

Order of Operations with Decimals (J)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$9.6 - 7.4 \times (-4.3)$$

$$(-4.1) - (2.6)^2$$

$$8.8 \times (1.25 - (-1.3))$$

$$(-2.2)^2 + 4.8$$

$$(2.8)^2 \times 8.5$$

$$((-7.2) + (-3.2)) \div 2.6$$

$$9.9 + 6.3 \times 7.5$$

$$(8.3)^2 - 3.7$$

$$(-7.1) \times (-7.8) + (-6.2)$$

$$5.5 \times (8.7 - (-6.7))$$

Order of Operations with Decimals (J) Answers

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$\begin{aligned} & 9.6 - \underline{7.4 \times (-4.3)} \\ & = \underline{9.6 - (-31.82)} \\ & = 41.42 \end{aligned}$$

$$\begin{aligned} & (-4.1) - \underline{(2.6)^2} \\ & = \underline{(-4.1) - 6.76} \\ & = -10.86 \end{aligned}$$

$$\begin{aligned} & 8.8 \times (\underline{1.25 - (-1.3)}) \\ & = \underline{8.8 \times 2.55} \\ & = 22.44 \end{aligned}$$

$$\begin{aligned} & \underline{(-2.2)^2} + 4.8 \\ & = \underline{4.84 + 4.8} \\ & = 9.64 \end{aligned}$$

$$\begin{aligned} & \underline{(2.8)^2} \times 8.5 \\ & = \underline{7.84 \times 8.5} \\ & = 66.64 \end{aligned}$$

$$\begin{aligned} & (\underline{(-7.2) + (-3.2)}) \div 2.6 \\ & = \underline{(-10.4) \div 2.6} \\ & = -4 \end{aligned}$$

$$\begin{aligned} & 9.9 + \underline{6.3 \times 7.5} \\ & = \underline{9.9 + 47.25} \\ & = 57.15 \end{aligned}$$

$$\begin{aligned} & \underline{(8.3)^2} - 3.7 \\ & = \underline{68.89 - 3.7} \\ & = 65.19 \end{aligned}$$

$$\begin{aligned} & \underline{(-7.1) \times (-7.8)} + (-6.2) \\ & = \underline{55.38 + (-6.2)} \\ & = 49.18 \end{aligned}$$

$$\begin{aligned} & 5.5 \times (\underline{8.7 - (-6.7)}) \\ & = \underline{5.5 \times 15.4} \\ & = 84.7 \end{aligned}$$