

Orden de Operaciones (A)

Nombre: _____

Fecha: _____

Resuelva cada expresión usando el orden correcto para las operaciones.

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

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

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

$$2 \times (((-8) - (-7))^2 \div (3 + (-2))^3)$$

$$(10 \div ((-7) - (-8))) \times (-10) + 8^2 + (-5)$$

$$(((-6) + 10)^3 \div (9 - (-7))) \times 7 - (-4)$$

Orden de Operaciones (A)

Nombre: _____

Fecha: _____

Resuelva cada expresión usando el orden correcto para las operaciones.

$$\begin{aligned} & \left(8 \div \left(\underline{(-5) + (-3)} \right) \right)^2 \times (2 - (-4) - 4) \\ &= \left(\underline{8 \div (-8)} \right)^2 \times (2 - (-4) - 4) \\ &= (-1)^2 \times \left(\underline{2 - (-4)} - 4 \right) \\ &= (-1)^2 \times \underline{(6 - 4)} \\ &= \underline{(-1)^2} \times 2 \\ &= \underline{1 \times 2} \\ &= 2 \end{aligned}$$

$$\begin{aligned} & 3 - 8 + 4 \times \left((-4) \div \left(\underline{(-6) + 10} \right) \right)^3 \\ &= 3 - 8 + 4 \times \left(\underline{(-4) \div 4} \right)^3 \\ &= 3 - 8 + 4 \times \underline{(-1)^3} \\ &= 3 - 8 + \underline{4 \times (-1)} \\ &= \underline{3 - 8} + (-4) \\ &= \underline{(-5) + (-4)} \\ &= -9 \end{aligned}$$

$$\begin{aligned} & \left(3 \div \left(\underline{6 - 5} \right)^3 \right) \times (-3) + 2^2 \\ &= \left(3 \div \underline{1^3} \right) \times (-3) + 2^2 \\ &= \underline{3 \div 1} \times (-3) + 2^2 \\ &= 3 \times (-3) + \underline{2^2} \\ &= \underline{3 \times (-3)} + 4 \\ &= \underline{(-9) + 4} \\ &= -5 \end{aligned}$$

$$\begin{aligned} & 2 \times \left(\left(\underline{(-8) - (-7)} \right)^2 \div (3 + (-2))^3 \right) \\ &= 2 \times \left((-1)^2 \div \left(\underline{3 + (-2)} \right)^3 \right) \\ &= 2 \times \left(\underline{(-1)^2} \div 1^3 \right) \\ &= 2 \times (1 \div \underline{1^3}) \\ &= 2 \times \underline{(1 \div 1)} \\ &= \underline{2 \times 1} \\ &= 2 \end{aligned}$$

$$\begin{aligned} & \left(10 \div \left(\underline{(-7) - (-8)} \right) \right) \times (-10) + 8^2 + (-5) \\ &= \underline{10 \div 1} \times (-10) + 8^2 + (-5) \\ &= 10 \times (-10) + \underline{8^2} + (-5) \\ &= \underline{10 \times (-10)} + 64 + (-5) \\ &= \underline{(-100) + 64} + (-5) \\ &= \underline{(-36) + (-5)} \\ &= -41 \end{aligned}$$

$$\begin{aligned} & \left(\left(\underline{(-6) + 10} \right)^3 \div (9 - (-7)) \right) \times 7 - (-4) \\ &= \left(4^3 \div \left(\underline{9 - (-7)} \right) \right) \times 7 - (-4) \\ &= \left(\underline{4^3} \div 16 \right) \times 7 - (-4) \\ &= \underline{(64 \div 16)} \times 7 - (-4) \\ &= \underline{4 \times 7} - (-4) \\ &= \underline{28 - (-4)} \\ &= 32 \end{aligned}$$