

Order of Operations with Decimals (A)

Name: _____

Date: _____

Solve each expression using the correct order of operations.

$$(-7.5)^2 + (-5.3) \times (-1.9)$$

$$2.8 \times (-5.6) - (-7.5)^2$$

$$(-4.7)^2 + 8.5 \times (-9.6)$$

$$(8.2 + (-1.9))^2 \div (-2.7)$$

$$(-5.4) - (-4.6)^2 \times (-2.5)$$

$$(3.9)^2 - 5.7 \times 7.8$$

$$6.7 \times (-4.1) - (0.5)^2$$

$$(-1.6)^2 - (-6.7) \times (-8.8)$$

$$(-3.7) \times (-2.9) - (-9.4)^2$$

$$(-7.6) \times (-4.5) + (-1.7)^2$$

Order of Operations with Decimals (A) Answers

Name: _____

Date: _____

Solve each expression using the correct order of operations.

$$\begin{aligned} & \underline{(-7.5)^2} + (-5.3) \times (-1.9) \\ & = 56.25 + \underline{(-5.3) \times (-1.9)} \\ & = \underline{56.25 + 10.07} \\ & = 66.32 \end{aligned}$$

$$\begin{aligned} & 2.8 \times (-5.6) - \underline{(-7.5)^2} \\ & = \underline{2.8 \times (-5.6)} - 56.25 \\ & = \underline{(-15.68) - 56.25} \\ & = -71.93 \end{aligned}$$

$$\begin{aligned} & \underline{(-4.7)^2} + 8.5 \times (-9.6) \\ & = 22.09 + \underline{8.5 \times (-9.6)} \\ & = \underline{22.09 + (-81.6)} \\ & = -59.51 \end{aligned}$$

$$\begin{aligned} & \left(\underline{8.2 + (-1.9)} \right)^2 \div (-2.7) \\ & = \underline{(6.3)^2} \div (-2.7) \\ & = \underline{39.69} \div (-2.7) \\ & = -14.7 \end{aligned}$$

$$\begin{aligned} & (-5.4) - \underline{(-4.6)^2} \times (-2.5) \\ & = (-5.4) - \underline{21.16 \times (-2.5)} \\ & = \underline{(-5.4) - (-52.9)} \\ & = 47.5 \end{aligned}$$

$$\begin{aligned} & \underline{(3.9)^2} - 5.7 \times 7.8 \\ & = 15.21 - \underline{5.7 \times 7.8} \\ & = \underline{15.21 - 44.46} \\ & = -29.25 \end{aligned}$$

$$\begin{aligned} & 6.7 \times (-4.1) - \underline{(0.5)^2} \\ & = \underline{6.7 \times (-4.1)} - 0.25 \\ & = \underline{(-27.47) - 0.25} \\ & = -27.72 \end{aligned}$$

$$\begin{aligned} & \underline{(-1.6)^2} - (-6.7) \times (-8.8) \\ & = 2.56 - \underline{(-6.7) \times (-8.8)} \\ & = \underline{2.56 - 58.96} \\ & = -56.4 \end{aligned}$$

$$\begin{aligned} & (-3.7) \times (-2.9) - \underline{(-9.4)^2} \\ & = \underline{(-3.7) \times (-2.9)} - 88.36 \\ & = \underline{10.73 - 88.36} \\ & = -77.63 \end{aligned}$$

$$\begin{aligned} & (-7.6) \times (-4.5) + \underline{(-1.7)^2} \\ & = \underline{(-7.6) \times (-4.5)} + 2.89 \\ & = \underline{34.2 + 2.89} \\ & = 37.09 \end{aligned}$$