

Order of Operations with Decimals (F)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$(-1.9)^2 \times (3.2 - (-3.8))$$

$$1.1 - 0.3 \div (0.2)^2$$

$$(-0.9) \times 5.1 + (6.8)^2$$

$$(-9.8)^2 - 2.5 \times 1.6$$

$$(4.4 + (-3.8)^2) \div 0.5$$

$$(-0.7)^2 + 4.5 \times (-3.6)$$

$$(-5.2)^2 + 6.2 \times 2.5$$

$$(-9.7) - 3.75 \times (1.6)^2$$

$$3.8 \times (-9.1) + (6.9)^2$$

$$(4.1 - (3.5)^2) \times (-6.4)$$

Order of Operations with Decimals (F) Answers

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Date: _____

Simplify each expression using the correct order of operations.

$$\begin{aligned} & (-1.9)^2 \times (3.2 - (-3.8)) \\ &= (-1.9)^2 \times 7 \\ &= 3.61 \times 7 \\ &= 25.27 \end{aligned}$$

$$\begin{aligned} & 1.1 - 0.3 \div (0.2)^2 \\ &= 1.1 - 0.3 \div 0.04 \\ &= 1.1 - 7.5 \\ &= -6.4 \end{aligned}$$

$$\begin{aligned} & (-0.9) \times 5.1 + (6.8)^2 \\ &= (-0.9) \times 5.1 + 46.24 \\ &= (-4.59) + 46.24 \\ &= 41.65 \end{aligned}$$

$$\begin{aligned} & (-9.8)^2 - 2.5 \times 1.6 \\ &= 96.04 - 2.5 \times 1.6 \\ &= 96.04 - 4 \\ &= 92.04 \end{aligned}$$

$$\begin{aligned} & (4.4 + (-3.8)^2) \div 0.5 \\ &= (4.4 + 14.44) \div 0.5 \\ &= 18.84 \div 0.5 \\ &= 37.68 \end{aligned}$$

$$\begin{aligned} & (-0.7)^2 + 4.5 \times (-3.6) \\ &= 0.49 + 4.5 \times (-3.6) \\ &= 0.49 + (-16.2) \\ &= -15.71 \end{aligned}$$

$$\begin{aligned} & (-5.2)^2 + 6.2 \times 2.5 \\ &= 27.04 + 6.2 \times 2.5 \\ &= 27.04 + 15.5 \\ &= 42.54 \end{aligned}$$

$$\begin{aligned} & (-9.7) - 3.75 \times (1.6)^2 \\ &= (-9.7) - 3.75 \times 2.56 \\ &= (-9.7) - 9.6 \\ &= -19.3 \end{aligned}$$

$$\begin{aligned} & 3.8 \times (-9.1) + (6.9)^2 \\ &= 3.8 \times (-9.1) + 47.61 \\ &= (-34.58) + 47.61 \\ &= 13.03 \end{aligned}$$

$$\begin{aligned} & (4.1 - (3.5)^2) \times (-6.4) \\ &= (4.1 - 12.25) \times (-6.4) \\ &= (-8.15) \times (-6.4) \\ &= 52.16 \end{aligned}$$