

Order of Operations with Decimals (H)

Name: _____

Date: _____

Solve each expression using the correct order of operations.

$$(-3.5) \times (-1.8) - (0.2)^2 + 3.1 \div (0.6 - (-1.9))$$

$$\left((-5.9) - 7.2 + (-3.2)^2 \right) \times (7.1 \div (-7.1))^2$$

$$\left((1.4)^2 - 2.6 \times (-6.5) + (-1.8) \div 0.1 \right) \times 5.5$$

Order of Operations with Decimals (H) Answers

Name: _____

Date: _____

Solve each expression using the correct order of operations.

$$\begin{aligned} & (-3.5) \times (-1.8) - (0.2)^2 + 3.1 \div (0.6 - (-1.9)) \\ &= (-3.5) \times (-1.8) - (0.2)^2 + 3.1 \div 2.5 \\ &= (-3.5) \times (-1.8) - 0.04 + 3.1 \div 2.5 \\ &= 6.3 - 0.04 + 3.1 \div 2.5 \\ &= 6.3 - 0.04 + 1.24 \\ &= 6.26 + 1.24 \\ &= 7.5 \end{aligned}$$

$$\begin{aligned} & ((-5.9) - 7.2 + (-3.2)^2) \times (7.1 \div (-7.1))^2 \\ &= ((-5.9) - 7.2 + 10.24) \times (7.1 \div (-7.1))^2 \\ &= ((-13.1) + 10.24) \times (7.1 \div (-7.1))^2 \\ &= (-2.86) \times (7.1 \div (-7.1))^2 \\ &= (-2.86) \times (-1)^2 \\ &= (-2.86) \times 1 \\ &= -2.86 \end{aligned}$$

$$\begin{aligned} & ((1.4)^2 - 2.6 \times (-6.5) + (-1.8) \div 0.1) \times 5.5 \\ &= (1.96 - 2.6 \times (-6.5) + (-1.8) \div 0.1) \times 5.5 \\ &= (1.96 - (-16.9) + (-1.8) \div 0.1) \times 5.5 \\ &= (1.96 - (-16.9) + (-18)) \times 5.5 \\ &= (18.86 + (-18)) \times 5.5 \\ &= 0.86 \times 5.5 \\ &= 4.73 \end{aligned}$$