

Order of Operations with Decimals (A)

Name: _____

Date: _____

Solve each expression using the correct order of operations.

$$1,4 \times ((-9,1) + 7,3 - (2,2)^2 \div (-8,8))$$

$$(-9,6)^2 + (-5,4) \div 1,8 \times (8,3 - 0,6)$$

$$5,7 + (-0,9) \div ((-4,3) - (-4,9)) \times (2,4)^2$$

$$((-7,4) \times (-0,1) - (-6,8)^2) \div (7,3 + (-4,7))$$

$$(-2,4)^2 \div (2,5 + 2,2 - 6,3) \times 4,7$$

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

Order of Operations with Decimals (A) Answers

Name: _____

Date: _____

Solve each expression using the correct order of operations.

$$\begin{aligned} & 1,4 \times ((-9,1) + 7,3 - \underline{(2,2)^2} \div (-8,8)) \\ & = 1,4 \times ((-9,1) + 7,3 - \underline{4,84 \div (-8,8)}) \\ & = 1,4 \times (\underline{(-9,1) + 7,3} - (-0,55)) \\ & = 1,4 \times (\underline{(-1,8) - (-0,55)}) \\ & = \underline{1,4 \times (-1,25)} \\ & = -1,75 \end{aligned}$$

$$\begin{aligned} & (-9,6)^2 + (-5,4) \div 1,8 \times \underline{(8,3 - 0,6)} \\ & = \underline{(-9,6)^2} + (-5,4) \div 1,8 \times 7,7 \\ & = 92,16 + \underline{(-5,4) \div 1,8} \times 7,7 \\ & = 92,16 + \underline{(-3) \times 7,7} \\ & = \underline{92,16 + (-23,1)} \\ & = 69,06 \end{aligned}$$

$$\begin{aligned} & 5,7 + (-0,9) \div (\underline{(-4,3) - (-4,9)}) \times (2,4)^2 \\ & = 5,7 + (-0,9) \div 0,6 \times \underline{(2,4)^2} \\ & = 5,7 + \underline{(-0,9) \div 0,6} \times 5,76 \\ & = 5,7 + \underline{(-1,5) \times 5,76} \\ & = \underline{5,7 + (-8,64)} \\ & = -2,94 \end{aligned}$$

$$\begin{aligned} & ((-7,4) \times (-0,1) - \underline{(-6,8)^2}) \div (7,3 + (-4,7)) \\ & = (\underline{(-7,4) \times (-0,1)} - 46,24) \div (7,3 + (-4,7)) \\ & = \underline{(0,74 - 46,24)} \div (7,3 + (-4,7)) \\ & = (-45,5) \div \underline{(7,3 + (-4,7))} \\ & = \underline{(-45,5) \div 2,6} \\ & = -17,5 \end{aligned}$$

$$\begin{aligned} & (-2,4)^2 \div (\underline{2,5 + 2,2} - 6,3) \times 4,7 \\ & = (-2,4)^2 \div \underline{(4,7 - 6,3)} \times 4,7 \\ & = \underline{(-2,4)^2} \div (-1,6) \times 4,7 \\ & = \underline{5,76 \div (-1,6)} \times 4,7 \\ & = \underline{(-3,6) \times 4,7} \\ & = -16,92 \end{aligned}$$

$$\begin{aligned} & (\underline{(-4,2) \times 2,4}) \div 1,8 - (-4,8)^2 + 1,4 \\ & = (-10,08) \div 1,8 - \underline{(-4,8)^2} + 1,4 \\ & = \underline{(-10,08) \div 1,8} - 23,04 + 1,4 \\ & = \underline{(-5,6) - 23,04} + 1,4 \\ & = \underline{(-28,64) + 1,4} \\ & = -27,24 \end{aligned}$$