

Orden de Operaciones (I)

Nombre: _____

Fecha: _____

Resuelva cada expresión usando el orden correcto para las operaciones.

$$(-3) \times (7 - 2 + (-2)^2) \div ((-5) + 4)$$

$$(6^2 \div ((-7) - (-5) + 4)^2) \times 9$$

$$((7 - 5) \times 3^2) \div 2 + 4 + (-8)$$

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

$$(-8) + 4 \div ((9 - 10) \times ((-10) \div 5)^2)$$

$$(6 + (-5)) \div (8 - 7) \times (-3) + (-9)^2$$

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Resuelva cada expresión usando el orden correcto para las operaciones.

$$\begin{aligned} & (-3) \times (7 - 2 + (-2)^2) \div ((-5) + 4) \\ &= (-3) \times (7 - 2 + 4) \div ((-5) + 4) \\ &= (-3) \times (5 + 4) \div ((-5) + 4) \\ &= (-3) \times 9 \div ((-5) + 4) \\ &= (-3) \times 9 \div (-1) \\ &= (-27) \div (-1) \\ &= 27 \end{aligned}$$

$$\begin{aligned} & (6^2 \div ((-7) - (-5) + 4)^2) \times 9 \\ &= (6^2 \div ((-2) + 4)^2) \times 9 \\ &= (6^2 \div 2^2) \times 9 \\ &= (36 \div 2^2) \times 9 \\ &= (36 \div 4) \times 9 \\ &= 9 \times 9 \\ &= 81 \end{aligned}$$

$$\begin{aligned} & ((7 - 5) \times 3^2) \div 2 + 4 + (-8) \\ &= (2 \times 3^2) \div 2 + 4 + (-8) \\ &= (2 \times 9) \div 2 + 4 + (-8) \\ &= 18 \div 2 + 4 + (-8) \\ &= 9 + 4 + (-8) \\ &= 13 + (-8) \\ &= 5 \end{aligned}$$

$$\begin{aligned} & ((-2) \div 2) \times (3^2 + 8 - 10)^2 \\ &= (-1) \times (3^2 + 8 - 10)^2 \\ &= (-1) \times (9 + 8 - 10)^2 \\ &= (-1) \times (17 - 10)^2 \\ &= (-1) \times 7^2 \\ &= (-1) \times 49 \\ &= -49 \end{aligned}$$

$$\begin{aligned} & (-8) + 4 \div ((9 - 10) \times ((-10) \div 5)^2) \\ &= (-8) + 4 \div ((-1) \times ((-10) \div 5)^2) \\ &= (-8) + 4 \div ((-1) \times (-2)^2) \\ &= (-8) + 4 \div ((-1) \times 4) \\ &= (-8) + 4 \div (-4) \\ &= (-8) + (-1) \\ &= -9 \end{aligned}$$

$$\begin{aligned} & (6 + (-5)) \div (8 - 7) \times (-3) + (-9)^2 \\ &= 1 \div (8 - 7) \times (-3) + (-9)^2 \\ &= 1 \div 1 \times (-3) + (-9)^2 \\ &= 1 \div 1 \times (-3) + 81 \\ &= 1 \times (-3) + 81 \\ &= (-3) + 81 \\ &= 78 \end{aligned}$$