

Order of Operations with Decimals (H)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$2.5 + 3.2 \times 4.6$$

$$(7.5)^2 + 7.9$$

$$(4.9 + 6.3) \times 4.2$$

$$6.9 \times (7.5 + 1.8)$$

$$(5.8)^2 - 7.9$$

$$1.4 \times 3.4 - 2.5$$

$$(9.4)^2 + 1.6$$

$$6.9 + 9.4 \times 2.8$$

$$3.75 + 2.1 \times 4.8$$

$$(6.6)^2 \div 3.3$$

Order of Operations with Decimals (H) Answers

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Simplify each expression using the correct order of operations.

$$\begin{aligned} &2.5 + \underline{3.2 \times 4.6} \\ &= \underline{2.5 + 14.72} \\ &= 17.22 \end{aligned}$$

$$\begin{aligned} &\underline{(7.5)^2} + 7.9 \\ &= \underline{56.25 + 7.9} \\ &= 64.15 \end{aligned}$$

$$\begin{aligned} &\underline{(4.9 + 6.3)} \times 4.2 \\ &= \underline{11.2 \times 4.2} \\ &= 47.04 \end{aligned}$$

$$\begin{aligned} &6.9 \times \underline{(7.5 + 1.8)} \\ &= \underline{6.9 \times 9.3} \\ &= 64.17 \end{aligned}$$

$$\begin{aligned} &\underline{(5.8)^2} - 7.9 \\ &= \underline{33.64 - 7.9} \\ &= 25.74 \end{aligned}$$

$$\begin{aligned} &\underline{1.4 \times 3.4} - 2.5 \\ &= \underline{4.76 - 2.5} \\ &= 2.26 \end{aligned}$$

$$\begin{aligned} &\underline{(9.4)^2} + 1.6 \\ &= \underline{88.36 + 1.6} \\ &= 89.96 \end{aligned}$$

$$\begin{aligned} &6.9 + \underline{9.4 \times 2.8} \\ &= \underline{6.9 + 26.32} \\ &= 33.22 \end{aligned}$$

$$\begin{aligned} &3.75 + \underline{2.1 \times 4.8} \\ &= \underline{3.75 + 10.08} \\ &= 13.83 \end{aligned}$$

$$\begin{aligned} &\underline{(6.6)^2} \div 3.3 \\ &= \underline{43.56 \div 3.3} \\ &= 13.2 \end{aligned}$$