

## Order of Operations with Decimals (F)

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

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

Solve each expression using the correct order of operations.

$$2,8 \div (-2,8) \times \left( (-5,3)^2 - (-0,8) + 8,8 - (-0,9) \right)$$

$$8,3 \times \left( ((-7,5) - 0,5) \div (5,8 + (-7,8)^3) \right)^2$$

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

# Order of Operations with Decimals (F) Answers

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

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

Solve each expression using the correct order of operations.

$$\begin{aligned} & 2,8 \div (-2,8) \times \left( \underline{(-5,3)^2} - (-0,8) + 8,8 - (-0,9) \right) \\ & = 2,8 \div (-2,8) \times \left( \underline{28,09 - (-0,8)} + 8,8 - (-0,9) \right) \\ & = 2,8 \div (-2,8) \times \left( \underline{28,89 + 8,8} - (-0,9) \right) \\ & = 2,8 \div (-2,8) \times \left( \underline{37,69 - (-0,9)} \right) \\ & = \underline{2,8 \div (-2,8)} \times 38,59 \\ & = \underline{(-1) \times 38,59} \\ & = -38,59 \end{aligned}$$

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

$$\begin{aligned} & (5,6)^2 \div (-6,4) + (-4,5) \times \left( \left( \underline{(-1,4) - (-0,4)} \right) \times 3,8 \right) \\ & = (5,6)^2 \div (-6,4) + (-4,5) \times \left( \underline{(-1) \times 3,8} \right) \\ & = \underline{(5,6)^2} \div (-6,4) + (-4,5) \times (-3,8) \\ & = \underline{31,36 \div (-6,4)} + (-4,5) \times (-3,8) \\ & = (-4,9) + \underline{(-4,5) \times (-3,8)} \\ & = \underline{(-4,9) + 17,1} \\ & = 12,2 \end{aligned}$$