

Order of Operations with Decimals (D)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$6,4 \times 9,7 + (2,8)^2$$

$$(7,8 + (5,6)^2) \div 4,4$$

$$6,8 \times (8,9 - 7,9)^3$$

$$(2,9)^2 + 1,3 \div 2,5$$

$$(8,8)^2 - 7,2 \div 4,5$$

$$1,7 \times 2,8 - (1,8)^2$$

$$2,4 \times 8,4 + (2,2)^2$$

$$(8,8)^2 - 5,4 \times 5,5$$

$$(1,4)^2 \div 9,8 + 7,7$$

$$6,4 \times 3,5 + (8,2)^2$$

Order of Operations with Decimals (D) Answers

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$\begin{aligned} & 6,4 \times 9,7 + \underline{(2,8)^2} \\ & = \underline{6,4 \times 9,7} + 7,84 \\ & = \underline{62,08 + 7,84} \\ & = \underline{69,92} \\ & \quad \left(7,8 + \underline{(5,6)^2}\right) \div 4,4 \\ & \quad = \underline{(7,8 + 31,36)} \div 4,4 \\ & \quad = \underline{39,16 \div 4,4} \\ & \quad = \underline{8,9} \end{aligned}$$

$$\begin{aligned} & 6,8 \times \underline{(8,9 - 7,9)^3} \\ & = 6,8 \times \underline{1^3} \\ & = \underline{6,8 \times 1} \\ & = \underline{6,8} \\ & \quad \underline{(2,9)^2} + 1,3 \div 2,5 \\ & \quad = 8,41 + \underline{1,3 \div 2,5} \\ & \quad = \underline{8,41 + 0,52} \\ & \quad = \underline{8,93} \end{aligned}$$

$$\begin{aligned} & \underline{(8,8)^2} - 7,2 \div 4,5 \\ & = 77,44 - \underline{7,2 \div 4,5} \\ & = \underline{77,44 - 1,6} \\ & = \underline{75,84} \\ & \quad \underline{1,7 \times 2,8} - \underline{(1,8)^2} \\ & \quad = \underline{1,7 \times 2,8} - 3,24 \\ & \quad = \underline{4,76 - 3,24} \\ & \quad = \underline{1,52} \end{aligned}$$

$$\begin{aligned} & 2,4 \times 8,4 + \underline{(2,2)^2} \\ & = \underline{2,4 \times 8,4} + 4,84 \\ & = \underline{20,16 + 4,84} \\ & = \underline{25} \\ & \quad \underline{(8,8)^2} - 5,4 \times 5,5 \\ & \quad = 77,44 - \underline{5,4 \times 5,5} \\ & \quad = \underline{77,44 - 29,7} \\ & \quad = \underline{47,74} \end{aligned}$$

$$\begin{aligned} & \underline{(1,4)^2} \div 9,8 + 7,7 \\ & = \underline{1,96 \div 9,8} + 7,7 \\ & = \underline{0,2 + 7,7} \\ & = \underline{7,9} \\ & \quad \underline{6,4 \times 3,5} + \underline{(8,2)^2} \\ & \quad = \underline{6,4 \times 3,5} + 67,24 \\ & \quad = \underline{22,4 + 67,24} \\ & \quad = \underline{89,64} \end{aligned}$$