

Orden de Operaciones (E)

Nombre: _____

Fecha: _____

Resuelva cada expresión usando el orden correcto para las operaciones.

$$(-8) \times \left((-2)^3 + 9 - (-10) \right) \div 8$$

$$\left((-2) \div (8 - 10 + 3) \right)^2 \times (-9)$$

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

$$(-8) + 9 \times \left(10 - (-4)^2 \div 2 \right)$$

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

$$\left((-4) \div 2^2 - 4 + 8 \right) \times (-9)$$

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Resuelva cada expresión usando el orden correcto para las operaciones.

$$\begin{aligned} & (-8) \times \left(\underline{(-2)^3} + 9 - (-10) \right) \div 8 \\ & = (-8) \times \left(\underline{(-8) + 9} - (-10) \right) \div 8 \\ & = (-8) \times \left(\underline{1 - (-10)} \right) \div 8 \\ & = \underline{(-8) \times 11} \div 8 \\ & = \underline{(-88) \div 8} \\ & = -11 \end{aligned}$$

$$\begin{aligned} & ((-2) \div \underline{(8 - 10 + 3)})^2 \times (-9) \\ & = \left((-2) \div \underline{((-2) + 3)} \right)^2 \times (-9) \\ & = \left(\underline{(-2) \div 1} \right)^2 \times (-9) \\ & = \underline{(-2)^2} \times (-9) \\ & = \underline{4 \times (-9)} \\ & = -36 \end{aligned}$$

$$\begin{aligned} & (-2) - 4^2 \div (-4) \times \left(\underline{(-5) + 2} \right) \\ & = (-2) - \underline{4^2} \div (-4) \times (-3) \\ & = (-2) - \underline{16 \div (-4)} \times (-3) \\ & = (-2) - \underline{(-4) \times (-3)} \\ & = \underline{(-2) - 12} \\ & = -14 \end{aligned}$$

$$\begin{aligned} & (-8) + 9 \times \left(10 - \underline{(-4)^2} \div 2 \right) \\ & = (-8) + 9 \times \left(10 - \underline{16 \div 2} \right) \\ & = (-8) + 9 \times \underline{(10 - 8)} \\ & = (-8) + \underline{9 \times 2} \\ & = \underline{(-8) + 18} \\ & = 10 \end{aligned}$$

$$\begin{aligned} & ((-7) - 7 + 8 \div \underline{2^2}) \times 3 \\ & = ((-7) - 7 + \underline{8 \div 4}) \times 3 \\ & = \left(\underline{(-7) - 7} + 2 \right) \times 3 \\ & = \left(\underline{(-14) + 2} \right) \times 3 \\ & = \underline{(-12) \times 3} \\ & = -36 \end{aligned}$$

$$\begin{aligned} & ((-4) \div \underline{2^2} - 4 + 8) \times (-9) \\ & = \left(\underline{(-4) \div 4} - 4 + 8 \right) \times (-9) \\ & = \left(\underline{(-1) - 4} + 8 \right) \times (-9) \\ & = \left(\underline{(-5) + 8} \right) \times (-9) \\ & = \underline{3 \times (-9)} \\ & = -27 \end{aligned}$$