

Order of Operations with Decimals (A)

Name: _____

Date: _____

Solve each expression using the correct order of operations.

$$\left((-6.6) + (-9.2) - (-6.4)^2\right) \div 2.2$$

$$(-1.8)^2 + 2.5 \times ((-4.5) - (-7.7))$$

$$\left((-7.2)^2 - 6.4\right) \times (1.8 + (-0.8))$$

$$(9.5 - (-0.1)) \times (2.5)^2 + (-3.7)$$

$$\left((-4.1) + (-8.6) - (0.5)^2\right) \times 7.2$$

$$(7.5 + 3.2) \times (1.2 - 2.2)^2$$

$$\left(3.1 + (-7.3) - (0.5)^2\right) \times (-2.6)$$

$$\left(2.2 + (-0.6)^2 - 1.4\right) \times (-2.5)$$

Order of Operations with Decimals (A) Answers

Name: _____

Date: _____

Solve each expression using the correct order of operations.

$$\begin{aligned} & ((-6.6) + (-9.2) - (-6.4)^2) \div 2.2 \\ & = ((-6.6) + (-9.2) - 40.96) \div 2.2 \\ & = ((-15.8) - 40.96) \div 2.2 \\ & = (-56.76) \div 2.2 \\ & = -25.8 \end{aligned}$$

$$\begin{aligned} & (-1.8)^2 + 2.5 \times ((-4.5) - (-7.7)) \\ & = (-1.8)^2 + 2.5 \times 3.2 \\ & = 3.24 + 2.5 \times 3.2 \\ & = 3.24 + 8 \\ & = 11.24 \end{aligned}$$

$$\begin{aligned} & ((-7.2)^2 - 6.4) \times (1.8 + (-0.8)) \\ & = (51.84 - 6.4) \times (1.8 + (-0.8)) \\ & = 45.44 \times (1.8 + (-0.8)) \\ & = 45.44 \times 1 \\ & = 45.44 \end{aligned}$$

$$\begin{aligned} & (9.5 - (-0.1)) \times (2.5)^2 + (-3.7) \\ & = 9.6 \times (2.5)^2 + (-3.7) \\ & = 9.6 \times 6.25 + (-3.7) \\ & = 60 + (-3.7) \\ & = 56.3 \end{aligned}$$

$$\begin{aligned} & ((-4.1) + (-8.6) - (0.5)^2) \times 7.2 \\ & = ((-4.1) + (-8.6) - 0.25) \times 7.2 \\ & = ((-12.7) - 0.25) \times 7.2 \\ & = (-12.95) \times 7.2 \\ & = -93.24 \end{aligned}$$

$$\begin{aligned} & (7.5 + 3.2) \times (1.2 - 2.2)^2 \\ & = 10.7 \times (1.2 - 2.2)^2 \\ & = 10.7 \times (-1)^2 \\ & = 10.7 \times 1 \\ & = 10.7 \end{aligned}$$

$$\begin{aligned} & (3.1 + (-7.3) - (0.5)^2) \times (-2.6) \\ & = (3.1 + (-7.3) - 0.25) \times (-2.6) \\ & = ((-4.2) - 0.25) \times (-2.6) \\ & = (-4.45) \times (-2.6) \\ & = 11.57 \end{aligned}$$

$$\begin{aligned} & (2.2 + (-0.6)^2 - 1.4) \times (-2.5) \\ & = (2.2 + 0.36 - 1.4) \times (-2.5) \\ & = (2.56 - 1.4) \times (-2.5) \\ & = 1.16 \times (-2.5) \\ & = -2.9 \end{aligned}$$

Order of Operations with Decimals (B)

Name: _____

Date: _____

Solve each expression using the correct order of operations.

$$5.2 \times ((0.5)^2 + 9.7 - 2.7)$$

$$((-2.4)^2 \div (-1.6) + 8.8) \times (-1.9)$$

$$((-3.7)^2 - 8.8) \times ((-6.8) + (-1.2))$$

$$(-7.3) + (9.4)^2 \div (4.7 \times 1.6)$$

$$((-0.5) + (-1.7) - (-9.9))^2 \div (-1.4)$$

$$(6.1 + (-1.1)) \times ((-6.8) - (-2.7))^2$$

$$2.8 \times ((2.5)^2 + 9.6 \div (-6.4))$$

$$0.4 - (-1.7) \times ((-3.6) + 1.6)^3$$

Order of Operations with Decimals (B) Answers

Name: _____

Date: _____

Solve each expression using the correct order of operations.

