

# Order of Operations with Decimals (A)

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

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

Simplify each expression using the correct order of operations.

$$(7.1)^2 - 6.7 \times 3.1$$

$$(9.5)^2 \div (5.6 - 4.6)$$

$$(6.3)^2 + 1.9 \times 5.3$$

$$(2.8)^2 \div 1.6 + 8.7$$

$$4.2 \times 6.9 - (2.9)^2$$

$$(8.1)^2 + 6.7 \times 3.7$$

$$(3.6)^2 + 1.7 \times 5.1$$

$$7.5 \times 4.6 - (2.8)^2$$

$$(7.1)^2 - 3.8 \times 1.8$$

$$3.3 \times 5.7 + (2.9)^2$$

# Order of Operations with Decimals (A) Answers

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

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

Simplify each expression using the correct order of operations.

$$\begin{aligned} & \underline{(7.1)^2} - 6.7 \times 3.1 \\ & = 50.41 - \underline{6.7 \times 3.1} \\ & = \underline{50.41 - 20.77} \\ & = 29.64 \end{aligned}$$

$$\begin{aligned} & (9.5)^2 \div \underline{(5.6 - 4.6)} \\ & = \underline{(9.5)^2} \div 1 \\ & = \underline{90.25} \div 1 \\ & = 90.25 \end{aligned}$$

$$\begin{aligned} & \underline{(6.3)^2} + 1.9 \times 5.3 \\ & = 39.69 + \underline{1.9 \times 5.3} \\ & = \underline{39.69 + 10.07} \\ & = 49.76 \end{aligned}$$

$$\begin{aligned} & \underline{(2.8)^2} \div 1.6 + 8.7 \\ & = \underline{7.84} \div 1.6 + 8.7 \\ & = \underline{4.9} + 8.7 \\ & = 13.6 \end{aligned}$$

$$\begin{aligned} & 4.2 \times 6.9 - \underline{(2.9)^2} \\ & = \underline{4.2 \times 6.9} - 8.41 \\ & = \underline{28.98} - 8.41 \\ & = 20.57 \end{aligned}$$

$$\begin{aligned} & \underline{(8.1)^2} + 6.7 \times 3.7 \\ & = 65.61 + \underline{6.7 \times 3.7} \\ & = \underline{65.61 + 24.79} \\ & = 90.4 \end{aligned}$$

$$\begin{aligned} & \underline{(3.6)^2} + 1.7 \times 5.1 \\ & = 12.96 + \underline{1.7 \times 5.1} \\ & = \underline{12.96 + 8.67} \\ & = 21.63 \end{aligned}$$

$$\begin{aligned} & 7.5 \times 4.6 - \underline{(2.8)^2} \\ & = \underline{7.5 \times 4.6} - 7.84 \\ & = \underline{34.5} - 7.84 \\ & = 26.66 \end{aligned}$$

$$\begin{aligned} & \underline{(7.1)^2} - 3.8 \times 1.8 \\ & = 50.41 - \underline{3.8 \times 1.8} \\ & = \underline{50.41 - 6.84} \\ & = 43.57 \end{aligned}$$

$$\begin{aligned} & 3.3 \times 5.7 + \underline{(2.9)^2} \\ & = \underline{3.3 \times 5.7} + 8.41 \\ & = \underline{18.81} + 8.41 \\ & = 27.22 \end{aligned}$$