

## Order of Operations with Decimals (B)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Simplify 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: \_\_\_\_\_

Simplify each expression using the correct order of operations.

$$\begin{aligned}(2.5)^2 - (-5.6) \times ((-0.6) + 6.3 \div (2.1 \times (-1.2))) \\&= (2.5)^2 - (-5.6) \times ((-0.6) + 6.3 \div (-2.52)) \\&= (2.5)^2 - (-5.6) \times ((-0.6) + (-2.5)) \\&= (2.5)^2 - (-5.6) \times (-3.1) \\&= 6.25 - (-5.6) \times (-3.1) \\&= 6.25 - 17.36 \\&= -11.11\end{aligned}$$

$$\begin{aligned}(-2.1)^2 - 8.6 \times (-2.9) + (-1.8) \div (1.4 \div 3.5) \\&= (-2.1)^2 - 8.6 \times (-2.9) + (-1.8) \div 0.4 \\&= 4.41 - 8.6 \times (-2.9) + (-1.8) \div 0.4 \\&= 4.41 - (-24.94) + (-1.8) \div 0.4 \\&= 4.41 - (-24.94) + (-4.5) \\&= 29.35 + (-4.5) \\&= 24.85\end{aligned}$$

$$\begin{aligned}(6.6)^2 \div 1.1 + 7.3 - 1.4 \times ((-2.2) - (-3.6)) \\&= (6.6)^2 \div 1.1 + 7.3 - 1.4 \times 1.4 \\&= 43.56 \div 1.1 + 7.3 - 1.4 \times 1.4 \\&= 39.6 + 7.3 - 1.4 \times 1.4 \\&= 39.6 + 7.3 - 1.96 \\&= 46.9 - 1.96 \\&= 44.94\end{aligned}$$