

# Order of Operations with Decimals (H)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Simplify 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: \_\_\_\_\_

Simplify each expression using the correct order of operations.

$$\begin{aligned} & \underline{(1,5)^2} + 7,8 \times 2,6 \\ & = 2,25 + \underline{7,8 \times 2,6} \\ & = \underline{2,25 + 20,28} \\ & = 22,53 \end{aligned}$$

$$\begin{aligned} & 4,6 \times \underline{(4,5)^2} - 2,4 \\ & = \underline{4,6 \times 20,25} - 2,4 \\ & = \underline{93,15 - 2,4} \\ & = 90,75 \end{aligned}$$

$$\begin{aligned} & 2,5 \times 1,6 + \underline{(7,5)^2} \\ & = \underline{2,5 \times 1,6} + 56,25 \\ & = \underline{4 + 56,25} \\ & = 60,25 \end{aligned}$$

$$\begin{aligned} & (6,9)^2 \div \underline{(9,3 - 7,8)} \\ & = \underline{(6,9)^2} \div 1,5 \\ & = \underline{47,61 \div 1,5} \\ & = 31,74 \end{aligned}$$

$$\begin{aligned} & \underline{(8,6)^2} - 2,5 \times 6,5 \\ & = 73,96 - \underline{2,5 \times 6,5} \\ & = \underline{73,96 - 16,25} \\ & = 57,71 \end{aligned}$$

$$\begin{aligned} & 1,4 \times \underline{(7,1 - 1,6)^2} \\ & = 1,4 \times \underline{(5,5)^2} \\ & = \underline{1,4 \times 30,25} \\ & = 42,35 \end{aligned}$$

$$\begin{aligned} & \underline{(1,4 - 1,4)^2} \times 5,2 \\ & = \underline{0^2} \times 5,2 \\ & = \underline{0 \times 5,2} \\ & = 0 \end{aligned}$$

$$\begin{aligned} & \underline{(7,9)^2} - 2,3 \times 4,6 \\ & = 62,41 - \underline{2,3 \times 4,6} \\ & = \underline{62,41 - 10,58} \\ & = 51,83 \end{aligned}$$

$$\begin{aligned} & \underline{(5,9)^2} + 1,6 \times 5,5 \\ & = 34,81 + \underline{1,6 \times 5,5} \\ & = \underline{34,81 + 8,8} \\ & = 43,61 \end{aligned}$$

$$\begin{aligned} & \underline{(3,4)^2} + 1,5 \times 5,3 \\ & = 11,56 + \underline{1,5 \times 5,3} \\ & = \underline{11,56 + 7,95} \\ & = 19,51 \end{aligned}$$