

Order of Operations with Decimals (A)

Name: _____

Date: _____

Solve each expression using the correct order of operations.

$$1.4 \times ((-9.1) + 7.3 - (2.2)^2 \div (-8.8))$$

$$(-9.6)^2 + (-5.4) \div 1.8 \times (8.3 - 0.6)$$

$$5.7 + (-0.9) \div ((-4.3) - (-4.9)) \times (2.4)^2$$

$$((-7.4) \times (-0.1) - (-6.8)^2) \div (7.3 + (-4.7))$$

$$(-2.4)^2 \div (2.5 + 2.2 - 6.3) \times 4.7$$

$$((-4.2) \times 2.4) \div 1.8 - (-4.8)^2 + 1.4$$

Order of Operations with Decimals (A) Answers

Name: _____

Date: _____

Solve each expression using the correct order of operations.

$$\begin{aligned} & 1.4 \times \left((-9.1) + 7.3 - \underline{(2.2)^2} \div (-8.8) \right) \\ &= 1.4 \times \left((-9.1) + 7.3 - \underline{4.84 \div (-8.8)} \right) \\ &= 1.4 \times \left(\underline{(-9.1) + 7.3} - (-0.55) \right) \\ &= 1.4 \times \left(\underline{(-1.8) - (-0.55)} \right) \\ &= \underline{1.4 \times (-1.25)} \\ &= -1.75 \end{aligned}$$

$$\begin{aligned} & (-9.6)^2 + (-5.4) \div 1.8 \times \underline{(8.3 - 0.6)} \\ &= \underline{(-9.6)^2} + (-5.4) \div 1.8 \times 7.7 \\ &= 92.16 + \underline{(-5.4) \div 1.8} \times 7.7 \\ &= 92.16 + \underline{(-3) \times 7.7} \\ &= \underline{92.16 + (-23.1)} \\ &= 69.06 \end{aligned}$$

$$\begin{aligned} & 5.7 + (-0.9) \div \left(\underline{(-4.3) - (-4.9)} \right) \times (2.4)^2 \\ &= 5.7 + (-0.9) \div 0.6 \times \underline{(2.4)^2} \\ &= 5.7 + \underline{(-0.9) \div 0.6} \times 5.76 \\ &= 5.7 + \underline{(-1.5) \times 5.76} \\ &= \underline{5.7 + (-8.64)} \\ &= -2.94 \end{aligned}$$

$$\begin{aligned} & \left((-7.4) \times (-0.1) - \underline{(-6.8)^2} \right) \div (7.3 + (-4.7)) \\ &= \left(\underline{(-7.4) \times (-0.1)} - 46.24 \right) \div (7.3 + (-4.7)) \\ &= \underline{(0.74 - 46.24)} \div (7.3 + (-4.7)) \\ &= (-45.5) \div \left(\underline{7.3 + (-4.7)} \right) \\ &= \underline{(-45.5) \div 2.6} \\ &= -17.5 \end{aligned}$$

$$\begin{aligned} & (-2.4)^2 \div \underline{(2.5 + 2.2 - 6.3)} \times 4.7 \\ &= (-2.4)^2 \div \underline{(4.7 - 6.3)} \times 4.7 \\ &= \underline{(-2.4)^2} \div (-1.6) \times 4.7 \\ &= \underline{5.76 \div (-1.6)} \times 4.7 \\ &= \underline{(-3.6) \times 4.7} \\ &= -16.92 \end{aligned}$$

$$\begin{aligned} & \left(\underline{(-4.2) \times 2.4} \right) \div 1.8 - (-4.8)^2 + 1.4 \\ &= (-10.08) \div 1.8 - \underline{(-4.8)^2} + 1.4 \\ &= \underline{(-10.08) \div 1.8} - 23.04 + 1.4 \\ &= \underline{(-5.6) - 23.04} + 1.4 \\ &= \underline{(-28.64) + 1.4} \\ &= -27.24 \end{aligned}$$

Order of Operations with Decimals (B)

Name: _____

Date: _____

Solve each expression using the correct order of operations.

$$(3.3)^2 \div 5.5 \times (5.4 - (-8.7) + 5.9)$$

$$\left((2.5)^2 \div (9.1 - 2.2 + 5.6) \right) \times 4.3$$

$$(-7.7)^2 \div ((-0.5) \times 5.6 + (-2.4) - (-0.3))$$

$$(2.4 + 3.6 \times (-9.4) - (-3.6)^2) \div 0.6$$

$$(((-0.8) + 8.6) \div (-1.3)) \times (-8.6) - (7.6)^2$$

$$\left((3.6)^2 - 5.1 \div (4.1 + (-6.6)) \right) \times (-2.3)$$

Order of Operations with Decimals (B) Answers

Name: _____

Date: _____

Solve each expression using the correct order of operations.

