

Orden de Operaciones (I)

Nombre: _____

Fecha: _____

Resuelva cada expresión usando el orden correcto para las operaciones.

$$5 \div (6 \times 2 + (-4) - 9)^3$$

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

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

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

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

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

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Resuelva cada expresión usando el orden correcto para las operaciones.

$$\begin{aligned} & 5 \div (6 \times 2 + (-4) - 9)^3 \\ & = 5 \div (12 + (-4) - 9)^3 \\ & = 5 \div (8 - 9)^3 \\ & = 5 \div (-1)^3 \\ & = \underline{5 \div (-1)} \\ & = -5 \end{aligned}$$

$$\begin{aligned} & ((-8) \times ((-4) - (-5) + (-9))) \div 8^2 \\ & = ((-8) \times (1 + (-9))) \div 8^2 \\ & = ((-8) \times (-8)) \div 8^2 \\ & = 64 \div \underline{8^2} \\ & = \underline{64 \div 64} \\ & = 1 \end{aligned}$$

$$\begin{aligned} & (8 + (-8)) \div ((-4)^2 - (-5) \times 7) \\ & = 0 \div ((-4)^2 - (-5) \times 7) \\ & = 0 \div (16 - (-5) \times 7) \\ & = 0 \div (16 - (-35)) \\ & = \underline{0 \div 51} \\ & = 0 \end{aligned}$$

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

$$\begin{aligned} & ((-10) + 4^2 \div 2 - 3) \times 8 \\ & = ((-10) + 16 \div 2 - 3) \times 8 \\ & = ((-10) + 8 - 3) \times 8 \\ & = ((-2) - 3) \times 8 \\ & = \underline{(-5) \times 8} \\ & = -40 \end{aligned}$$

$$\begin{aligned} & (3 \times 2^3) \div 6 - (-2) + 4 \\ & = (3 \times 8) \div 6 - (-2) + 4 \\ & = \underline{24 \div 6} - (-2) + 4 \\ & = \underline{4 - (-2)} + 4 \\ & = \underline{6 + 4} \\ & = 10 \end{aligned}$$