

Orden de Operaciones (J)

Nombre: _____

Fecha: _____

Resuelva cada expresión usando el orden correcto para las operaciones.

$$(-5) \times (-7) + (-10)^2 \div (8 - 3)$$

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

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

$$(3 - 6^2 \div 4 + 10) \times 9$$

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

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

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$$\begin{aligned} & (-5) \times (-7) + (-10)^2 \div (8 - 3) \\ &= (-5) \times (-7) + \underline{(-10)^2} \div 5 \\ &= \underline{(-5) \times (-7)} + 100 \div 5 \\ &= 35 + \underline{100 \div 5} \\ &= \underline{35 + 20} \\ &= 55 \end{aligned}$$

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

$$\begin{aligned} & (-3) + (-8) \times (-7) \div (5 - 4)^3 \\ &= (-3) + (-8) \times (-7) \div \underline{1^3} \\ &= (-3) + \underline{(-8) \times (-7)} \div 1 \\ &= (-3) + \underline{56 \div 1} \\ &= \underline{(-3) + 56} \\ &= 53 \end{aligned}$$

$$\begin{aligned} & (3 - 6^2 \div 4 + 10) \times 9 \\ &= (3 - \underline{36 \div 4} + 10) \times 9 \\ &= \underline{(3 - 9 + 10)} \times 9 \\ &= \underline{((-6) + 10)} \times 9 \\ &= \underline{4 \times 9} \\ &= 36 \end{aligned}$$

$$\begin{aligned} & \underline{((-5) + 2)} \div (-3) \times (-6)^2 - 8 \\ &= (-3) \div (-3) \times \underline{(-6)^2} - 8 \\ &= \underline{(-3) \div (-3)} \times 36 - 8 \\ &= \underline{1 \times 36} - 8 \\ &= \underline{36 - 8} \\ &= 28 \end{aligned}$$

$$\begin{aligned} & \underline{((-7) - (-10) \div 2 + 3)}^2 \times (-6) \\ &= \underline{((-7) - (-5) + 3)}^2 \times (-6) \\ &= \underline{((-2) + 3)}^2 \times (-6) \\ &= \underline{1^2} \times (-6) \\ &= \underline{1 \times (-6)} \\ &= -6 \end{aligned}$$