$$\begin{aligned}(3.3)^2 \div 5.5 \times (5.4 - (-8.7) + 5.9) \\ &= (3.3)^2 \div 5.5 \times (14.1 + 5.9) \\ &= (3.3)^2 \div 5.5 \times 20 \\ &= 10.89 \div 5.5 \times 20 \\ &= 1.98 \times 20 \\ &= 39.6\end{aligned}$$

$$\begin{aligned}(2.5)^2 \div (9.1 - 2.2 + 5.6) \times 4.3 \\ &= ((2.5)^2 \div (6.9 + 5.6)) \times 4.3 \\ &= (2.5)^2 \div 12.5 \times 4.3 \\ &= (6.25 \div 12.5) \times 4.3 \\ &= 0.5 \times 4.3 \\ &= 2.15\end{aligned}$$

$$\begin{aligned}(-7.7)^2 \div ((-0.5) \times 5.6 + (-2.4) - (-0.3)) \\ &= (-7.7)^2 \div ((-2.8) + (-2.4) - (-0.3)) \\ &= (-7.7)^2 \div ((-5.2) - (-0.3)) \\ &= (-7.7)^2 \div (-4.9) \\ &= 59.29 \div (-4.9) \\ &= -12.1\end{aligned}$$

$$\begin{aligned}(2.4 + 3.6 \times (-9.4) - (-3.6)^2) \div 0.6 \\ &= (2.4 + 3.6 \times (-9.4) - 12.96) \div 0.6 \\ &= (2.4 + (-33.84) - 12.96) \div 0.6 \\ &= ((-31.44) - 12.96) \div 0.6 \\ &= (-44.4) \div 0.6 \\ &= -74\end{aligned}$$

$$\begin{aligned}(((-0.8) + 8.6) \div (-1.3)) \times (-8.6) - (7.6)^2 \\ &= (7.8 \div (-1.3)) \times (-8.6) - (7.6)^2 \\ &= (-6) \times (-8.6) - (7.6)^2 \\ &= (-6) \times (-8.6) - 57.76 \\ &= 51.6 - 57.76 \\ &= -6.16\end{aligned}$$

$$\begin{aligned}(3.6)^2 - 5.1 \div (4.1 + (-6.6)) \times (-2.3) \\ &= (3.6)^2 - 5.1 \div (-2.5) \times (-2.3) \\ &= (12.96 - 5.1 \div (-2.5)) \times (-2.3) \\ &= (12.96 - (-2.04)) \times (-2.3) \\ &= 15 \times (-2.3) \\ &= -34.5\end{aligned}$$

Order of Operations with Decimals (C)

Name: _____

Date: _____

Solve each expression using the correct order of operations.

$$(-5.7) \times (2.9 - 2.3 + (-2.8)^2 \div (-1.6))$$

$$2.2 \times ((-2.7) + 7.9 - 8.7)^2 \div 1.4$$

$$((-8.8) \div 8.8 - (-6.6)^2) \times (5.3 + (-4.8))$$

$$(0.4 \times (-1.5)) \div (-0.5) + 7.8 - (6.2)^2$$

$$((-5.1) \div (-0.6)) \times 1.5 - 1.4 + (-0.7)^2$$

$$(6.2 \times 8.7 + 6.6 - (1.3)^2) \div (-2.5)$$

Order of Operations with Decimals (C) Answers

Name: _____

Date: _____

Solve each expression using the correct order of operations.

$$\begin{aligned} & (-5.7) \times (2.9 - 2.3 + \underline{(-2.8)^2} \div (-1.6)) \\ &= (-5.7) \times (2.9 - 2.3 + \underline{7.84 \div (-1.6)}) \\ &= (-5.7) \times (\underline{2.9 - 2.3} + (-4.9)) \\ &= (-5.7) \times (\underline{0.6 + (-4.9)}) \\ &= \underline{(-5.7) \times (-4.3)} \\ &= \underline{24.51} \end{aligned}$$

$$\begin{aligned} & 2.2 \times (\underline{(-2.7) + 7.9} - 8.7)^2 \div 1.4 \\ &= 2.2 \times (\underline{5.2 - 8.7})^2 \div 1.4 \\ &= 2.2 \times \underline{(-3.5)^2} \div 1.4 \\ &= \underline{2.2 \times 12.25} \div 1.4 \\ &= \underline{26.95 \div 1.4} \\ &= \underline{19.25} \end{aligned}$$

