

Order of Operations with Decimals (F)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$9.3 \times 1.3 - (1.6)^2$$

$$2.5 \times 2.7 + (2.4)^2$$

$$9.6 \times 4.5 + (3.4)^2$$

$$(9.1 - (1.6)^2) \times 3.5$$

$$8.4 \times 8.5 - (2.2)^2$$

$$(5.9)^2 - 2.4 \times 4.7$$

$$8.5 \times (1.6)^2 + 2.4$$

$$(6.5)^2 + 4.6 \times 3.7$$

$$7.2 \times 3.8 - (3.7)^2$$

$$7.1 \times 1.9 + (3.7)^2$$

Order of Operations with Decimals (F) Answers

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$\begin{aligned} & 9.3 \times 1.3 - \underline{(1.6)^2} \\ & = \underline{9.3 \times 1.3} - 2.56 \\ & = \underline{12.09 - 2.56} \\ & = 9.53 \end{aligned}$$

$$\begin{aligned} & 2.5 \times 2.7 + \underline{(2.4)^2} \\ & = \underline{2.5 \times 2.7} + 5.76 \\ & = \underline{6.75 + 5.76} \\ & = 12.51 \end{aligned}$$

$$\begin{aligned} & 9.6 \times 4.5 + \underline{(3.4)^2} \\ & = \underline{9.6 \times 4.5} + 11.56 \\ & = \underline{43.2 + 11.56} \\ & = 54.76 \end{aligned}$$

$$\begin{aligned} & (9.1 - \underline{(1.6)^2}) \times 3.5 \\ & = (\underline{9.1 - 2.56}) \times 3.5 \\ & = \underline{6.54 \times 3.5} \\ & = 22.89 \end{aligned}$$

$$\begin{aligned} & 8.4 \times 8.5 - \underline{(2.2)^2} \\ & = \underline{8.4 \times 8.5} - 4.84 \\ & = \underline{71.4 - 4.84} \\ & = 66.56 \end{aligned}$$

$$\begin{aligned} & \underline{(5.9)^2} - 2.4 \times 4.7 \\ & = 34.81 - \underline{2.4 \times 4.7} \\ & = \underline{34.81 - 11.28} \\ & = 23.53 \end{aligned}$$

$$\begin{aligned} & 8.5 \times \underline{(1.6)^2} + 2.4 \\ & = \underline{8.5 \times 2.56} + 2.4 \\ & = \underline{21.76 + 2.4} \\ & = 24.16 \end{aligned}$$

$$\begin{aligned} & \underline{(6.5)^2} + 4.6 \times 3.7 \\ & = 42.25 + \underline{4.6 \times 3.7} \\ & = \underline{42.25 + 17.02} \\ & = 59.27 \end{aligned}$$

$$\begin{aligned} & 7.2 \times 3.8 - \underline{(3.7)^2} \\ & = \underline{7.2 \times 3.8} - 13.69 \\ & = \underline{27.36 - 13.69} \\ & = 13.67 \end{aligned}$$

$$\begin{aligned} & 7.1 \times 1.9 + \underline{(3.7)^2} \\ & = \underline{7.1 \times 1.9} + 13.69 \\ & = \underline{13.49 + 13.69} \\ & = 27.18 \end{aligned}$$