

Orden de Operaciones con Decimales (E)

Nombre: _____

Fecha: _____

Resuelva cada expresión usando el orden de operaciones correcto.

$$((-8.1) + 9.5) \times ((-3.6) \div (1.2)^2 - 5.6)$$

$$8.3 + (-1.1) \div (-2.2) \times ((-3.1) - 6.3)^2$$

$$((-6.1)^2 + 9.2) \div 0.5 - 0.2 \times 9.1$$

$$4.4 + 8.2 \times ((-2.6)^2 \div 1.3 - (-5.7))$$

$$((-5.2) \div (-0.4)) \times 2.3 + 2.7 - (-0.9)^2$$

$$((-9.8) - (-7.8) + 8.6)^2 \div (1.1 \times 4.5)$$

Orden de Operaciones con Decimales (E) Respuestas

Nombre: _____

Fecha: _____

Resuelva cada expresión usando el orden de operaciones correcto.

$$\begin{aligned} & \left(\underline{(-8.1) + 9.5} \right) \times \left((-3.6) \div (1.2)^2 - 5.6 \right) \\ &= 1.4 \times \left((-3.6) \div \underline{(1.2)^2} - 5.6 \right) \\ &= 1.4 \times \left(\underline{(-3.6) \div 1.44} - 5.6 \right) \\ &= 1.4 \times \left(\underline{(-2.5) - 5.6} \right) \\ &= \underline{1.4 \times (-8.1)} \\ &= -11.34 \end{aligned}$$

$$\begin{aligned} & 8.3 + (-1.1) \div (-2.2) \times \left(\underline{(-3.1) - 6.3} \right)^2 \\ &= 8.3 + (-1.1) \div (-2.2) \times \underline{(-9.4)^2} \\ &= 8.3 + \underline{(-1.1) \div (-2.2)} \times 88.36 \\ &= 8.3 + \underline{0.5 \times 88.36} \\ &= \underline{8.3 + 44.18} \\ &= 52.48 \end{aligned}$$

$$\begin{aligned} & \left(\underline{(-6.1)^2} + 9.2 \right) \div 0.5 - 0.2 \times 9.1 \\ &= \underline{(37.21 + 9.2)} \div 0.5 - 0.2 \times 9.1 \\ &= \underline{46.41 \div 0.5} - 0.2 \times 9.1 \\ &= 92.82 - \underline{0.2 \times 9.1} \\ &= \underline{92.82 - 1.82} \\ &= 91 \end{aligned}$$

$$\begin{aligned} & 4.4 + 8.2 \times \left(\underline{(-2.6)^2} \div 1.3 - (-5.7) \right) \\ &= 4.4 + 8.2 \times \left(\underline{6.76 \div 1.3} - (-5.7) \right) \\ &= 4.4 + 8.2 \times \left(\underline{5.2 - (-5.7)} \right) \\ &= 4.4 + \underline{8.2 \times 10.9} \\ &= \underline{4.4 + 89.38} \\ &= 93.78 \end{aligned}$$

$$\begin{aligned} & \left(\underline{(-5.2) \div (-0.4)} \right) \times 2.3 + 2.7 - (-0.9)^2 \\ &= 13 \times 2.3 + 2.7 - \underline{(-0.9)^2} \\ &= \underline{13 \times 2.3} + 2.7 - 0.81 \\ &= \underline{29.9 + 2.7} - 0.81 \\ &= \underline{32.6 - 0.81} \\ &= 31.79 \end{aligned}$$

$$\begin{aligned} & \left(\underline{(-9.8) - (-7.8)} + 8.6 \right)^2 \div (1.1 \times 4.5) \\ &= \left(\underline{(-2) + 8.6} \right)^2 \div (1.1 \times 4.5) \\ &= (6.6)^2 \div \underline{(1.1 \times 4.5)} \\ &= \underline{(6.6)^2} \div 4.95 \\ &= \underline{43.56 \div 4.95} \\ &= 8.8 \end{aligned}$$