Order of Operations with Decimals (A)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$(5.9 - 5.3) \times 7.2 + (1.4)^2$

$\left((2.1)^2 + 5.2 - 7.2\right) \times 7.1$

$8.5 \times \left((1.6)^2 + 2.4 - 2.1\right)$

$(7.9)^2 + 4.2 \times (6.5 - 5.7)$

$(7.3)^2 + 9.1 \div (8.7 - 6.1)$

$(3.2)^2 \times (1.6 - 1.4 + 8.3)$

$(5.2 + 6.6 - 9.3)^2 \times 3.8$

$3.8 \times \left(9.5 + (2.5)^2 - 2.4\right)$

Order of Operations with Decimals (A) Answers

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$(5.9 - 5.3) \times 7.2 + (1.4)^2$

$= 0.6 \times 7.2 + (1.4)^2$

$= 0.6 \times 7.2 + 1.96$

$= 4.32 + 1.96$

$= 6.28$

$((2.1)^2 + 5.2 - 7.2) \times 7.1$

$= (4.41 + 5.2 - 7.2) \times 7.1$

$= (9.61 - 7.2) \times 7.1$

$= 2.41 \times 7.1$

$= 17.111$

$8.5 \times ((1.6)^2 + 2.4 - 2.1)$

$= 8.5 \times (2.56 + 2.4 - 2.1)$

$= 8.5 \times (4.96 - 2.1)$

$= 8.5 \times 2.86$

$= 24.31$

$(7.9)^2 + 4.2 \times (6.5 - 5.7)$

$= (7.9)^2 + 4.2 \times 0.8$

$= 62.41 + 4.2 \times 0.8$

$= 62.41 + 3.36$

$= 65.77$

$(7.3)^2 + 9.1 \div (8.7 - 6.1)$

$= (7.3)^2 + 9.1 \div 2.6$

$= 53.29 + 9.1 \div 2.6$

$= 53.29 + 3.5$

$= 56.79$

$(3.2)^2 \times (1.6 - 1.4 + 8.3)$

$= (3.2)^2 \times (0.2 + 8.3)$

$= (3.2)^2 \times 8.5$

$= 10.24 \times 8.5$

$= 87.04$

$(5.2 + 6.6 - 9.3)^2 \times 3.8$

$= (11.8 - 9.3)^2 \times 3.8$

$= (2.5)^2 \times 3.8$

$= 6.25 \times 3.8$

$= 23.75$

$3.8 \times (9.5 + (2.5)^2 - 2.4)$

$= 3.8 \times (9.5 + 6.25 - 2.4)$

$= 3.8 \times (15.75 - 2.4)$

$= 3.8 \times 13.35$

$= 50.73$

Math-Drills.com