Order of Operations with Decimals (B)

Name: _____ Date: _____

Solve each expression using the correct order of operations.

$(2.5)^2 - (-5.6) \times ((-0.6) + 6.3 \div (2.1 \times (-1.2)))$

$(-2.1)^2 - 8.6 \times (-2.9) + (-1.8) \div (1.4 \div 3.5)$

$(6.6)^2 \div 1.1 + 7.3 - 1.4 \times ((-2.2) - (-3.6))$

Order of Operations with Decimals (B) Answers

Name: _____ Date: _____

Solve each expression using the correct order of operations.

$(2.5)^2 - (-5.6) \times \left((-0.6) + 6.3 \div \left(\underline{2.1 \times (-1.2)}\right)\right)$

$= (2.5)^2 - (-5.6) \times \left((-0.6) + \underline{6.3 \div (-2.52)}\right)$

$= (2.5)^2 - (-5.6) \times \left(\underline{(-0.6) + (-2.5)}\right)$

$= \underline{(2.5)^2} - (-5.6) \times (-3.1)$

$= 6.25 - \underline{(-5.6) \times (-3.1)}$

$= \underline{6.25 - 17.36}$

$= -11.11$

$(-2.1)^2 - 8.6 \times (-2.9) + (-1.8) \div (\underline{1.4 \div 3.5})$

$= \underline{(-2.1)^2} - 8.6 \times (-2.9) + (-1.8) \div 0.4$

$= 4.41 - \underline{8.6 \times (-2.9)} + (-1.8) \div 0.4$

$= 4.41 - (-24.94) + \underline{(-1.8) \div 0.4}$

$= \underline{4.41 - (-24.94)} + (-4.5)$

$= \underline{29.35 + (-4.5)}$

$= 24.85$

$(6.6)^2 \div 1.1 + 7.3 - 1.4 \times \left(\underline{(-2.2) - (-3.6)}\right)$

$= \underline{(6.6)^2} \div 1.1 + 7.3 - 1.4 \times 1.4$

$= \underline{43.56 \div 1.1} + 7.3 - 1.4 \times 1.4$

$= 39.6 + 7.3 - \underline{1.4 \times 1.4}$

$= \underline{39.6 + 7.3} - 1.96$

$= \underline{46.9 - 1.96}$

$= 44.94$