$$\begin{aligned} & ((-8.8) \div 8.8 - \underline{(-6.6)^2}) \times (5.3 + (-4.8)) \\ &= (\underline{(-8.8) \div 8.8} - 43.56) \times (5.3 + (-4.8)) \\ &= (\underline{(-1) - 43.56}) \times (5.3 + (-4.8)) \\ &= (-44.56) \times (\underline{5.3 + (-4.8)}) \\ &= \underline{(-44.56) \times 0.5} \\ &= \underline{-22.28} \end{aligned}$$

$$\begin{aligned} & (\underline{0.4 \times (-1.5)}) \div (-0.5) + 7.8 - (6.2)^2 \\ &= (-0.6) \div (-0.5) + 7.8 - \underline{(6.2)^2} \\ &= \underline{(-0.6) \div (-0.5)} + 7.8 - 38.44 \\ &= \underline{1.2 + 7.8} - 38.44 \\ &= \underline{9 - 38.44} \\ &= \underline{-29.44} \end{aligned}$$

$$\begin{aligned} & (\underline{(-5.1) \div (-0.6)}) \times 1.5 - 1.4 + (-0.7)^2 \\ &= 8.5 \times 1.5 - 1.4 + \underline{(-0.7)^2} \\ &= \underline{8.5 \times 1.5} - 1.4 + 0.49 \\ &= \underline{12.75 - 1.4} + 0.49 \\ &= \underline{11.35 + 0.49} \\ &= \underline{11.84} \end{aligned}$$

$$\begin{aligned} & (6.2 \times 8.7 + 6.6 - \underline{(1.3)^2}) \div (-2.5) \\ &= (\underline{6.2 \times 8.7} + 6.6 - 1.69) \div (-2.5) \\ &= (\underline{53.94 + 6.6} - 1.69) \div (-2.5) \\ &= (\underline{60.54 - 1.69}) \div (-2.5) \\ &= \underline{58.85 \div (-2.5)} \\ &= \underline{-23.54} \end{aligned}$$

Order of Operations with Decimals (D)

Name: _____

Date: _____

Solve each expression using the correct order of operations.

$$\left((-2.5) + (0.9)^2 - 3.2\right) \div ((-0.5) \times (-0.4)) \quad (7.6 \div ((-7.2) + 8.8)) \times (4.2)^2 - 0.3$$

$$\left((-6.9) + (-4.1)\right) \div (-0.4)^2 - 2.7 \times 6.8 \quad 1.25 \div (0.5)^2 \times (5.3 - 6.8 + (-8.7))$$

$$(-3.1)^2 - 6.8 \times ((-5.7) \div (-0.4) + (-8.7)) \quad (-0.8) \div \left((-0.2)^2 - (-7.8) \times (-0.3) + 0.7\right)$$

Order of Operations with Decimals (D) Answers

Name: _____

Date: _____

Solve each expression using the correct order of operations.

$$\begin{aligned} & ((-2.5) + \underline{(0.9)^2} - 3.2) \div ((-0.5) \times (-0.4)) && (7.6 \div \underline{((-7.2) + 8.8)}) \times (4.2)^2 - 0.3 \\ & = \underline{((-2.5) + 0.81 - 3.2)} \div ((-0.5) \times (-0.4)) && = \underline{(7.6 \div 1.6)} \times (4.2)^2 - 0.3 \\ & = \underline{((-1.69) - 3.2)} \div ((-0.5) \times (-0.4)) && = 4.75 \times \underline{(4.2)^2} - 0.3 \\ & = (-4.89) \div \underline{((-0.5) \times (-0.4))} && = \underline{4.75 \times 17.64} - 0.3 \\ & = \underline{(-4.89) \div 0.2} && = \underline{83.79 - 0.3} \\ & = -24.45 && = 83.49 \end{aligned}$$

$$\begin{aligned} & \underline{((-6.9) + (-4.1))} \div (-0.4)^2 - 2.7 \times 6.8 && 1.25 \div (0.5)^2 \times \underline{(5.3 - 6.8)} + (-8.7) \\ & = (-11) \div \underline{(-0.4)^2} - 2.7 \times 6.8 && = 1.25 \div (0.5)^2 \times \underline{((-1.5) + (-8.7))} \\ & = \underline{(-11) \div 0.16} - 2.7 \times 6.8 && = 1.25 \div \underline{(0.5)^2} \times (-10.2) \\ & = (-68.75) - \underline{2.7 \times 6.8} && = \underline{1.25 \div 0.25} \times (-10.2) \\ & = \underline{(-68.75) - 18.36} && = \underline{5 \times (-10.2)} \\ & = -87.11 && = -51 \end{aligned}$$

