

Order of Operations with Decimals (E)

Name: _____

Date: _____

Solve each expression using the correct order of operations.

$$1.4 \times (-9.7) - (4.2)^2$$

$$(-0.1) - 4.8 \times (1.5)^2$$

$$(6.5)^2 \div 2.5 + (-7.5)$$

$$(-5.8)^2 - (-3.3) \times (-3.4)$$

$$(7.9 - 8.1) \times (-1.5)^2$$

$$\left((4.1)^2 - 2.5 \right) \div 0.5$$

$$(-7.2)^2 + (-1.4) \times (-9.5)$$

$$(-1.9)^2 - (-4.1) \times (-9.1)$$

$$(-3.5) \times (2.2)^2 - 1.1$$

$$(-6.6) \times \left((1.5)^2 + (-9.2) \right)$$

Order of Operations with Decimals (E) Answers

Name: _____

Date: _____

Solve each expression using the correct order of operations.

$$\begin{aligned} & 1.4 \times (-9.7) - (4.2)^2 \\ & = 1.4 \times (-9.7) - 17.64 \\ & = (-13.58) - 17.64 \\ & = -31.22 \end{aligned}$$

$$\begin{aligned} & (-0.1) - 4.8 \times (1.5)^2 \\ & = (-0.1) - 4.8 \times 2.25 \\ & = (-0.1) - 10.8 \\ & = -10.9 \end{aligned}$$

$$\begin{aligned} & (6.5)^2 \div 2.5 + (-7.5) \\ & = 42.25 \div 2.5 + (-7.5) \\ & = 16.9 + (-7.5) \\ & = 9.4 \end{aligned}$$

$$\begin{aligned} & (-5.8)^2 - (-3.3) \times (-3.4) \\ & = 33.64 - (-3.3) \times (-3.4) \\ & = 33.64 - 11.22 \\ & = 22.42 \end{aligned}$$

$$\begin{aligned} & (7.9 - 8.1) \times (-1.5)^2 \\ & = (-0.2) \times (-1.5)^2 \\ & = (-0.2) \times 2.25 \\ & = -0.45 \end{aligned}$$

$$\begin{aligned} & ((4.1)^2 - 2.5) \div 0.5 \\ & = (16.81 - 2.5) \div 0.5 \\ & = 14.31 \div 0.5 \\ & = 28.62 \end{aligned}$$

$$\begin{aligned} & (-7.2)^2 + (-1.4) \times (-9.5) \\ & = 51.84 + (-1.4) \times (-9.5) \\ & = 51.84 + 13.3 \\ & = 65.14 \end{aligned}$$

$$\begin{aligned} & (-1.9)^2 - (-4.1) \times (-9.1) \\ & = 3.61 - (-4.1) \times (-9.1) \\ & = 3.61 - 37.31 \\ & = -33.7 \end{aligned}$$

$$\begin{aligned} & (-3.5) \times (2.2)^2 - 1.1 \\ & = (-3.5) \times 4.84 - 1.1 \\ & = (-16.94) - 1.1 \\ & = -18.04 \end{aligned}$$

$$\begin{aligned} & (-6.6) \times ((1.5)^2 + (-9.2)) \\ & = (-6.6) \times (2.25 + (-9.2)) \\ & = (-6.6) \times (-6.95) \\ & = 45.87 \end{aligned}$$