

Order of Operations with Decimals (F)

Name: _____

Date: _____

Simplify 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: _____

Simplify each expression using the correct order of operations.

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

$$= 2,8 \div (-2,8) \times \left(\underline{28,09 - (-0,8)} + 8,8 - (-0,9) \right)$$

$$= 2,8 \div (-2,8) \times \left(\underline{28,89 + 8,8} - (-0,9) \right)$$

$$= 2,8 \div (-2,8) \times \left(\underline{37,69 - (-0,9)} \right)$$

$$= \underline{2,8 \div (-2,8)} \times 38,59$$

$$= \underline{(-1) \times 38,59}$$

$$= \underline{-38,59}$$

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

$$= 8,3 \times \left((-8) \div \left(\underline{5,8 + (-7,8)} \right)^3 \right)^2$$

$$= 8,3 \times \left((-8) \div \underline{(-2)^3} \right)^2$$

$$= 8,3 \times \left(\underline{(-8) \div (-8)} \right)^2$$

$$= 8,3 \times \underline{1^2}$$

$$= \underline{8,3 \times 1}$$

$$= 8,3$$

$$(5,6)^2 \div (-6,4) + (-4,5) \times \left(\left(\underline{(-1,4) - (-0,4)} \right) \times 3,8 \right)$$

$$= (5,6)^2 \div (-6,4) + (-4,5) \times \left(\underline{(-1) \times 3,8} \right)$$

$$= \underline{(5,6)^2 \div (-6,4)} + (-4,5) \times (-3,8)$$

$$= \underline{31,36 \div (-6,4)} + (-4,5) \times (-3,8)$$

$$= (-4,9) + \underline{(-4,5) \times (-3,8)}$$

$$= \underline{(-4,9) + 17,1}$$

$$= 12,2$$