$$\begin{aligned} & (-3.1)^2 - 6.8 \times \underline{((-5.7) \div (-0.4))} + (-8.7) && (-0.8) \div \underline{((-0.2)^2} - (-7.8) \times (-0.3) + 0.7) \\ & = (-3.1)^2 - 6.8 \times \underline{(14.25 + (-8.7))} && = (-0.8) \div (0.04 - \underline{(-7.8) \times (-0.3)} + 0.7) \\ & = \underline{(-3.1)^2} - 6.8 \times 5.55 && = (-0.8) \div \underline{(0.04 - 2.34 + 0.7)} \\ & = 9.61 - \underline{6.8 \times 5.55} && = (-0.8) \div \underline{((-2.3) + 0.7)} \\ & = \underline{9.61 - 37.74} && = \underline{(-0.8) \div (-1.6)} \\ & = -28.13 && = 0.5 \end{aligned}$$

Order of Operations with Decimals (E)

Name: _____

Date: _____

Solve each expression using the correct order of operations.

$$(0.5 - (-8.7) \times (-8.3)) \div ((0.6)^2 + (-4.4)) \quad 9.9 + (-7.5) \times ((-3.5) \div 0.7 - (0.4)^2)$$

$$1.8 \div 2.4 \times (7.1 - (1.6)^2 + (-3.1))$$

$$((1.8)^2 \div 7.2 + (-6.8) - (-7.2)) \times (-4.6)$$

$$((-4.1) - (-7.1)) \div (0.4)^2 + 4.7 \times 5.3$$

$$(-7.5)^2 \times ((-6.6) \div (8.3 - (-4.9) + (-8.2)))$$

Order of Operations with Decimals (E) Answers

Name: _____

Date: _____

Solve each expression using the correct order of operations.

$$\begin{aligned} & (0.5 - (-8.7) \times (-8.3)) \div ((0.6)^2 + (-4.4)) \\ &= (0.5 - 72.21) \div ((0.6)^2 + (-4.4)) \\ &= (-71.71) \div ((0.6)^2 + (-4.4)) \\ &= (-71.71) \div (0.36 + (-4.4)) \\ &= (-71.71) \div (-4.04) \\ &= 17.75 \end{aligned}$$

$$\begin{aligned} & 9.9 + (-7.5) \times ((-3.5) \div 0.7 - (0.4)^2) \\ &= 9.9 + (-7.5) \times ((-3.5) \div 0.7 - 0.16) \\ &= 9.9 + (-7.5) \times ((-5) - 0.16) \\ &= 9.9 + (-7.5) \times (-5.16) \\ &= 9.9 + 38.7 \\ &= 48.6 \end{aligned}$$

$$\begin{aligned} & 1.8 \div 2.4 \times (7.1 - (1.6)^2 + (-3.1)) \\ &= 1.8 \div 2.4 \times (7.1 - 2.56 + (-3.1)) \\ &= 1.8 \div 2.4 \times (4.54 + (-3.1)) \\ &= 1.8 \div 2.4 \times 1.44 \\ &= 0.75 \times 1.44 \\ &= 1.08 \end{aligned}$$

$$\begin{aligned} & ((1.8)^2 \div 7.2 + (-6.8) - (-7.2)) \times (-4.6) \\ &= (3.24 \div 7.2 + (-6.8) - (-7.2)) \times (-4.6) \\ &= (0.45 + (-6.8) - (-7.2)) \times (-4.6) \\ &= ((-6.35) - (-7.2)) \times (-4.6) \\ &= 0.85 \times (-4.6) \\ &= -3.91 \end{aligned}$$

$$\begin{aligned} & ((-4.1) - (-7.1)) \div (0.4)^2 + 4.7 \times 5.3 \\ &= 3 \div (0.4)^2 + 4.7 \times 5.3 \\ &= 3 \div 0.16 + 4.7 \times 5.3 \\ &= 18.75 + 4.7 \times 5.3 \\ &= 18.75 + 24.91 \\ &= 43.66 \end{aligned}$$

$$\begin{aligned} & (-7.5)^2 \times ((-6.6) \div (8.3 - (-4.9) + (-8.2))) \\ &= (-7.5)^2 \times ((-6.6) \div (13.2 + (-8.2))) \\ &= (-7.5)^2 \times ((-6.6) \div 5) \\ &= (-7.5)^2 \times (-1.32) \\ &= 56.25 \times (-1.32) \\ &= -74.25 \end{aligned}$$

