

Orden de Operaciones (B)

Nombre: _____

Fecha: _____

Resuelva cada expresión usando el orden correcto para las operaciones.

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

$$6 \times (((-10) - (-7))^2 \div (9 + (-6)))^2$$

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

$$((-7)^2 \div (3 - (-4))^2) \times (7 + (-6))$$

$$((-9) + (-4) - (-10)) \times ((-5) \div (2 - (-3)))^3 \quad (8 \div ((-8) + 7)^3) \times ((-10) - (-2) + 5)$$

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Resuelva cada expresión usando el orden correcto para las operaciones.

$$\begin{aligned} & 5 \times (10 + (-5) - \underline{(-4)^2}) \div (4 - 9) \\ &= 5 \times (\underline{10 + (-5)} - 16) \div (4 - 9) \\ &= 5 \times (\underline{5 - 16}) \div (4 - 9) \\ &= 5 \times (-11) \div (\underline{4 - 9}) \\ &= \underline{5 \times (-11)} \div (-5) \\ &= \underline{(-55)} \div (-5) \\ &= \underline{11} \end{aligned}$$

$$\begin{aligned} & 6 \times \left(\left(\underline{(-10) - (-7)} \right)^2 \div (9 + (-6)) \right)^2 \\ &= 6 \times \left((-3)^2 \div (\underline{9 + (-6)}) \right)^2 \\ &= 6 \times \left(\underline{(-3)^2} \div 3 \right)^2 \\ &= 6 \times (\underline{9 \div 3})^2 \\ &= 6 \times \underline{3^2} \\ &= \underline{6 \times 9} \\ &= \underline{54} \end{aligned}$$

$$\begin{aligned} & (3 - \underline{(-10)^2} + (-3)) \times ((-6) \div 6)^2 \\ &= (\underline{3 - 100} + (-3)) \times ((-6) \div 6)^2 \\ &= (\underline{(-97) + (-3)}) \times ((-6) \div 6)^2 \\ &= (-100) \times (\underline{(-6) \div 6})^2 \\ &= (-100) \times (\underline{-1})^2 \\ &= \underline{(-100) \times 1} \\ &= \underline{-100} \end{aligned}$$

$$\begin{aligned} & \left((-7)^2 \div (\underline{3 - (-4)})^2 \right) \times (7 + (-6)) \\ &= \left(\underline{(-7)^2} \div 7^2 \right) \times (7 + (-6)) \\ &= (49 \div \underline{7^2}) \times (7 + (-6)) \\ &= (\underline{49 \div 49}) \times (7 + (-6)) \\ &= 1 \times (\underline{7 + (-6)}) \\ &= \underline{1 \times 1} \\ &= \underline{1} \end{aligned}$$

$$\begin{aligned} & \left(\underline{(-9) + (-4)} - (-10) \right) \times ((-5) \div (2 - (-3)))^3 \left(8 \div (\underline{(-8) + 7})^3 \right) \times ((-10) - (-2) + 5) \\ &= (\underline{(-13) - (-10)}) \times ((-5) \div (2 - (-3)))^3 = \left(8 \div (\underline{-1})^3 \right) \times ((-10) - (-2) + 5) \\ &= (-3) \times ((-5) \div (\underline{2 - (-3)}))^3 = \left(\underline{8 \div (-1)} \right) \times ((-10) - (-2) + 5) \\ &= (-3) \times (\underline{(-5) \div 5})^3 = (-8) \times (\underline{(-10) - (-2) + 5}) \\ &= (-3) \times (\underline{-1})^3 = (-8) \times (\underline{(-8) + 5}) \\ &= \underline{(-3) \times (-1)} = \underline{(-8) \times (-3)} \\ &= \underline{3} = \underline{24} \end{aligned}$$