

Orden de Operaciones con Decimales (J)

Nombre: _____

Fecha: _____

Resuelva cada expresión usando el orden de operaciones correcto.

$$((0.25 + 3.8) \times 4.2) \div ((1.9)^2 - (1.6)^2)$$

$$(4.3)^2 + 3.6 \div 0.4 \times (8.7 - (2.5)^2)$$

$$(0.6 \div 0.2) \times (3.5)^2 - 1.5 + (2.6)^2$$

$$((3.5)^2 \times 4.6) \div 2.5 + (8.2)^2 - 1.1$$

$$6.2 + 4.6 \times (2.5)^2 \div (3.3 - 2.3)^2$$

$$3.5 \times (5.4 + 2.5 - 4.9)^2 \div (3.1 + 3.2)$$

Orden de Operaciones con Decimales (J) Respuestas

Nombre: _____

Fecha: _____

Resuelva cada expresión usando el orden de operaciones correcto.

$$\begin{aligned} & ((\underline{0.25 + 3.8}) \times 4.2) \div ((1.9)^2 - (1.6)^2) \\ &= (\underline{4.05 \times 4.2}) \div ((1.9)^2 - (1.6)^2) \\ &= 17.01 \div ((\underline{1.9})^2 - (1.6)^2) \\ &= 17.01 \div (3.61 - (\underline{1.6})^2) \\ &= 17.01 \div (\underline{3.61 - 2.56}) \\ &= \underline{17.01 \div 1.05} \\ &= \underline{16.2} \end{aligned}$$

$$\begin{aligned} & (4.3)^2 + 3.6 \div 0.4 \times (8.7 - (\underline{2.5})^2) \\ &= (4.3)^2 + 3.6 \div 0.4 \times (\underline{8.7 - 6.25}) \\ &= (\underline{4.3})^2 + 3.6 \div 0.4 \times 2.45 \\ &= 18.49 + \underline{3.6 \div 0.4} \times 2.45 \\ &= 18.49 + \underline{9 \times 2.45} \\ &= \underline{18.49 + 22.05} \\ &= \underline{40.54} \end{aligned}$$

$$\begin{aligned} & (\underline{0.6 \div 0.2}) \times (3.5)^2 - 1.5 + (2.6)^2 \\ &= 3 \times (\underline{3.5})^2 - 1.5 + (2.6)^2 \\ &= 3 \times 12.25 - 1.5 + (\underline{2.6})^2 \\ &= \underline{3 \times 12.25} - 1.5 + 6.76 \\ &= \underline{36.75 - 1.5} + 6.76 \\ &= \underline{35.25 + 6.76} \\ &= \underline{42.01} \end{aligned}$$

$$\begin{aligned} & ((\underline{3.5})^2 \times 4.6) \div 2.5 + (8.2)^2 - 1.1 \\ &= (\underline{12.25 \times 4.6}) \div 2.5 + (8.2)^2 - 1.1 \\ &= 56.35 \div 2.5 + (\underline{8.2})^2 - 1.1 \\ &= \underline{56.35 \div 2.5} + 67.24 - 1.1 \\ &= \underline{22.54 + 67.24} - 1.1 \\ &= \underline{89.78 - 1.1} \\ &= \underline{88.68} \end{aligned}$$

$$\begin{aligned} & 6.2 + 4.6 \times (2.5)^2 \div (\underline{3.3 - 2.3})^2 \\ &= 6.2 + 4.6 \times (\underline{2.5})^2 \div 1^2 \\ &= 6.2 + 4.6 \times 6.25 \div \underline{1^2} \\ &= 6.2 + \underline{4.6 \times 6.25} \div 1 \\ &= 6.2 + \underline{28.75 \div 1} \\ &= \underline{6.2 + 28.75} \\ &= \underline{34.95} \end{aligned}$$

$$\begin{aligned} & 3.5 \times (\underline{5.4 + 2.5} - 4.9)^2 \div (3.1 + 3.2) \\ &= 3.5 \times (\underline{7.9 - 4.9})^2 \div (3.1 + 3.2) \\ &= 3.5 \times 3^2 \div (\underline{3.1 + 3.2}) \\ &= 3.5 \times \underline{3^2} \div 6.3 \\ &= \underline{3.5 \times 9} \div 6.3 \\ &= \underline{31.5 \div 6.3} \\ &= \underline{5} \end{aligned}$$