Order of Operations with Decimals (F)

Name: _____

Date: _____

Solve each expression using the correct order of operations.

$$\left((8.3)^2 \div (-8.3) - 8.5 \right) \times ((-5.8) + 2.6) \quad \left(9.8 - 5.7 \times 4.6 + (8.2)^2 \right) \div (-5.5)$$

$$(2.4 \times (-6.9)) \div (-1.6) + (-5.6) - (-3.3)^2 \quad (2.1 \times (-4.1) + (-0.2) - 8.3) \div (0.5)^2$$

$$(-0.3)^2 + 2.4 \times (3.8 - 1.25) \div (-5.1) \quad \left((6.8)^2 \div 3.4 \right) \times (0.5 + 3.3 - 5.1)$$

Order of Operations with Decimals (F) Answers

Name: _____

Date: _____

Solve each expression using the correct order of operations.

$$\begin{aligned} & \left((8.3)^2 \div (-8.3) - 8.5 \right) \times ((-5.8) + 2.6) \\ &= \left(68.89 \div (-8.3) - 8.5 \right) \times ((-5.8) + 2.6) \\ &= \left((-8.3) - 8.5 \right) \times ((-5.8) + 2.6) \\ &= (-16.8) \times ((-5.8) + 2.6) \\ &= (-16.8) \times (-3.2) \\ &= 53.76 \end{aligned}$$

$$\begin{aligned} & \left(9.8 - 5.7 \times 4.6 + (8.2)^2 \right) \div (-5.5) \\ &= (9.8 - 5.7 \times 4.6 + 67.24) \div (-5.5) \\ &= (9.8 - 26.22 + 67.24) \div (-5.5) \\ &= \left((-16.42) + 67.24 \right) \div (-5.5) \\ &= 50.82 \div (-5.5) \\ &= -9.24 \end{aligned}$$

$$\begin{aligned} & \left(2.4 \times (-6.9) \right) \div (-1.6) + (-5.6) - (-3.3)^2 \\ &= (-16.56) \div (-1.6) + (-5.6) - (-3.3)^2 \\ &= (-16.56) \div (-1.6) + (-5.6) - 10.89 \\ &= 10.35 + (-5.6) - 10.89 \\ &= 4.75 - 10.89 \\ &= -6.14 \end{aligned}$$

$$\begin{aligned} & \left(2.1 \times (-4.1) + (-0.2) - 8.3 \right) \div (0.5)^2 \\ &= \left((-8.61) + (-0.2) - 8.3 \right) \div (0.5)^2 \\ &= \left((-8.81) - 8.3 \right) \div (0.5)^2 \\ &= (-17.11) \div (0.5)^2 \\ &= (-17.11) \div 0.25 \\ &= -68.44 \end{aligned}$$

$$\begin{aligned} & (-0.3)^2 + 2.4 \times (3.8 - 1.25) \div (-5.1) \\ &= (-0.3)^2 + 2.4 \times 2.55 \div (-5.1) \\ &= 0.09 + 2.4 \times 2.55 \div (-5.1) \\ &= 0.09 + 6.12 \div (-5.1) \\ &= 0.09 + (-1.2) \\ &= -1.11 \end{aligned}$$

$$\begin{aligned} & \left((6.8)^2 \div 3.4 \right) \times (0.5 + 3.3 - 5.1) \\ &= (46.24 \div 3.4) \times (0.5 + 3.3 - 5.1) \\ &= 13.6 \times (0.5 + 3.3 - 5.1) \\ &= 13.6 \times (3.8 - 5.1) \\ &= 13.6 \times (-1.3) \\ &= -17.68 \end{aligned}$$

Order of Operations with Decimals (G)

Name: _____

Date: _____

Solve each expression using the correct order of operations.

$$((-9.8) - (-7.8) + 8.6)^2 \div (1.1 \times 4.5)$$

$$((-5.2) \div (-0.4)) \times 2.3 + 2.7 - (-0.9)^2$$

$$((-3.4) + (-7.9)) \times (-3.7) \div 7.4 - (-2.8)^2$$

$$\left((-0.7) \times (-0.3) - (1.9)^2 \right) \div 0.8 + 7.2$$

$$8.3 + (-1.1) \div (-2.2) \times ((-3.1) - 6.3)^2$$

$$\left(7.1 \times 3.7 - (-4.5)^2 + 0.7 \right) \div (-0.6)$$

Order of Operations with Decimals (G) Answers

Name: _____

Date: _____

Solve each expression using the correct order of operations.

