) \\ &= 5 \end{aligned}$$

$$\begin{aligned} &((-8) \times (4 - (-5))) \div (6 + 2) \div 9 \\ &= ((-8) \times 9) \div (6 + 2) \div 9 \\ &= (-72) \div (6 + 2) \div 9 \\ &= (-72) \div 8 \div 9 \\ &= (-9) \div 9 \\ &= -1 \end{aligned}$$

$$\begin{aligned} &(((-5) - 4) \div 9) \times ((-4) + (-9) + 5) \\ &= ((-9) \div 9) \times ((-4) + (-9) + 5) \\ &= (-1) \times ((-4) + (-9) + 5) \\ &= (-1) \times ((-13) + 5) \\ &= (-1) \times (-8) \\ &= 8 \end{aligned}$$

$$\begin{aligned} &(10 \div ((-4) + (-6))) \times ((-3) - 2 - 8) \\ &= (10 \div (-10)) \times ((-3) - 2 - 8) \\ &= (-1) \times ((-3) - 2 - 8) \\ &= (-1) \times ((-5) - 8) \\ &= (-1) \times (-13) \\ &= 13 \end{aligned}$$