

## Order of Operations with Decimals (A)

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

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

Simplify each expression using the correct order of operations.

$$0,75 \times 3,2 + (9,1)^2 \div ((-2,3) - (-0,9))^2$$

$$((-5,4)^2 \div 3,6) \times 3,1 - (-2,2)^2 + (-3,2)$$

$$((( -8,9) + (-3,9)) \div 3,2) \times (-3,2) - 7,3 + (-4,6)^2$$

# Order of Operations with Decimals (A) Answers

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

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

Simplify each expression using the correct order of operations.

$$\begin{aligned} & 0,75 \times 3,2 + (9,1)^2 \div \left( \underline{(-2,3) - (-0,9)} \right)^2 \\ & = 0,75 \times 3,2 + \underline{(9,1)^2} \div (-1,4)^2 \\ & = 0,75 \times 3,2 + 82,81 \div \underline{(-1,4)^2} \\ & = \underline{0,75 \times 3,2} + 82,81 \div 1,96 \\ & = 2,4 + \underline{82,81 \div 1,96} \\ & = \underline{2,4 + 42,25} \\ & = 44,65 \end{aligned}$$

$$\begin{aligned} & \left( \underline{(-5,4)^2} \div 3,6 \right) \times 3,1 - (-2,2)^2 + (-3,2) \\ & = \left( \underline{29,16 \div 3,6} \right) \times 3,1 - (-2,2)^2 + (-3,2) \\ & = 8,1 \times 3,1 - \underline{(-2,2)^2} + (-3,2) \\ & = \underline{8,1 \times 3,1} - 4,84 + (-3,2) \\ & = \underline{25,11 - 4,84} + (-3,2) \\ & = \underline{20,27 + (-3,2)} \\ & = 17,07 \end{aligned}$$

$$\begin{aligned} & \left( \left( \underline{(-8,9) + (-3,9)} \right) \div 3,2 \right) \times (-3,2) - 7,3 + (-4,6)^2 \\ & = \left( \underline{(-12,8) \div 3,2} \right) \times (-3,2) - 7,3 + (-4,6)^2 \\ & = (-4) \times (-3,2) - 7,3 + \underline{(-4,6)^2} \\ & = \underline{(-4) \times (-3,2)} - 7,3 + 21,16 \\ & = \underline{12,8 - 7,3} + 21,16 \\ & = \underline{5,5 + 21,16} \\ & = 26,66 \end{aligned}$$