

Order of Operations with Decimals (G)

Name: _____

Date: _____

Solve each expression using the correct order of operations.

$$\left((-7.5) \times (2.8)^2\right) \div 1.25 + 6.4 - 9.6 - (-2.5)$$

$$\left((1.8)^2 \div (-1.8)\right) \times (-9.1) - (6.3)^2 + 4.3$$

$$((-2.1) + 2.1) \div 8.8 \times (7.3)^2 - (-2.2)^2$$

Order of Operations with Decimals (G) Answers

Name: _____

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Solve each expression using the correct order of operations.

$$\begin{aligned}& \left((-7.5) \times (2.8)^2 \right) \div 1.25 + 6.4 - 9.6 - (-2.5) \\&= \left((-7.5) \times 7.84 \right) \div 1.25 + 6.4 - 9.6 - (-2.5) \\&= (-58.8) \div 1.25 + 6.4 - 9.6 - (-2.5) \\&= (-47.04) + 6.4 - 9.6 - (-2.5) \\&= (-40.64) - 9.6 - (-2.5) \\&= (-50.24) - (-2.5) \\&= -47.74\end{aligned}$$

$$\begin{aligned}& \left((1.8)^2 \div (-1.8) \right) \times (-9.1) - (6.3)^2 + 4.3 \\&= \left(3.24 \div (-1.8) \right) \times (-9.1) - (6.3)^2 + 4.3 \\&= (-1.8) \times (-9.1) - (6.3)^2 + 4.3 \\&= (-1.8) \times (-9.1) - 39.69 + 4.3 \\&= 16.38 - 39.69 + 4.3 \\&= (-23.31) + 4.3 \\&= -19.01\end{aligned}$$

$$\begin{aligned}& \left((-2.1) + 2.1 \right) \div 8.8 \times (7.3)^2 - (-2.2)^2 \\&= 0 \div 8.8 \times (7.3)^2 - (-2.2)^2 \\&= 0 \div 8.8 \times 53.29 - (-2.2)^2 \\&= 0 \div 8.8 \times 53.29 - 4.84 \\&= 0 \times 53.29 - 4.84 \\&= 0 - 4.84 \\&= -4.84\end{aligned}$$