

Order of Operations with Decimals (A)

Name: _____

Date: _____

Simplify 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: _____

Simplify each expression using the correct order of operations.

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

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

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

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

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

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

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

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

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

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

Order of Operations with Decimals (B)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

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

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

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

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

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

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

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

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

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

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

Order of Operations with Decimals (B) Answers

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

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

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

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

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

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

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

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

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

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

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

Order of Operations with Decimals (C)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$0.8 \div ((-8.3) + 9.1)^2$$

$$6.4 \times 0.5 + (3.3)^2$$

$$(2.6 + 3.9)^2 \times 0.8$$

$$((-1.5) + 8.7) \div (-0.3)^2$$

$$(2.2)^2 \times (-7.5) + 5.2$$

$$(7.5)^2 + 1.5 \times 6.4$$

$$(-2.8)^2 - 9.7 \times (-1.7)$$

$$(-1.6)^2 + 9.5 \times (-0.2)$$

$$0.8 \times (-0.5) - (-4.6)^2$$

$$(-5.6) \times (-7.9) - (9.9)^2$$

Order of Operations with Decimals (C) Answers

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$\begin{aligned} &0.8 \div \left(\underline{(-8.3) + 9.1} \right)^2 \\ &= 0.8 \div \underline{(0.8)^2} \\ &= \underline{0.8 \div 0.64} \\ &= 1.25 \end{aligned}$$

$$\begin{aligned} &6.4 \times 0.5 + \underline{(3.3)^2} \\ &= \underline{6.4 \times 0.5} + 10.89 \\ &= \underline{3.2 + 10.89} \\ &= 14.09 \end{aligned}$$

$$\begin{aligned} &\underline{(2.6 + 3.9)^2} \times 0.8 \\ &= \underline{(6.5)^2} \times 0.8 \\ &= \underline{42.25 \times 0.8} \\ &= 33.8 \end{aligned}$$

$$\begin{aligned} &\left(\underline{(-1.5) + 8.7} \right) \div (-0.3)^2 \\ &= 7.2 \div \underline{(-0.3)^2} \\ &= \underline{7.2 \div 0.09} \\ &= 80 \end{aligned}$$

$$\begin{aligned} &\underline{(2.2)^2} \times (-7.5) + 5.2 \\ &= \underline{4.84 \times (-7.5)} + 5.2 \\ &= \underline{(-36.3) + 5.2} \\ &= -31.1 \end{aligned}$$

$$\begin{aligned} &\underline{(7.5)^2} + 1.5 \times 6.4 \\ &= 56.25 + \underline{1.5 \times 6.4} \\ &= \underline{56.25 + 9.6} \\ &= 65.85 \end{aligned}$$

$$\begin{aligned} &\underline{(-2.8)^2} - 9.7 \times (-1.7) \\ &= 7.84 - \underline{9.7 \times (-1.7)} \\ &= \underline{7.84 - (-16.49)} \\ &= 24.33 \end{aligned}$$

$$\begin{aligned} &\underline{(-1.6)^2} + 9.5 \times (-0.2) \\ &= 2.56 + \underline{9.5 \times (-0.2)} \\ &= \underline{2.56 + (-1.9)} \\ &= 0.66 \end{aligned}$$

$$\begin{aligned} &0.8 \times (-0.5) - \underline{(-4.6)^2} \\ &= \underline{0.8 \times (-0.5)} - 21.16 \\ &= \underline{(-0.4) - 21.16} \\ &= -21.56 \end{aligned}$$

$$\begin{aligned} &(-5.6) \times (-7.9) - \underline{(9.9)^2} \\ &= \underline{(-5.6) \times (-7.9)} - 98.01 \\ &= \underline{44.24 - 98.01} \\ &= -53.77 \end{aligned}$$