$$\begin{aligned} & \left(\underline{(-9.8) - (-7.8)} + 8.6 \right)^2 \div (1.1 \times 4.5) \\ & = \left(\underline{(-2) + 8.6} \right)^2 \div (1.1 \times 4.5) \\ & = (6.6)^2 \div \underline{(1.1 \times 4.5)} \\ & = \underline{(6.6)^2} \div 4.95 \\ & = \underline{43.56 \div 4.95} \\ & = 8.8 \end{aligned}$$

$$\begin{aligned} & \left(\underline{(-5.2) \div (-0.4)} \right) \times 2.3 + 2.7 - (-0.9)^2 \\ & = 13 \times 2.3 + 2.7 - \underline{(-0.9)^2} \\ & = \underline{13 \times 2.3} + 2.7 - 0.81 \\ & = \underline{29.9 + 2.7} - 0.81 \\ & = \underline{32.6 - 0.81} \\ & = 31.79 \end{aligned}$$

$$\begin{aligned} & \left(\underline{(-3.4) + (-7.9)} \right) \times (-3.7) \div 7.4 - (-2.8)^2 \\ & = (-11.3) \times (-3.7) \div 7.4 - \underline{(-2.8)^2} \\ & = \underline{(-11.3) \times (-3.7)} \div 7.4 - 7.84 \\ & = \underline{41.81 \div 7.4} - 7.84 \\ & = \underline{5.65 - 7.84} \\ & = -2.19 \end{aligned}$$

$$\begin{aligned} & \left((-0.7) \times (-0.3) - \underline{(1.9)^2} \right) \div 0.8 + 7.2 \\ & = \left(\underline{(-0.7) \times (-0.3)} - 3.61 \right) \div 0.8 + 7.2 \\ & = \underline{(0.21 - 3.61)} \div 0.8 + 7.2 \\ & = \underline{(-3.4) \div 0.8} + 7.2 \\ & = \underline{(-4.25) + 7.2} \\ & = 2.95 \end{aligned}$$

$$\begin{aligned} & 8.3 + (-1.1) \div (-2.2) \times \left(\underline{(-3.1) - 6.3} \right)^2 \\ & = 8.3 + (-1.1) \div (-2.2) \times \underline{(-9.4)^2} \\ & = 8.3 + \underline{(-1.1) \div (-2.2)} \times 88.36 \\ & = 8.3 + \underline{0.5 \times 88.36} \\ & = \underline{8.3 + 44.18} \\ & = 52.48 \end{aligned}$$

$$\begin{aligned} & \left(7.1 \times 3.7 - \underline{(-4.5)^2} + 0.7 \right) \div (-0.6) \\ & = \underline{(7.1 \times 3.7 - 20.25 + 0.7)} \div (-0.6) \\ & = \underline{(26.27 - 20.25 + 0.7)} \div (-0.6) \\ & = \underline{(6.02 + 0.7)} \div (-0.6) \\ & = \underline{6.72 \div (-0.6)} \\ & = -11.2 \end{aligned}$$

Order of Operations with Decimals (H)

Name: _____

Date: _____

Solve each expression using the correct order of operations.

$$(9.7)^2 + 4.3 \times (4.6 \div (-2.3) - 3.9)$$

$$((-8.5) - (-6.6) + (-9.6)) \times 1.8 \div (-0.6)^2$$

$$(1.25 - (0.9)^2 + (-2.8)) \times (3.75 \div (-0.5))$$

$$(8.5 - (-4.2) \times (-2.1) + (0.4)^2) \div (-3.2)$$

$$((-7.2) + 3.5 \times 5.8 - 9.2)^2 \div 4.5$$

$$(2.8)^2 \div (3.1 - (-2.5)) \times ((-5.4) + 1.7)$$

Order of Operations with Decimals (H) Answers

Name: _____

Date: _____

Solve each expression using the correct order of operations.

