

## Order of Operations with Decimals (D)

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

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

Simplify each expression using the correct order of operations.

$$((-3,4) \div (-8,5)) \times (-5,5) + (9,5)^2 - (2,4)^2$$

$$(2,4)^2 \div ((-0,2) - 2,2) \times (-8,4) + 5,8 \times (-2,7)$$

$$3,2 + 4,4 - (0,2)^2 \times (2,1 \div (-2,1))^3$$

## Order of Operations with Decimals (D) Answers

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

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

Simplify each expression using the correct order of operations.

$$\begin{aligned} & \left( \underline{(-3,4) \div (-8,5)} \right) \times (-5,5) + (9,5)^2 - (2,4)^2 \\ & = 0,4 \times (-5,5) + \underline{(9,5)^2} - (2,4)^2 \\ & = 0,4 \times (-5,5) + 90,25 - \underline{(2,4)^2} \\ & = \underline{0,4 \times (-5,5)} + 90,25 - 5,76 \\ & = \underline{(-2,2) + 90,25} - 5,76 \\ & = \underline{88,05} - 5,76 \\ & = 82,29 \end{aligned}$$

$$\begin{aligned} & (2,4)^2 \div \left( \underline{(-0,2) - 2,2} \right) \times (-8,4) + 5,8 \times (-2,7) \\ & = \underline{(2,4)^2} \div (-2,4) \times (-8,4) + 5,8 \times (-2,7) \\ & = \underline{5,76 \div (-2,4)} \times (-8,4) + 5,8 \times (-2,7) \\ & = \underline{(-2,4) \times (-8,4)} + 5,8 \times (-2,7) \\ & = 20,16 + \underline{5,8 \times (-2,7)} \\ & = \underline{20,16 + (-15,66)} \\ & = 4,5 \end{aligned}$$

$$\begin{aligned} & 3,2 + 4,4 - (0,2)^2 \times \left( \underline{2,1 \div (-2,1)} \right)^3 \\ & = 3,2 + 4,4 - \underline{(0,2)^2} \times (-1)^3 \\ & = 3,2 + 4,4 - 0,04 \times \underline{(-1)^3} \\ & = 3,2 + 4,4 - \underline{0,04 \times (-1)} \\ & = \underline{3,2 + 4,4} - (-0,04) \\ & = \underline{7,6 - (-0,04)} \\ & = 7,64 \end{aligned}$$