Order of Operations with Decimals (D)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$(2.8 - 4.4) \times (-3.5)^2$$

$$(3.4)^2 - 4.4 \times (-9.2)$$

$$(6.5 + (-7.9)) \div (-0.4)^2$$

$$((-3.6) + 3.6) \div (-9.3)^2$$

$$5.3 \times 7.8 - (5.6)^2$$

$$(-7.8)^2 \div 1.2 + (-7.2)$$

$$(2.2)^2 - (-3.6) \div 0.4$$

$$(3.4)^2 \times ((-4.3) + (-1.7))$$

$$6.5 \times 1.8 - (-0.3)^2$$

$$(5.6 - (3.2)^2) \times 4.8$$

Order of Operations with Decimals (D) Answers

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$\begin{aligned} & \underline{(2.8 - 4.4)} \times (-3.5)^2 \\ & = (-1.6) \times \underline{(-3.5)^2} \\ & = \underline{(-1.6) \times 12.25} \\ & = -19.6 \end{aligned}$$

$$\begin{aligned} & \underline{(3.4)^2} - 4.4 \times (-9.2) \\ & = 11.56 - \underline{4.4 \times (-9.2)} \\ & = \underline{11.56 - (-40.48)} \\ & = 52.04 \end{aligned}$$

$$\begin{aligned} & \underline{(6.5 + (-7.9))} \div (-0.4)^2 \\ & = (-1.4) \div \underline{(-0.4)^2} \\ & = \underline{(-1.4) \div 0.16} \\ & = -8.75 \end{aligned}$$

$$\begin{aligned} & \underline{((-3.6) + 3.6)} \div (-9.3)^2 \\ & = 0 \div \underline{(-9.3)^2} \\ & = \underline{0 \div 86.49} \\ & = 0 \end{aligned}$$

$$\begin{aligned} & 5.3 \times 7.8 - \underline{(5.6)^2} \\ & = \underline{5.3 \times 7.8} - 31.36 \\ & = \underline{41.34 - 31.36} \\ & = 9.98 \end{aligned}$$

$$\begin{aligned} & \underline{(-7.8)^2} \div 1.2 + (-7.2) \\ & = \underline{60.84 \div 1.2} + (-7.2) \\ & = \underline{50.7 + (-7.2)} \\ & = 43.5 \end{aligned}$$

$$\begin{aligned} & \underline{(2.2)^2} - (-3.6) \div 0.4 \\ & = 4.84 - \underline{(-3.6) \div 0.4} \\ & = \underline{4.84 - (-9)} \\ & = 13.84 \end{aligned}$$

$$\begin{aligned} & (3.4)^2 \times \underline{((-4.3) + (-1.7))} \\ & = \underline{(3.4)^2} \times (-6) \\ & = \underline{11.56 \times (-6)} \\ & = -69.36 \end{aligned}$$

$$\begin{aligned} & 6.5 \times 1.8 - \underline{(-0.3)^2} \\ & = \underline{6.5 \times 1.8} - 0.09 \\ & = \underline{11.7 - 0.09} \\ & = 11.61 \end{aligned}$$

$$\begin{aligned} & (5.6 - \underline{(3.2)^2}) \times 4.8 \\ & = \underline{(5.6 - 10.24)} \times 4.8 \\ & = \underline{(-4.64) \times 4.8} \\ & = -22.272 \end{aligned}$$

Order of Operations with Decimals (E)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

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

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

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

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

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

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

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

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

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

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

Order of Operations with Decimals (E) Answers

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

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

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

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

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

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

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

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

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

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

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

Order of Operations with Decimals (F)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$(-1.9)^2 \times (3.2 - (-3.8))$$

$$1.1 - 0.3 \div (0.2)^2$$

$$(-0.9) \times 5.1 + (6.8)^2$$

$$(-9.8)^2 - 2.5 \times 1.6$$

$$(4.4 + (-3.8)^2) \div 0.5$$

$$(-0.7)^2 + 4.5 \times (-3.6)$$

$$(-5.2)^2 + 6.2 \times 2.5$$

$$(-9.7) - 3.75 \times (1.6)^2$$

$$3.8 \times (-9.1) + (6.9)^2$$

$$(4.1 - (3.5)^2) \times (-6.4)$$

Order of Operations with Decimals (F) Answers

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$\begin{aligned} & (-1.9)^2 \times (3.2 - (-3.8)) \\ &= (-1.9)^2 \times 7 \\ &= 3.61 \times 7 \\ &= 25.27 \end{aligned}$$

