

## 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.

$$\begin{aligned} &6.4 \times 9.7 + \underline{(2.8)^2} \\ &= \underline{6.4 \times 9.7} + 7.84 \\ &= \underline{62.08 + 7.84} \\ &= 69.92 \end{aligned}$$

$$\begin{aligned} &\underline{(7.8 + (5.6)^2)} \div 4.4 \\ &= \underline{(7.8 + 31.36)} \div 4.4 \\ &= \underline{39.16 \div 4.4} \\ &= 8.9 \end{aligned}$$

$$\begin{aligned} &6.8 \times \underline{(8.9 - 7.9)^3} \\ &= 6.8 \times \underline{1^3} \\ &= \underline{6.8 \times 1} \\ &= 6.8 \end{aligned}$$

$$\begin{aligned} &\underline{(2.9)^2} + 1.3 \div 2.5 \\ &= 8.41 + \underline{1.3 \div 2.5} \\ &= \underline{8.41 + 0.52} \\ &= 8.93 \end{aligned}$$

$$\begin{aligned} &\underline{(8.8)^2} - 7.2 \div 4.5 \\ &= 77.44 - \underline{7.2 \div 4.5} \\ &= \underline{77.44 - 1.6} \\ &= 75.84 \end{aligned}$$

$$\begin{aligned} &1.7 \times 2.8 - \underline{(1.8)^2} \\ &= \underline{1.7 \times 2.8} - 3.24 \\ &= \underline{4.76 - 3.24} \\ &= 1.52 \end{aligned}$$

$$\begin{aligned} &2.4 \times 8.4 + \underline{(2.2)^2} \\ &= \underline{2.4 \times 8.4} + 4.84 \\ &= \underline{20.16 + 4.84} \\ &= 25 \end{aligned}$$

$$\begin{aligned} &\underline{(8.8)^2} - 5.4 \times 5.5 \\ &= 77.44 - \underline{5.4 \times 5.5} \\ &= \underline{77.44 - 29.7} \\ &= 47.74 \end{aligned}$$

$$\begin{aligned} &\underline{(1.4)^2} \div 9.8 + 7.7 \\ &= \underline{1.96 \div 9.8} + 7.7 \\ &= \underline{0.2 + 7.7} \\ &= 7.9 \end{aligned}$$

$$\begin{aligned} &6.4 \times 3.5 + \underline{(8.2)^2} \\ &= \underline{6.4 \times 3.5} + 67.24 \\ &= \underline{22.4 + 67.24} \\ &= 89.64 \end{aligned}$$