

# Order of Operations with Decimals (A)

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

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

Solve each expression using the correct order of operations.

$$\left((-6,6) + (-9,2) - (-6,4)^2\right) \div 2,2$$

$$(-1,8)^2 + 2,5 \times ((-4,5) - (-7,7))$$

$$\left((-7,2)^2 - 6,4\right) \times (1,8 + (-0,8))$$

$$(9,5 - (-0,1)) \times (2,5)^2 + (-3,7)$$

$$\left((-4,1) + (-8,6) - (0,5)^2\right) \times 7,2$$

$$(7,5 + 3,2) \times (1,2 - 2,2)^2$$

$$\left(3,1 + (-7,3) - (0,5)^2\right) \times (-2,6)$$

$$\left(2,2 + (-0,6)^2 - 1,4\right) \times (-2,5)$$

# Order of Operations with Decimals (A) Answers

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

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

Solve each expression using the correct order of operations.

$$\begin{aligned} & ((-6,6) + (-9,2) - \underline{(-6,4)^2}) \div 2,2 \\ &= (\underline{(-6,6) + (-9,2)} - 40,96) \div 2,2 \\ &= (\underline{(-15,8) - 40,96}) \div 2,2 \\ &= \underline{(-56,76) \div 2,2} \\ &= -25,8 \end{aligned}$$

$$\begin{aligned} & (-1,8)^2 + 2,5 \times (\underline{(-4,5) - (-7,7)}) \\ &= \underline{(-1,8)^2} + 2,5 \times 3,2 \\ &= 3,24 + \underline{2,5 \times 3,2} \\ &= \underline{3,24 + 8} \\ &= 11,24 \end{aligned}$$

$$\begin{aligned} & (\underline{(-7,2)^2} - 6,4) \times (1,8 + (-0,8)) \\ &= (\underline{51,84 - 6,4}) \times (1,8 + (-0,8)) \\ &= 45,44 \times (\underline{1,8 + (-0,8)}) \\ &= \underline{45,44 \times 1} \\ &= 45,44 \end{aligned}$$

$$\begin{aligned} & (\underline{9,5 - (-0,1)}) \times (2,5)^2 + (-3,7) \\ &= 9,6 \times \underline{(2,5)^2} + (-3,7) \\ &= \underline{9,6 \times 6,25} + (-3,7) \\ &= \underline{60 + (-3,7)} \\ &= 56,3 \end{aligned}$$

$$\begin{aligned} & ((-4,1) + (-8,6) - \underline{(0,5)^2}) \times 7,2 \\ &= (\underline{(-4,1) + (-8,6)} - 0,25) \times 7,2 \\ &= (\underline{(-12,7) - 0,25}) \times 7,2 \\ &= \underline{(-12,95) \times 7,2} \\ &= -93,24 \end{aligned}$$

$$\begin{aligned} & (\underline{7,5 + 3,2}) \times (1,2 - 2,2)^2 \\ &= 10,7 \times \underline{(1,2 - 2,2)^2} \\ &= 10,7 \times \underline{(-1)^2} \\ &= \underline{10,7 \times 1} \\ &= 10,7 \end{aligned}$$

$$\begin{aligned} & (3,1 + (-7,3) - \underline{(0,5)^2}) \times (-2,6) \\ &= (\underline{3,1 + (-7,3)} - 0,25) \times (-2,6) \\ &= (\underline{(-4,2) - 0,25}) \times (-2,6) \\ &= \underline{(-4,45) \times (-2,6)} \\ &= 11,57 \end{aligned}$$

$$\begin{aligned} & (2,2 + \underline{(-0,6)^2} - 1,4) \times (-2,5) \\ &= (\underline{2,2 + 0,36} - 1,4) \times (-2,5) \\ &= (\underline{2,56 - 1,4}) \times (-2,5) \\ &= \underline{1,16 \times (-2,5)} \\ &= -2,9 \end{aligned}$$