

Order of Operations with Decimals (F)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$8.7 + (4.7)^2$$

$$(8.5)^2 + 6.2$$

$$2.6 \times (3.6 + 1.1)$$

$$2.5 \times (2.8)^2$$

$$(2.5)^2 - 4.5$$

$$4.5 \times 8.8 - 8.9$$

$$(8.5)^2 + 2.9$$

$$(4.5)^2 - 2.2$$

$$6.3 \times (2.2 + 6.8)$$

$$2.8 \times (6.3 + 8.5)$$

Order of Operations with Decimals (F) Answers

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$\begin{aligned} &8.7 + \underline{(4.7)^2} \\ &= \underline{8.7 + 22.09} \\ &= 30.79 \end{aligned}$$

$$\begin{aligned} &\underline{(8.5)^2} + 6.2 \\ &= \underline{72.25 + 6.2} \\ &= 78.45 \end{aligned}$$

$$\begin{aligned} &2.6 \times \underline{(3.6 + 1.1)} \\ &= \underline{2.6 \times 4.7} \\ &= 12.22 \end{aligned}$$

$$\begin{aligned} &2.5 \times \underline{(2.8)^2} \\ &= \underline{2.5 \times 7.84} \\ &= 19.6 \end{aligned}$$

$$\begin{aligned} &\underline{(2.5)^2} - 4.5 \\ &= \underline{6.25 - 4.5} \\ &= 1.75 \end{aligned}$$

$$\begin{aligned} &\underline{4.5 \times 8.8} - 8.9 \\ &= \underline{39.6 - 8.9} \\ &= 30.7 \end{aligned}$$

$$\begin{aligned} &\underline{(8.5)^2} + 2.9 \\ &= \underline{72.25 + 2.9} \\ &= 75.15 \end{aligned}$$

$$\begin{aligned} &\underline{(4.5)^2} - 2.2 \\ &= \underline{20.25 - 2.2} \\ &= 18.05 \end{aligned}$$

$$\begin{aligned} &6.3 \times \underline{(2.2 + 6.8)} \\ &= \underline{6.3 \times 9} \\ &= 56.7 \end{aligned}$$

$$\begin{aligned} &2.8 \times \underline{(6.3 + 8.5)} \\ &= \underline{2.8 \times 14.8} \\ &= 41.44 \end{aligned}$$