

## Order of Operations with Decimals (B)

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

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

Solve each expression using the correct order of operations.

$$5,2 \times ((0,5)^2 + 9,7 - 2,7)$$

$$((-2,4)^2 \div (-1,6) + 8,8) \times (-1,9)$$

$$((-3,7)^2 - 8,8) \times ((-6,8) + (-1,2))$$

$$(-7,3) + (9,4)^2 \div (4,7 \times 1,6)$$

$$((-0,5) + (-1,7) - (-9,9))^2 \div (-1,4)$$

$$(6,1 + (-1,1)) \times ((-6,8) - (-2,7))^2$$

$$2,8 \times ((2,5)^2 + 9,6 \div (-6,4))$$

$$0,4 - (-1,7) \times ((-3,6) + 1,6)^3$$

# Order of Operations with Decimals (B) Answers

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

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

Solve each expression using the correct order of operations.

$$\begin{aligned} & 5,2 \times \left( (0,5)^2 + 9,7 - 2,7 \right) \\ & = 5,2 \times (0,25 + 9,7 - 2,7) \\ & = 5,2 \times (9,95 - 2,7) \\ & = \underline{5,2 \times 7,25} \\ & = \underline{37,7} \end{aligned}$$

$$\begin{aligned} & \left( (-2,4)^2 \div (-1,6) + 8,8 \right) \times (-1,9) \\ & = \left( 5,76 \div (-1,6) + 8,8 \right) \times (-1,9) \\ & = \left( (-3,6) + 8,8 \right) \times (-1,9) \\ & = \underline{5,2 \times (-1,9)} \\ & = \underline{-9,88} \end{aligned}$$

$$\begin{aligned} & \left( (-3,7)^2 - 8,8 \right) \times ((-6,8) + (-1,2)) \\ & = \left( 13,69 - 8,8 \right) \times ((-6,8) + (-1,2)) \\ & = 4,89 \times \left( (-6,8) + (-1,2) \right) \\ & = \underline{4,89 \times (-8)} \\ & = \underline{-39,12} \end{aligned}$$

$$\begin{aligned} & (-7,3) + (9,4)^2 \div (4,7 \times 1,6) \\ & = (-7,3) + (9,4)^2 \div 7,52 \\ & = (-7,3) + \underline{88,36 \div 7,52} \\ & = \underline{(-7,3) + 11,75} \\ & = \underline{4,45} \end{aligned}$$

$$\begin{aligned} & \left( (-0,5) + (-1,7) - (-9,9) \right)^2 \div (-1,4) \\ & = \left( (-2,2) - (-9,9) \right)^2 \div (-1,4) \\ & = \underline{(7,7)^2} \div (-1,4) \\ & = \underline{59,29 \div (-1,4)} \\ & = \underline{-42,35} \end{aligned}$$

$$\begin{aligned} & \left( 6,1 + (-1,1) \right) \times ((-6,8) - (-2,7))^2 \\ & = 5 \times \left( (-6,8) - (-2,7) \right)^2 \\ & = 5 \times \underline{(-4,1)^2} \\ & = \underline{5 \times 16,81} \\ & = \underline{84,05} \end{aligned}$$

$$\begin{aligned} & 2,8 \times \left( (2,5)^2 + 9,6 \div (-6,4) \right) \\ & = 2,8 \times \left( 6,25 + \underline{9,6 \div (-6,4)} \right) \\ & = 2,8 \times \left( 6,25 + (-1,5) \right) \\ & = \underline{2,8 \times 4,75} \\ & = \underline{13,3} \end{aligned}$$

$$\begin{aligned} & 0,4 - (-1,7) \times \left( (-3,6) + 1,6 \right)^3 \\ & = 0,4 - (-1,7) \times \underline{(-2)^3} \\ & = 0,4 - \underline{(-1,7) \times (-8)} \\ & = \underline{0,4 - 13,6} \\ & = \underline{-13,2} \end{aligned}$$