$$\begin{aligned} & 1.1 - 0.3 \div (0.2)^2 \\ &= 1.1 - 0.3 \div 0.04 \\ &= 1.1 - 7.5 \\ &= -6.4 \end{aligned}$$

$$\begin{aligned} & (-0.9) \times 5.1 + (6.8)^2 \\ &= (-0.9) \times 5.1 + 46.24 \\ &= (-4.59) + 46.24 \\ &= 41.65 \end{aligned}$$

$$\begin{aligned} & (-9.8)^2 - 2.5 \times 1.6 \\ &= 96.04 - 2.5 \times 1.6 \\ &= 96.04 - 4 \\ &= 92.04 \end{aligned}$$

$$\begin{aligned} & (4.4 + (-3.8)^2) \div 0.5 \\ &= (4.4 + 14.44) \div 0.5 \\ &= 18.84 \div 0.5 \\ &= 37.68 \end{aligned}$$

$$\begin{aligned} & (-0.7)^2 + 4.5 \times (-3.6) \\ &= 0.49 + 4.5 \times (-3.6) \\ &= 0.49 + (-16.2) \\ &= -15.71 \end{aligned}$$

$$\begin{aligned} & (-5.2)^2 + 6.2 \times 2.5 \\ &= 27.04 + 6.2 \times 2.5 \\ &= 27.04 + 15.5 \\ &= 42.54 \end{aligned}$$

$$\begin{aligned} & (-9.7) - 3.75 \times (1.6)^2 \\ &= (-9.7) - 3.75 \times 2.56 \\ &= (-9.7) - 9.6 \\ &= -19.3 \end{aligned}$$

$$\begin{aligned} & 3.8 \times (-9.1) + (6.9)^2 \\ &= 3.8 \times (-9.1) + 47.61 \\ &= (-34.58) + 47.61 \\ &= 13.03 \end{aligned}$$

$$\begin{aligned} & (4.1 - (3.5)^2) \times (-6.4) \\ &= (4.1 - 12.25) \times (-6.4) \\ &= (-8.15) \times (-6.4) \\ &= 52.16 \end{aligned}$$

Order of Operations with Decimals (G)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$((-4.7) + 8.1)^2 \div 0.5$$

$$(-2.3) \div 0.4 + (-6.4)^2$$

$$4.9 \div (2.2 + (-3.2))^3$$

$$(-5.6)^2 + 2.9 \times (-0.1)$$

$$(-0.1) \div (-0.5)^2 + (-5.7)$$

$$(-2.4)^2 \div (-4.8) + 7.9$$

$$(4.6)^2 \times ((-1.9) - 2.6)$$

$$(6.4)^2 - 7.4 \times 7.3$$

$$(-4.2) \times 1.4 + (-0.9)^2$$

$$((-7.4) - (-3.9)) \times (2.8)^2$$

Order of Operations with Decimals (G) Answers

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$\begin{aligned} & \left(\underline{(-4.7) + 8.1} \right)^2 \div 0.5 \\ &= \underline{(3.4)^2} \div 0.5 \\ &= \underline{11.56 \div 0.5} \\ &= 23.12 \end{aligned}$$

$$\begin{aligned} & (-2.3) \div 0.4 + \underline{(-6.4)^2} \\ &= \underline{(-2.3) \div 0.4} + 40.96 \\ &= \underline{(-5.75) + 40.96} \\ &= 35.21 \end{aligned}$$

$$\begin{aligned} & 4.9 \div \left(\underline{2.2 + (-3.2)} \right)^3 \\ &= 4.9 \div \underline{(-1)^3} \\ &= \underline{4.9 \div (-1)} \\ &= -4.9 \end{aligned}$$