$$\begin{aligned}(9.7)^2 + 4.3 \times (4.6 \div (-2.3) - 3.9) \\ &= (9.7)^2 + 4.3 \times ((-2) - 3.9) \\ &= (9.7)^2 + 4.3 \times (-5.9) \\ &= 94.09 + 4.3 \times (-5.9) \\ &= 94.09 + (-25.37) \\ &= 68.72\end{aligned}$$

$$\begin{aligned}((-8.5) - (-6.6) + (-9.6)) \times 1.8 \div (-0.6)^2 \\ &= ((-1.9) + (-9.6)) \times 1.8 \div (-0.6)^2 \\ &= (-11.5) \times 1.8 \div (-0.6)^2 \\ &= (-11.5) \times 1.8 \div 0.36 \\ &= (-20.7) \div 0.36 \\ &= -57.5\end{aligned}$$

$$\begin{aligned}(1.25 - (0.9)^2 + (-2.8)) \times (3.75 \div (-0.5)) \\ &= (1.25 - 0.81 + (-2.8)) \times (3.75 \div (-0.5)) \\ &= (0.44 + (-2.8)) \times (3.75 \div (-0.5)) \\ &= (-2.36) \times (3.75 \div (-0.5)) \\ &= (-2.36) \times (-7.5) \\ &= 17.7\end{aligned}$$

$$\begin{aligned}(8.5 - (-4.2) \times (-2.1) + (0.4)^2) \div (-3.2) \\ &= (8.5 - (-4.2) \times (-2.1) + 0.16) \div (-3.2) \\ &= (8.5 - 8.82 + 0.16) \div (-3.2) \\ &= ((-0.32) + 0.16) \div (-3.2) \\ &= (-0.16) \div (-3.2) \\ &= 0.05\end{aligned}$$

$$\begin{aligned}((-7.2) + 3.5 \times 5.8 - 9.2)^2 \div 4.5 \\ &= ((-7.2) + 20.3 - 9.2)^2 \div 4.5 \\ &= (13.1 - 9.2)^2 \div 4.5 \\ &= (3.9)^2 \div 4.5 \\ &= 15.21 \div 4.5 \\ &= 3.38\end{aligned}$$

$$\begin{aligned}(2.8)^2 \div (3.1 - (-2.5)) \times ((-5.4) + 1.7) \\ &= (2.8)^2 \div 5.6 \times ((-5.4) + 1.7) \\ &= (2.8)^2 \div 5.6 \times (-3.7) \\ &= 7.84 \div 5.6 \times (-3.7) \\ &= 1.4 \times (-3.7) \\ &= -5.18\end{aligned}$$

Order of Operations with Decimals (I)

Name: _____

Date: _____

Solve each expression using the correct order of operations.

$$\left((1.8)^2 \div (-1.8) \right) \times ((-5.3) - 0.7 + (-7.7)) \quad \left(1.6 \div (-0.4)^2 - (-0.7) + (-5.5) \right) \times (-9.5)$$

$$\left((-1.8) + (1.8)^2 - (-3.8) \times (-9.6) \right) \div 0.5 \quad \left((-9.2) + 9.2 \right) \times 0.9^2 \div 1.1 - (-0.3)$$

$$(8.5)^2 - 4.9 \times ((-6.3) \div (-2.1) + 0.5) \quad 4.6 + (4.5)^2 \div (5.3 - 8.3) \times (-4.6)$$

Order of Operations with Decimals (I) Answers

Name: _____

Date: _____

Solve each expression using the correct order of operations.

$$\begin{aligned} & \left((1.8)^2 \div (-1.8) \right) \times ((-5.3) - 0.7 + (-7.7)) & \left(1.6 \div (-0.4)^2 - (-0.7) + (-5.5) \right) \times (-9.5) \\ & = \left(3.24 \div (-1.8) \right) \times ((-5.3) - 0.7 + (-7.7)) & = (1.6 \div 0.16 - (-0.7) + (-5.5)) \times (-9.5) \\ & = (-1.8) \times ((-5.3) - 0.7 + (-7.7)) & = (10 - (-0.7) + (-5.5)) \times (-9.5) \\ & = (-1.8) \times ((-6) + (-7.7)) & = (10.7 + (-5.5)) \times (-9.5) \\ & = (-1.8) \times (-13.7) & = 5.2 \times (-9.5) \\ & = 24.66 & = -49.4 \end{aligned}$$

$$\begin{aligned} & \left((-1.8) + (1.8)^2 - (-3.8) \times (-9.6) \right) \div 0.5 & \left(\left((-9.2) + 9.2 \right) \times 0.9 \right)^2 \div 1.1 - (-0.3) \\ & = \left((-1.8) + 3.24 - (-3.8) \times (-9.6) \right) \div 0.5 & = (0 \times 0.9)^2 \div 1.1 - (-0.3) \\ & = \left((-1.8) + 3.24 - 36.48 \right) \div 0.5 & = 0^2 \div 1.1 - (-0.3) \\ & = (1.44 - 36.48) \div 0.5 & = 0 \div 1.1 - (-0.3) \\ & = (-35.04) \div 0.5 & = 0 - (-0.3) \\ & = -70.08 & = 0.3 \end{aligned}$$

