

Order of Operations with Decimals (I)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$3.7 \times (3.1 - 6.1)^3$$

$$(1.7)^2 - 0.2 \times (-2.7)$$

$$(6.3)^2 + (-6.5) \div (-1.3)$$

$$6.8 \times 3.4 + (-0.5)^2$$

$$(-7.6) \div (0.4)^2 + 6.9$$

$$(3.4)^2 - (-7.2) \times 7.6$$

$$(4.9)^2 - (-5.1) \times 3.8$$

$$((-2.9) - (-3.6)^2) \div (-6.1)$$

$$2.2 \times 6.6 - (1.2)^2$$

$$(8.1)^2 - 9.9 \times 2.9$$

Order of Operations with Decimals (I) Answers

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$\begin{aligned} & 3.7 \times (3.1 - 6.1)^3 \\ &= 3.7 \times (-3)^3 \\ &= 3.7 \times (-27) \\ &= -99.9 \end{aligned}$$

$$\begin{aligned} & (1.7)^2 - 0.2 \times (-2.7) \\ &= 2.89 - 0.2 \times (-2.7) \\ &= 2.89 - (-0.54) \\ &= 3.43 \end{aligned}$$

$$\begin{aligned} & (6.3)^2 + (-6.5) \div (-1.3) \\ &= 39.69 + (-6.5) \div (-1.3) \\ &= 39.69 + 5 \\ &= 44.69 \end{aligned}$$

$$\begin{aligned} & 6.8 \times 3.4 + (-0.5)^2 \\ &= 6.8 \times 3.4 + 0.25 \\ &= 23.12 + 0.25 \\ &= 23.37 \end{aligned}$$

$$\begin{aligned} & (-7.6) \div (0.4)^2 + 6.9 \\ &= (-7.6) \div 0.16 + 6.9 \\ &= (-47.5) + 6.9 \\ &= -40.6 \end{aligned}$$

$$\begin{aligned} & (3.4)^2 - (-7.2) \times 7.6 \\ &= 11.56 - (-7.2) \times 7.6 \\ &= 11.56 - (-54.72) \\ &= 66.28 \end{aligned}$$

$$\begin{aligned} & (4.9)^2 - (-5.1) \times 3.8 \\ &= 24.01 - (-5.1) \times 3.8 \\ &= 24.01 - (-19.38) \\ &= 43.39 \end{aligned}$$

$$\begin{aligned} & ((-2.9) - (-3.6)^2) \div (-6.1) \\ &= ((-2.9) - 12.96) \div (-6.1) \\ &= (-15.86) \div (-6.1) \\ &= 2.6 \end{aligned}$$

$$\begin{aligned} & 2.2 \times 6.6 - (1.2)^2 \\ &= 2.2 \times 6.6 - 1.44 \\ &= 14.52 - 1.44 \\ &= 13.08 \end{aligned}$$

$$\begin{aligned} & (8.1)^2 - 9.9 \times 2.9 \\ &= 65.61 - 9.9 \times 2.9 \\ &= 65.61 - 28.71 \\ &= 36.9 \end{aligned}$$