$$\begin{aligned} & \underline{(-5.6)^2} + 2.9 \times (-0.1) \\ &= 31.36 + \underline{2.9 \times (-0.1)} \\ &= \underline{31.36 + (-0.29)} \\ &= 31.07 \end{aligned}$$

$$\begin{aligned} & (-0.1) \div \underline{(-0.5)^2} + (-5.7) \\ &= \underline{(-0.1) \div 0.25} + (-5.7) \\ &= \underline{(-0.4) + (-5.7)} \\ &= -6.1 \end{aligned}$$

$$\begin{aligned} & \underline{(-2.4)^2} \div (-4.8) + 7.9 \\ &= \underline{5.76 \div (-4.8)} + 7.9 \\ &= \underline{(-1.2) + 7.9} \\ &= 6.7 \end{aligned}$$

$$\begin{aligned} & (4.6)^2 \times \left(\underline{(-1.9) - 2.6} \right) \\ &= \underline{(4.6)^2} \times (-4.5) \\ &= \underline{21.16 \times (-4.5)} \\ &= -95.22 \end{aligned}$$

$$\begin{aligned} & \underline{(6.4)^2} - 7.4 \times 7.3 \\ &= 40.96 - \underline{7.4 \times 7.3} \\ &= \underline{40.96 - 54.02} \\ &= -13.06 \end{aligned}$$

$$\begin{aligned} & (-4.2) \times 1.4 + \underline{(-0.9)^2} \\ &= \underline{(-4.2) \times 1.4} + 0.81 \\ &= \underline{(-5.88) + 0.81} \\ &= -5.07 \end{aligned}$$

$$\begin{aligned} & \left(\underline{(-7.4) - (-3.9)} \right) \times (2.8)^2 \\ &= (-3.5) \times \underline{(2.8)^2} \\ &= \underline{(-3.5) \times 7.84} \\ &= -27.44 \end{aligned}$$

Order of Operations with Decimals (H)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$3.7 \times 3.8 + (-2.3)^2$$

$$((-0.5) - (-6.8))^2 \div 3.5$$

$$(0.9)^2 - (-3.9) \times (-4.5)$$

$$1.7 \times 4.5 + (-4.3)^2$$

$$(-9.3)^2 \times ((-5.8) - (-6.8))$$

$$((3.5)^2 - (-2.6)) \times 0.6$$

$$((-7.3) - (-6.9)^2) \div 3.4$$

$$((9.3)^2 + 1.6) \div (-2.3)$$

$$0.1 - (7.8)^2 \div (-7.2)$$

$$(-0.7) \div 1.25 - (3.2)^2$$

Order of Operations with Decimals (H) Answers

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$\begin{aligned} & 3.7 \times 3.8 + \underline{(-2.3)^2} \\ & = \underline{3.7 \times 3.8} + 5.29 \\ & = \underline{14.06 + 5.29} \\ & = 19.35 \end{aligned}$$

$$\begin{aligned} & \underline{((-0.5) - (-6.8))^2} \div 3.5 \\ & = \underline{(6.3)^2} \div 3.5 \\ & = \underline{39.69 \div 3.5} \\ & = 11.34 \end{aligned}$$

$$\begin{aligned} & \underline{(0.9)^2} - (-3.9) \times (-4.5) \\ & = 0.81 - \underline{(-3.9) \times (-4.5)} \\ & = \underline{0.81 - 17.55} \\ & = -16.74 \end{aligned}$$

$$\begin{aligned} & 1.7 \times 4.5 + \underline{(-4.3)^2} \\ & = \underline{1.7 \times 4.5} + 18.49 \\ & = \underline{7.65 + 18.49} \\ & = 26.14 \end{aligned}$$

$$\begin{aligned} & (-9.3)^2 \times \underline{((-5.8) - (-6.8))} \\ & = \underline{(-9.3)^2} \times 1 \\ & = \underline{86.49 \times 1} \\ & = 86.49 \end{aligned}$$

