Order of Operations with Decimals (H)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$3.7 \times 3.8 + (-2.3)^2$

$((-0.5) - (-6.8))^2 \div 3.5$

$(0.9)^2 - (-3.9) \times (-4.5)$

$1.7 \times 4.5 + (-4.3)^2$

$(-9.3)^2 \times ((-5.8) - (-6.8))$

$\left((3.5)^2 - (-2.6)\right) \times 0.6$

$\left((-7.3) - (-6.9)^2\right) \div 3.4$

$\left((9.3)^2 + 1.6\right) \div (-2.3)$

$0.1 - (7.8)^2 \div (-7.2)$

$(-0.7) \div 1.25 - (3.2)^2$

Order of Operations with Decimals (H) Answers

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$3.7 \times 3.8 + (-2.3)^2$

$= 3.7 \times 3.8 + 5.29$

$= 14.06 + 5.29$

$= 19.35$

$\left((-0.5) - (-6.8)\right)^2 \div 3.5$

$= (6.3)^2 \div 3.5$

$= 39.69 \div 3.5$

$= 11.34$

$(0.9)^2 - (-3.9) \times (-4.5)$

$= 0.81 - (-3.9) \times (-4.5)$

$= 0.81 - 17.55$

$= -16.74$

$1.7 \times 4.5 + (-4.3)^2$

$= 1.7 \times 4.5 + 18.49$

$= 7.65 + 18.49$

$= 26.14$

$(-9.3)^2 \times \left((-5.8) - (-6.8)\right)$

$= (-9.3)^2 \times 1$

$= 86.49 \times 1$

$= 86.49$

$\left((3.5)^2 - (-2.6)\right) \times 0.6$

$= \left(12.25 - (-2.6)\right) \times 0.6$

$= 14.85 \times 0.6$

$= 8.91$

$\left((-7.3) - (-6.9)^2\right) \div 3.4$

$= \left((-7.3) - 47.61\right) \div 3.4$

$= (-54.91) \div 3.4$

$= -16.15$

$\left((9.3)^2 + 1.6\right) \div (-2.3)$

$= \left(86.49 + 1.6\right) \div (-2.3)$

$= 88.09 \div (-2.3)$

$= -38.3$

$0.1 - (7.8)^2 \div (-7.2)$

$= 0.1 - 60.84 \div (-7.2)$

$= 0.1 - (-8.45)$

$= 8.55$

$(-0.7) \div 1.25 - (3.2)^2$

$= (-0.7) \div 1.25 - 10.24$

$= (-0.56) - 10.24$

$= -10.8$

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