

# Order of Operations with Decimals (G)

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

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

Simplify each expression using the correct order of operations.

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

$$2,4 - (-8,4)^2 \div ((-5,4) + (-3,6))$$

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

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

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

$$(-7,5) \times ((-6,5) + (-0,2)^2 - 5,8)$$

$$(3,6 - (-5,9) + (-8,5)) \times (-1,6)^2$$

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

# Order of Operations with Decimals (G) Answers

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

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

Simplify each expression using the correct order of operations.

$$\begin{aligned}
 & 3,4 \times \left( \underline{8,5 + (-4,2)} - 2,3 \right)^2 & 2,4 - (-8,4)^2 \div \left( \underline{(-5,4) + (-3,6)} \right) \\
 & = 3,4 \times \left( \underline{4,3 - 2,3} \right)^2 & = 2,4 - \underline{(-8,4)^2} \div (-9) \\
 & = 3,4 \times \underline{2^2} & = 2,4 - \underline{70,56 \div (-9)} \\
 & = \underline{3,4 \times 4} & = \underline{2,4 - (-7,84)} \\
 & = \underline{13,6} & = \underline{10,24}
 \end{aligned}$$

$$\begin{aligned}
 & (4,9)^2 + 5,1 \times \left( \underline{9,2 - 0,5} \right) & (-7,2) \div \left( \underline{(-7,4) - 3,1} + 9,7 \right)^2 \\
 & = \underline{(4,9)^2} + 5,1 \times 8,7 & = (-7,2) \div \left( \underline{(-10,5) + 9,7} \right)^2 \\
 & = 24,01 + \underline{5,1 \times 8,7} & = (-7,2) \div \underline{(-0,8)^2} \\
 & = \underline{24,01 + 44,37} & = \underline{(-7,2) \div 0,64} \\
 & = \underline{68,38} & = \underline{-11,25}
 \end{aligned}$$

$$\begin{aligned}
 & \left( \underline{(-2,2)^2} - 1,6 \times (-6,5) \right) \div (-1,2) & (-7,5) \times \left( (-6,5) + \underline{(-0,2)^2} - 5,8 \right) \\
 & = \left( 4,84 - \underline{1,6 \times (-6,5)} \right) \div (-1,2) & = (-7,5) \times \left( \underline{(-6,5) + 0,04} - 5,8 \right) \\
 & = \left( \underline{4,84 - (-10,4)} \right) \div (-1,2) & = (-7,5) \times \left( \underline{(-6,46) - 5,8} \right) \\
 & = \underline{15,24 \div (-1,2)} & = \underline{(-7,5) \times (-12,26)} \\
 & = \underline{-12,7} & = \underline{91,95}
 \end{aligned}$$

$$\begin{aligned}
 & \left( \underline{3,6 - (-5,9)} + (-8,5) \right) \times (-1,6)^2 & (-7,5) - 1,3 \div \left( \underline{0,9 + (-1,1)} \right)^2 \\
 & = \left( \underline{9,5 + (-8,5)} \right) \times (-1,6)^2 & = (-7,5) - 1,3 \div \underline{(-0,2)^2} \\
 & = 1 \times \underline{(-1,6)^2} & = (-7,5) - \underline{1,3 \div 0,04} \\
 & = \underline{1 \times 2,56} & = \underline{(-7,5) - 32,5} \\
 & = \underline{2,56} & = \underline{-40}
 \end{aligned}$$