

Order of Operations (B)

Name: _____

Date: _____

Solve each expression using the correct order of operations.

$$(6 + (-5) \div 5 - (-7)^2) \times 2$$

$$(7 - 5)^3 \times 10 \div ((-2) + 6)$$

$$(2 - 5 \times (-2) + (-9))^2 \div 9$$

$$3^3 \div (-3) \times (2 - 9 + 5)$$

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

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

Order of Operations (B) Answers

Name: _____

Date: _____

Solve each expression using the correct order of operations.

$$\begin{aligned} & (6 + (-5) \div 5 - (-7)^2) \times 2 \\ &= (6 + (-5) \div 5 - 49) \times 2 \\ &= (6 + (-1) - 49) \times 2 \\ &= (5 - 49) \times 2 \\ &= (-44) \times 2 \\ &= -88 \end{aligned}$$

$$\begin{aligned} & (7 - 5)^3 \times 10 \div ((-2) + 6) \\ &= 2^3 \times 10 \div ((-2) + 6) \\ &= 2^3 \times 10 \div 4 \\ &= 8 \times 10 \div 4 \\ &= 80 \div 4 \\ &= 20 \end{aligned}$$

$$\begin{aligned} & (2 - 5 \times (-2) + (-9))^2 \div 9 \\ &= (2 - (-10) + (-9))^2 \div 9 \\ &= (12 + (-9))^2 \div 9 \\ &= 3^2 \div 9 \\ &= 9 \div 9 \\ &= 1 \end{aligned}$$

$$\begin{aligned} & 3^3 \div (-3) \times (2 - 9 + 5) \\ &= 3^3 \div (-3) \times ((-7) + 5) \\ &= 3^3 \div (-3) \times (-2) \\ &= 27 \div (-3) \times (-2) \\ &= (-9) \times (-2) \\ &= 18 \end{aligned}$$

$$\begin{aligned} & ((-8)^2 - (-6) \times (4 + 2)) \div 5 \\ &= ((-8)^2 - (-6) \times 6) \div 5 \\ &= (64 - (-6) \times 6) \div 5 \\ &= (64 - (-36)) \div 5 \\ &= 100 \div 5 \\ &= 20 \end{aligned}$$

$$\begin{aligned} & ((10 - 7)^2 \times (-8)) \div 9 + 8 \\ &= (3^2 \times (-8)) \div 9 + 8 \\ &= (9 \times (-8)) \div 9 + 8 \\ &= (-72) \div 9 + 8 \\ &= (-8) + 8 \\ &= 0 \end{aligned}$$