

Order of Operations with Decimals (H)

Name: _____

Date: _____

Solve each expression using the correct order of operations.

$$(1.5)^2 + 7.8 \times 2.6$$

$$4.6 \times (4.5)^2 - 2.4$$

$$2.5 \times 1.6 + (7.5)^2$$

$$(6.9)^2 \div (9.3 - 7.8)$$

$$(8.6)^2 - 2.5 \times 6.5$$

$$1.4 \times (7.1 - 1.6)^2$$

$$(1.4 - 1.4)^2 \times 5.2$$

$$(7.9)^2 - 2.3 \times 4.6$$

$$(5.9)^2 + 1.6 \times 5.5$$

$$(3.4)^2 + 1.5 \times 5.3$$

Order of Operations with Decimals (H) Answers

Name: _____

Date: _____

Solve each expression using the correct order of operations.

$$\begin{aligned} & \underline{(1.5)^2} + 7.8 \times 2.6 \\ & = 2.25 + \underline{7.8 \times 2.6} \\ & = \underline{2.25 + 20.28} \\ & = 22.53 \end{aligned}$$

$$\begin{aligned} & 4.6 \times \underline{(4.5)^2} - 2.4 \\ & = \underline{4.6 \times 20.25} - 2.4 \\ & = \underline{93.15 - 2.4} \\ & = 90.75 \end{aligned}$$

$$\begin{aligned} & 2.5 \times 1.6 + \underline{(7.5)^2} \\ & = \underline{2.5 \times 1.6} + 56.25 \\ & = \underline{4 + 56.25} \\ & = 60.25 \end{aligned}$$

$$\begin{aligned} & (6.9)^2 \div \underline{(9.3 - 7.8)} \\ & = \underline{(6.9)^2} \div 1.5 \\ & = \underline{47.61 \div 1.5} \\ & = 31.74 \end{aligned}$$

$$\begin{aligned} & \underline{(8.6)^2} - 2.5 \times 6.5 \\ & = 73.96 - \underline{2.5 \times 6.5} \\ & = \underline{73.96 - 16.25} \\ & = 57.71 \end{aligned}$$

$$\begin{aligned} & 1.4 \times \underline{(7.1 - 1.6)^2} \\ & = 1.4 \times \underline{(5.5)^2} \\ & = \underline{1.4 \times 30.25} \\ & = 42.35 \end{aligned}$$

$$\begin{aligned} & \underline{(1.4 - 1.4)^2} \times 5.2 \\ & = \underline{0^2} \times 5.2 \\ & = \underline{0 \times 5.2} \\ & = 0 \end{aligned}$$

$$\begin{aligned} & \underline{(7.9)^2} - 2.3 \times 4.6 \\ & = 62.41 - \underline{2.3 \times 4.6} \\ & = \underline{62.41 - 10.58} \\ & = 51.83 \end{aligned}$$

$$\begin{aligned} & \underline{(5.9)^2} + 1.6 \times 5.5 \\ & = 34.81 + \underline{1.6 \times 5.5} \\ & = \underline{34.81 + 8.8} \\ & = 43.61 \end{aligned}$$

$$\begin{aligned} & \underline{(3.4)^2} + 1.5 \times 5.3 \\ & = 11.56 + \underline{1.5 \times 5.3} \\ & = \underline{11.56 + 7.95} \\ & = 19.51 \end{aligned}$$