$$\begin{aligned} & \underline{(3.5)^2} - (-2.6) \times 0.6 \\ & = \underline{(12.25 - (-2.6))} \times 0.6 \\ & = \underline{14.85 \times 0.6} \\ & = 8.91 \end{aligned}$$

$$\begin{aligned} & \underline{((-7.3) - (-6.9)^2)} \div 3.4 \\ & = \underline{((-7.3) - 47.61)} \div 3.4 \\ & = \underline{(-54.91) \div 3.4} \\ & = -16.15 \end{aligned}$$

$$\begin{aligned} & \underline{(9.3)^2} + 1.6 \div (-2.3) \\ & = \underline{(86.49 + 1.6)} \div (-2.3) \\ & = \underline{88.09 \div (-2.3)} \\ & = -38.3 \end{aligned}$$

$$\begin{aligned} & 0.1 - \underline{(7.8)^2} \div (-7.2) \\ & = 0.1 - \underline{60.84 \div (-7.2)} \\ & = \underline{0.1 - (-8.45)} \\ & = 8.55 \end{aligned}$$

$$\begin{aligned} & (-0.7) \div 1.25 - \underline{(3.2)^2} \\ & = \underline{(-0.7) \div 1.25} - 10.24 \\ & = \underline{(-0.56) - 10.24} \\ & = -10.8 \end{aligned}$$

Order of Operations with Decimals (I)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$3.7 \times (3.1 - 6.1)^3$$

$$(1.7)^2 - 0.2 \times (-2.7)$$

$$(6.3)^2 + (-6.5) \div (-1.3)$$

$$6.8 \times 3.4 + (-0.5)^2$$

$$(-7.6) \div (0.4)^2 + 6.9$$

$$(3.4)^2 - (-7.2) \times 7.6$$

$$(4.9)^2 - (-5.1) \times 3.8$$

$$((-2.9) - (-3.6)^2) \div (-6.1)$$

$$2.2 \times 6.6 - (1.2)^2$$

$$(8.1)^2 - 9.9 \times 2.9$$

Order of Operations with Decimals (I) Answers

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$\begin{aligned} & 3.7 \times (3.1 - 6.1)^3 \\ &= 3.7 \times (-3)^3 \\ &= 3.7 \times (-27) \\ &= -99.9 \end{aligned}$$

$$\begin{aligned} & (1.7)^2 - 0.2 \times (-2.7) \\ &= 2.89 - 0.2 \times (-2.7) \\ &= 2.89 - (-0.54) \\ &= 3.43 \end{aligned}$$

$$\begin{aligned} & (6.3)^2 + (-6.5) \div (-1.3) \\ &= 39.69 + (-6.5) \div (-1.3) \\ &= 39.69 + 5 \\ &= 44.69 \end{aligned}$$

$$\begin{aligned} & 6.8 \times 3.4 + (-0.5)^2 \\ &= 6.8 \times 3.4 + 0.25 \\ &= 23.12 + 0.25 \\ &= 23.37 \end{aligned}$$

$$\begin{aligned} & (-7.6) \div (0.4)^2 + 6.9 \\ &= (-7.6) \div 0.16 + 6.9 \\ &= (-47.5) + 6.9 \\ &= -40.6 \end{aligned}$$

$$\begin{aligned} & (3.4)^2 - (-7.2) \times 7.6 \\ &= 11.56 - (-7.2) \times 7.6 \\ &= 11.56 - (-54.72) \\ &= 66.28 \end{aligned}$$

$$\begin{aligned} & (4.9)^2 - (-5.1) \times 3.8 \\ &= 24.01 - (-5.1) \times 3.8 \\ &= 24.01 - (-19.38) \\ &= 43.39 \end{aligned}$$

$$\begin{aligned} & ((-2.9) - (-3.6)^2) \div (-6.1) \\ &= ((-2.9) - 12.96) \div (-6.1) \\ &= (-15.86) \div (-6.1) \\ &= 2.6 \end{aligned}$$

$$\begin{aligned} & 2.2 \times 6.6 - (1.2)^2 \\ &= 2.2 \times 6.6 - 1.44 \\ &= 14.52 - 1.44 \\ &= 13.08 \end{aligned}$$

$$\begin{aligned} & (8.1)^2 - 9.9 \times 2.9 \\ &= 65.61 - 9.9 \times 2.9 \\ &= 65.61 - 28.71 \\ &= 36.9 \end{aligned}$$

