

# Orden de Operaciones (D)

Nombre: \_\_\_\_\_

Fecha: \_\_\_\_\_

Resuelva cada expresión usando el orden correcto para las operaciones.

$$(-10) \div (3^2 - (-3) + (-7)) \times (-9)$$

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

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

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

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

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

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$$\begin{aligned} & (-10) \div (3^2 - (-3) + (-7)) \times (-9) \\ &= (-10) \div (\underline{9 - (-3)} + (-7)) \times (-9) \\ &= (-10) \div (\underline{12 + (-7)}) \times (-9) \\ &= \underline{(-10) \div 5} \times (-9) \\ &= \underline{(-2) \times (-9)} \\ &= 18 \end{aligned}$$

$$\begin{aligned} & (\underline{(-5) \times (-2)}) \div (4 + (-3) - 2)^3 \\ &= 10 \div (\underline{4 + (-3)} - 2)^3 \\ &= 10 \div (\underline{1 - 2})^3 \\ &= 10 \div \underline{(-1)^3} \\ &= \underline{10 \div (-1)} \\ &= -10 \end{aligned}$$

$$\begin{aligned} & (\underline{((-5) - (-9))} \times (-2) + 8)^3 \div 9 \\ &= (\underline{4 \times (-2)} + 8)^3 \div 9 \\ &= (\underline{(-8) + 8})^3 \div 9 \\ &= \underline{0^3} \div 9 \\ &= \underline{0 \div 9} \\ &= 0 \end{aligned}$$

$$\begin{aligned} & (\underline{3 - 6} + 9)^2 \div (-4) \times 10 \\ &= (\underline{(-3) + 9})^2 \div (-4) \times 10 \\ &= \underline{6^2} \div (-4) \times 10 \\ &= \underline{36 \div (-4)} \times 10 \\ &= \underline{(-9) \times 10} \\ &= -90 \end{aligned}$$

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

$$\begin{aligned} & 10 \div (-2) \times (\underline{3 - 5} + 6)^2 \\ &= 10 \div (-2) \times (\underline{(-2) + 6})^2 \\ &= 10 \div (-2) \times \underline{4^2} \\ &= \underline{10 \div (-2)} \times 16 \\ &= \underline{(-5) \times 16} \\ &= -80 \end{aligned}$$