Order of Operations with Decimals (I)

Name: _____

Date: _____

Solve each expression using the correct order of operations.

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

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

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

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

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

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

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

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

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

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

Order of Operations with Decimals (I) Answers

Name: _____

Date: _____

Solve each expression using the correct order of operations.

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

$= 3.7 \times (-3)^3$

$= 3.7 \times (-27)$

$= -99.9$

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

$= 2.89 - 0.2 \times (-2.7)$

$= 2.89 - (-0.54)$

$= 3.43$

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

$= 39.69 + (-6.5) \div (-1.3)$

$= 39.69 + 5$

$= 44.69$

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

$= 6.8 \times 3.4 + 0.25$

$= 23.12 + 0.25$

$= 23.37$

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

$= (-7.6) \div 0.16 + 6.9$

$= (-47.5) + 6.9$

$= -40.6$

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

$= 11.56 - (-7.2) \times 7.6$

$= 11.56 - (-54.72)$

$= 66.28$

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

$= 24.01 - (-5.1) \times 3.8$

$= 24.01 - (-19.38)$

$= 43.39$

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

$= \left((-2.9) - 12.96\right) \div (-6.1)$

$= (-15.86) \div (-6.1)$

$= 2.6$

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

$= 2.2 \times 6.6 - 1.44$

$= 14.52 - 1.44$

$= 13.08$

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

$= 65.61 - 9.9 \times 2.9$

$= 65.61 - 28.71$

$= 36.9$

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