Order of Operations with Decimals (J)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$(-8.2) \times 5.7 + (-7.9)^2$$

$$8.8 \times 0.9 - (-2.6)^2$$

$$6.7 - (-5.5)^2 \times 3.2$$

$$(2.9)^2 + 8.3 \times 6.6$$

$$(2.9)^2 - (-0.1) \times (-7.6)$$

$$(0.7)^2 + 5.4 \times (-9.8)$$

$$0.6 \times 7.5 + (-0.8)^2$$

$$(-1.3) \times 2.8 - (6.1)^2$$

$$(2.4)^2 - 8.2 \times (-6.1)$$

$$(-8.4)^2 \div 6.3 - (-2.4)$$

Order of Operations with Decimals (J) Answers

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$\begin{aligned} & (-8.2) \times 5.7 + \underline{(-7.9)^2} \\ & = \underline{(-8.2) \times 5.7} + 62.41 \\ & = \underline{(-46.74) + 62.41} \\ & = 15.67 \end{aligned}$$

$$\begin{aligned} & 8.8 \times 0.9 - \underline{(-2.6)^2} \\ & = \underline{8.8 \times 0.9} - 6.76 \\ & = \underline{7.92} - 6.76 \\ & = 1.16 \end{aligned}$$

$$\begin{aligned} & 6.7 - \underline{(-5.5)^2} \times 3.2 \\ & = 6.7 - \underline{30.25 \times 3.2} \\ & = \underline{6.7 - 96.8} \\ & = -90.1 \end{aligned}$$

$$\begin{aligned} & \underline{(2.9)^2} + 8.3 \times 6.6 \\ & = 8.41 + \underline{8.3 \times 6.6} \\ & = \underline{8.41 + 54.78} \\ & = 63.19 \end{aligned}$$

$$\begin{aligned} & \underline{(2.9)^2} - (-0.1) \times (-7.6) \\ & = 8.41 - \underline{(-0.1) \times (-7.6)} \\ & = \underline{8.41 - 0.76} \\ & = 7.65 \end{aligned}$$

$$\begin{aligned} & \underline{(0.7)^2} + 5.4 \times (-9.8) \\ & = 0.49 + \underline{5.4 \times (-9.8)} \\ & = \underline{0.49 + (-52.92)} \\ & = -52.43 \end{aligned}$$

$$\begin{aligned} & 0.6 \times 7.5 + \underline{(-0.8)^2} \\ & = \underline{0.6 \times 7.5} + 0.64 \\ & = \underline{4.5 + 0.64} \\ & = 5.14 \end{aligned}$$

$$\begin{aligned} & (-1.3) \times 2.8 - \underline{(6.1)^2} \\ & = \underline{(-1.3) \times 2.8} - 37.21 \\ & = \underline{(-3.64) - 37.21} \\ & = -40.85 \end{aligned}$$

$$\begin{aligned} & \underline{(2.4)^2} - 8.2 \times (-6.1) \\ & = 5.76 - \underline{8.2 \times (-6.1)} \\ & = \underline{5.76 - (-50.02)} \\ & = 55.78 \end{aligned}$$

$$\begin{aligned} & \underline{(-8.4)^2} \div 6.3 - (-2.4) \\ & = \underline{70.56 \div 6.3} - (-2.4) \\ & = \underline{11.2 - (-2.4)} \\ & = 13.6 \end{aligned}$$