Order of Operations with Decimals (A)

Name: _____ Date: _____

Solve each expression using the correct order of operations.

$\left((-6.6) + (-9.2) - (-6.4)^2\right) \div 2.2$

$(-1.8)^2 + 2.5 \times ((-4.5) - (-7.7))$

$\left((-7.2)^2 - 6.4\right) \times (1.8 + (-0.8))$

$(9.5 - (-0.1)) \times (2.5)^2 + (-3.7)$

$\left((-4.1) + (-8.6) - (0.5)^2\right) \times 7.2$

$(7.5 + 3.2) \times (1.2 - 2.2)^2$

$\left(3.1 + (-7.3) - (0.5)^2\right) \times (-2.6)$

$\left(2.2 + (-0.6)^2 - 1.4\right) \times (-2.5)$

Order of Operations with Decimals (A) Answers

Name: _____ Date: _____

Solve each expression using the correct order of operations.

$\left((-6.6) + (-9.2) - \underline{(-6.4)^2}\right) \div 2.2$

$= \left(\underline{(-6.6) + (-9.2)} - 40.96\right) \div 2.2$

$= \left(\underline{(-15.8) - 40.96}\right) \div 2.2$

$= \underline{(-56.76) \div 2.2}$

$= -25.8$

$(-1.8)^2 + 2.5 \times \left(\underline{(-4.5) - (-7.7)}\right)$

$= \underline{(-1.8)^2} + 2.5 \times 3.2$

$= 3.24 + \underline{2.5 \times 3.2}$

$= \underline{3.24 + 8}$

$= 11.24$

$\left(\underline{(-7.2)^2} - 6.4\right) \times (1.8 + (-0.8))$

$= (\underline{51.84 - 6.4}) \times (1.8 + (-0.8))$

$= 45.44 \times \left(\underline{1.8 + (-0.8)}\right)$

$= \underline{45.44 \times 1}$

$= 45.44$

$\left(\underline{9.5 - (-0.1)}\right) \times (2.5)^2 + (-3.7)$

$= 9.6 \times \underline{(2.5)^2} + (-3.7)$

$= \underline{9.6 \times 6.25} + (-3.7)$

$= \underline{60 + (-3.7)}$

$= 56.3$

$\left((-4.1) + (-8.6) - \underline{(0.5)^2}\right) \times 7.2$

$= \left(\underline{(-4.1) + (-8.6)} - 0.25\right) \times 7.2$

$= \left(\underline{(-12.7) - 0.25}\right) \times 7.2$

$= \underline{(-12.95) \times 7.2}$

$= -93.24$

$\underline{(7.5 + 3.2)} \times (1.2 - 2.2)^2$

$= 10.7 \times \underline{(1.2 - 2.2)^2}$

$= 10.7 \times \underline{(-1)^2}$

$= \underline{10.7 \times 1}$

$= 10.7$

$\left(3.1 + (-7.3) - \underline{(0.5)^2}\right) \times (-2.6)$

$= \left(\underline{3.1 + (-7.3)} - 0.25\right) \times (-2.6)$

$= \left(\underline{(-4.2) - 0.25}\right) \times (-2.6)$

$= \underline{(-4.45) \times (-2.6)}$

$= 11.57$

$\left(2.2 + \underline{(-0.6)^2} - 1.4\right) \times (-2.5)$

$= (\underline{2.2 + 0.36} - 1.4) \times (-2.5)$

$= (\underline{2.56 - 1.4}) \times (-2.5)$

$= \underline{1.16 \times (-2.5)}$

$= -2.9$