

Order of Operations with Decimals (B)

Name: _____

Date: _____

Solve each expression using the correct order of operations.

$$(-6.5) + (1.1)^2 \div (-2.2)$$

$$(-1.7)^2 + 4.7 \times 9.7$$

$$\left((-4.4)^2 - (-2.1)\right) \times 2.5$$

$$6.2 \times 5.6 + (-2.5)^2$$

$$(-7.4) - (8.1)^2 \div 1.5$$

$$(-2.3) \times 0.6 - (9.3)^2$$

$$(4.3)^2 - (-3.3) \times (-8.2)$$

$$(7.1)^2 - 2.1 \times 8.2$$

$$(-6.3)^2 + 0.8 \times 5.5$$

$$\left(0.1 + (-3.7)^2\right) \div (-3.5)$$

Order of Operations with Decimals (B) Answers

Name: _____

Date: _____

Solve each expression using the correct order of operations.

$$\begin{aligned} & (-6.5) + (1.1)^2 \div (-2.2) \\ & = (-6.5) + 1.21 \div (-2.2) \\ & = (-6.5) + (-0.55) \\ & = -7.05 \end{aligned}$$

$$\begin{aligned} & (-1.7)^2 + 4.7 \times 9.7 \\ & = 2.89 + 4.7 \times 9.7 \\ & = 2.89 + 45.59 \\ & = 48.48 \end{aligned}$$

$$\begin{aligned} & ((-4.4)^2 - (-2.1)) \times 2.5 \\ & = (19.36 - (-2.1)) \times 2.5 \\ & = 21.46 \times 2.5 \\ & = 53.65 \end{aligned}$$

$$\begin{aligned} & 6.2 \times 5.6 + (-2.5)^2 \\ & = 6.2 \times 5.6 + 6.25 \\ & = 34.72 + 6.25 \\ & = 40.97 \end{aligned}$$

$$\begin{aligned} & (-7.4) - (8.1)^2 \div 1.5 \\ & = (-7.4) - 65.61 \div 1.5 \\ & = (-7.4) - 43.74 \\ & = -51.14 \end{aligned}$$

$$\begin{aligned} & (-2.3) \times 0.6 - (9.3)^2 \\ & = (-2.3) \times 0.6 - 86.49 \\ & = (-1.38) - 86.49 \\ & = -87.87 \end{aligned}$$

$$\begin{aligned} & (4.3)^2 - (-3.3) \times (-8.2) \\ & = 18.49 - (-3.3) \times (-8.2) \\ & = 18.49 - 27.06 \\ & = -8.57 \end{aligned}$$

$$\begin{aligned} & (7.1)^2 - 2.1 \times 8.2 \\ & = 50.41 - 2.1 \times 8.2 \\ & = 50.41 - 17.22 \\ & = 33.19 \end{aligned}$$

$$\begin{aligned} & (-6.3)^2 + 0.8 \times 5.5 \\ & = 39.69 + 0.8 \times 5.5 \\ & = 39.69 + 4.4 \\ & = 44.09 \end{aligned}$$

$$\begin{aligned} & (0.1 + (-3.7)^2) \div (-3.5) \\ & = (0.1 + 13.69) \div (-3.5) \\ & = 13.79 \div (-3.5) \\ & = -3.94 \end{aligned}$$