

# Order of Operations with Decimals (A)

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

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

Solve each expression using the correct order of operations.

$$(5.9 - 5.3) \times 7.2 + (1.4)^2$$

$$\left( (2.1)^2 + 5.2 - 7.2 \right) \times 7.1$$

$$8.5 \times \left( (1.6)^2 + 2.4 - 2.1 \right)$$

$$(7.9)^2 + 4.2 \times (6.5 - 5.7)$$

$$(7.3)^2 + 9.1 \div (8.7 - 6.1)$$

$$(3.2)^2 \times (1.6 - 1.4 + 8.3)$$

$$(5.2 + 6.6 - 9.3)^2 \times 3.8$$

$$3.8 \times \left( 9.5 + (2.5)^2 - 2.4 \right)$$

# Order of Operations with Decimals (A) Answers

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

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

Solve each expression using the correct order of operations.

$$\begin{aligned} & (5.9 - 5.3) \times 7.2 + (1.4)^2 \\ &= 0.6 \times 7.2 + (1.4)^2 \\ &= 0.6 \times 7.2 + 1.96 \\ &= 4.32 + 1.96 \\ &= 6.28 \end{aligned}$$

$$\begin{aligned} & ((2.1)^2 + 5.2 - 7.2) \times 7.1 \\ &= (4.41 + 5.2 - 7.2) \times 7.1 \\ &= (9.61 - 7.2) \times 7.1 \\ &= 2.41 \times 7.1 \\ &= 17.111 \end{aligned}$$

$$\begin{aligned} & 8.5 \times ((1.6)^2 + 2.4 - 2.1) \\ &= 8.5 \times (2.56 + 2.4 - 2.1) \\ &= 8.5 \times (4.96 - 2.1) \\ &= 8.5 \times 2.86 \\ &= 24.31 \end{aligned}$$

$$\begin{aligned} & (7.9)^2 + 4.2 \times (6.5 - 5.7) \\ &= (7.9)^2 + 4.2 \times 0.8 \\ &= 62.41 + 4.2 \times 0.8 \\ &= 62.41 + 3.36 \\ &= 65.77 \end{aligned}$$

$$\begin{aligned} & (7.3)^2 + 9.1 \div (8.7 - 6.1) \\ &= (7.3)^2 + 9.1 \div 2.6 \\ &= 53.29 + 9.1 \div 2.6 \\ &= 53.29 + 3.5 \\ &= 56.79 \end{aligned}$$

$$\begin{aligned} & (3.2)^2 \times (1.6 - 1.4 + 8.3) \\ &= (3.2)^2 \times (0.2 + 8.3) \\ &= (3.2)^2 \times 8.5 \\ &= 10.24 \times 8.5 \\ &= 87.04 \end{aligned}$$

$$\begin{aligned} & (5.2 + 6.6 - 9.3)^2 \times 3.8 \\ &= (11.8 - 9.3)^2 \times 3.8 \\ &= (2.5)^2 \times 3.8 \\ &= 6.25 \times 3.8 \\ &= 23.75 \end{aligned}$$

$$\begin{aligned} & 3.8 \times (9.5 + (2.5)^2 - 2.4) \\ &= 3.8 \times (9.5 + 6.25 - 2.4) \\ &= 3.8 \times (15.75 - 2.4) \\ &= 3.8 \times 13.35 \\ &= 50.73 \end{aligned}$$