$$\begin{aligned} & (8.5)^2 - 4.9 \times \left((-6.3) \div (-2.1) + 0.5 \right) & 4.6 + (4.5)^2 \div (5.3 - 8.3) \times (-4.6) \\ & = (8.5)^2 - 4.9 \times (3 + 0.5) & = 4.6 + (4.5)^2 \div (-3) \times (-4.6) \\ & = (8.5)^2 - 4.9 \times 3.5 & = 4.6 + 20.25 \div (-3) \times (-4.6) \\ & = 72.25 - 4.9 \times 3.5 & = 4.6 + (-6.75) \times (-4.6) \\ & = 72.25 - 17.15 & = 4.6 + 31.05 \\ & = 55.1 & = 35.65 \end{aligned}$$

Order of Operations with Decimals (J)

Name: _____

Date: _____

Solve each expression using the correct order of operations.

$$(-7.4) \div (-3.7) \times \left((5.2)^2 - (-2.9) + (-7.7) \right) \quad (-8.5) - (-0.6) \times \left((-0.3) + (-1.2)^2 \div 3.6 \right)$$

$$4.4 + 8.2 \times \left((-2.6)^2 \div 1.3 - (-5.7) \right)$$

$$(-8.4) \times \left((-1.2) + 0.3 \right) \div \left((2.9)^2 - 8.2 \right)$$

$$\left((-7.2) - 8.9 \times 5.9 \right) \div (-3.5) + (-1.5)^2$$

$$\left(6.9 - (-4.6) \times (-0.4) + (3.8)^2 \right) \div (-6.5)$$

Order of Operations with Decimals (J) Answers

Name: _____

Date: _____

Solve each expression using the correct order of operations.

$$\begin{aligned} & (-7.4) \div (-3.7) \times \left((5.2)^2 - (-2.9) + (-7.7) \right) & (-8.5) - (-0.6) \times \left((-0.3) + (-1.2)^2 \div 3.6 \right) \\ & = (-7.4) \div (-3.7) \times \left(27.04 - (-2.9) + (-7.7) \right) & = (-8.5) - (-0.6) \times \left((-0.3) + 1.44 \div 3.6 \right) \\ & = (-7.4) \div (-3.7) \times \left(29.94 + (-7.7) \right) & = (-8.5) - (-0.6) \times \left((-0.3) + 0.4 \right) \\ & = \underline{(-7.4) \div (-3.7)} \times 22.24 & = (-8.5) - \underline{(-0.6) \times 0.1} \\ & = \underline{2 \times 22.24} & = \underline{(-8.5) - (-0.06)} \\ & = 44.48 & = -8.44 \end{aligned}$$

$$\begin{aligned} & 4.4 + 8.2 \times \left((-2.6)^2 \div 1.3 - (-5.7) \right) & (-8.4) \times \left((-1.2) + 0.3 \right) \div \left((2.9)^2 - 8.2 \right) \\ & = 4.4 + 8.2 \times \left(6.76 \div 1.3 - (-5.7) \right) & = (-8.4) \times (-0.9) \div \left((2.9)^2 - 8.2 \right) \\ & = 4.4 + 8.2 \times \left(5.2 - (-5.7) \right) & = (-8.4) \times (-0.9) \div (8.41 - 8.2) \\ & = 4.4 + \underline{8.2 \times 10.9} & = \underline{(-8.4) \times (-0.9)} \div 0.21 \\ & = \underline{4.4 + 89.38} & = \underline{7.56 \div 0.21} \\ & = 93.78 & = 36 \end{aligned}$$

$$\begin{aligned} & ((-7.2) - 8.9 \times 5.9) \div (-3.5) + (-1.5)^2 & (6.9 - (-4.6) \times (-0.4) + (3.8)^2) \div (-6.5) \\ & = \left((-7.2) - 52.51 \right) \div (-3.5) + (-1.5)^2 & = \left(6.9 - (-4.6) \times (-0.4) + 14.44 \right) \div (-6.5) \\ & = (-59.71) \div (-3.5) + \underline{(-1.5)^2} & = (6.9 - 1.84 + 14.44) \div (-6.5) \\ & = \underline{(-59.71) \div (-3.5)} + 2.25 & = (5.06 + 14.44) \div (-6.5) \\ & = \underline{17.06 + 2.25} & = \underline{19.5 \div (-6.5)} \\ & = 19.31 & = -3 \end{aligned}$$