$$\begin{aligned} & 5.2 \times \left((0.5)^2 + 9.7 - 2.7 \right) \\ &= 5.2 \times (0.25 + 9.7 - 2.7) \\ &= 5.2 \times (9.95 - 2.7) \\ &= \underline{5.2 \times 7.25} \\ &= 37.7 \end{aligned}$$

$$\begin{aligned} & \left((-2.4)^2 \div (-1.6) + 8.8 \right) \times (-1.9) \\ &= \left(5.76 \div (-1.6) + 8.8 \right) \times (-1.9) \\ &= \left((-3.6) + 8.8 \right) \times (-1.9) \\ &= \underline{5.2 \times (-1.9)} \\ &= -9.88 \end{aligned}$$

$$\begin{aligned} & \left((-3.7)^2 - 8.8 \right) \times ((-6.8) + (-1.2)) \\ &= (13.69 - 8.8) \times ((-6.8) + (-1.2)) \\ &= 4.89 \times \left((-6.8) + (-1.2) \right) \\ &= \underline{4.89 \times (-8)} \\ &= -39.12 \end{aligned}$$

$$\begin{aligned} & (-7.3) + (9.4)^2 \div (4.7 \times 1.6) \\ &= (-7.3) + (9.4)^2 \div 7.52 \\ &= (-7.3) + \underline{88.36 \div 7.52} \\ &= \underline{(-7.3) + 11.75} \\ &= 4.45 \end{aligned}$$

$$\begin{aligned} & \left((-0.5) + (-1.7) - (-9.9) \right)^2 \div (-1.4) \\ &= \left((-2.2) - (-9.9) \right)^2 \div (-1.4) \\ &= (7.7)^2 \div (-1.4) \\ &= \underline{59.29 \div (-1.4)} \\ &= -42.35 \end{aligned}$$

$$\begin{aligned} & \left(6.1 + (-1.1) \right) \times ((-6.8) - (-2.7))^2 \\ &= 5 \times \left((-6.8) - (-2.7) \right)^2 \\ &= 5 \times (-4.1)^2 \\ &= \underline{5 \times 16.81} \\ &= 84.05 \end{aligned}$$

$$\begin{aligned} & 2.8 \times \left((2.5)^2 + 9.6 \div (-6.4) \right) \\ &= 2.8 \times \left(6.25 + 9.6 \div (-6.4) \right) \\ &= 2.8 \times \left(6.25 + (-1.5) \right) \\ &= \underline{2.8 \times 4.75} \\ &= 13.3 \end{aligned}$$

$$\begin{aligned} & 0.4 - (-1.7) \times \left((-3.6) + 1.6 \right)^3 \\ &= 0.4 - (-1.7) \times (-2)^3 \\ &= 0.4 - \underline{(-1.7) \times (-8)} \\ &= \underline{0.4 - 13.6} \\ &= -13.2 \end{aligned}$$

Order of Operations with Decimals (C)

Name: _____

Date: _____

Solve each expression using the correct order of operations.

$$(6.9 - (-8.1)) \times ((-6.9) + 5.6)^2$$

$$(7.9 - (-8.9) + (-2.2)) \times (-1.5)^2$$

$$(-2.2) - (9.2)^2 \div ((-6.4) \times 2.5)$$

$$((-6.4) - (-8.2)) \times (-5.1) + (0.3)^2$$

$$((2.5)^2 - 9.8) \times (6.9 + 1.5)$$

$$9.6 \times ((-9.6) - (-1.8) + 7.3)^2$$

$$(-8.3)^2 - 4.4 \times ((-1.7) + 0.2)$$

$$(-2.9)^2 + 6.8 \times ((-8.6) - 2.1)$$

Order of Operations with Decimals (C) Answers

Name: _____

Date: _____

Solve each expression using the correct order of operations.

$$\begin{aligned} & (\underline{6.9 - (-8.1)}) \times ((-6.9) + 5.6)^2 \\ &= 15 \times (\underline{(-6.9) + 5.6})^2 \\ &= 15 \times \underline{(-1.3)^2} \\ &= \underline{15 \times 1.69} \\ &= \underline{25.35} \end{aligned}$$

$$\begin{aligned} & (\underline{7.9 - (-8.9)} + (-2.2)) \times (-1.5)^2 \\ &= (\underline{16.8 + (-2.2)}) \times (-1.5)^2 \\ &= 14.6 \times \underline{(-1.5)^2} \\ &= \underline{14.6 \times 2.25} \\ &= \underline{32.85} \end{aligned}$$

$$\begin{aligned} & (-2.2) - (9.2)^2 \div (\underline{(-6.4) \times 2.5}) \\ &= (-2.2) - \underline{(9.2)^2} \div (-16) \\ &= (-2.2) - \underline{84.64 \div (-16)} \\ &= \underline{(-2.2) - (-5.29)} \\ &= \underline{3.09} \end{aligned}$$

$$\begin{aligned} & (\underline{(-6.4) - (-8.2)}) \times (-5.1) + (0.3)^2 \\ &= 1.8 \times (-5.1) + \underline{(0.3)^2} \\ &= \underline{1.8 \times (-5.1)} + 0.09 \\ &= \underline{(-9.18) + 0.09} \\ &= \underline{-9.09} \end{aligned}$$

$$\begin{aligned} & (\underline{(2.5)^2} - 9.8) \times (6.9 + 1.5) \\ &= \underline{(6.25 - 9.8)} \times (6.9 + 1.5) \\ &= (-3.55) \times \underline{(6.9 + 1.5)} \\ &= \underline{(-3.55) \times 8.4} \\ &= \underline{-29.82} \end{aligned}$$

$$\begin{aligned} & 9.6 \times (\underline{(-9.6) - (-1.8)} + 7.3)^2 \\ &= 9.6 \times (\underline{(-7.8) + 7.3})^2 \\ &= 9.6 \times \underline{(-0.5)^2} \\ &= \underline{9.6 \times 0.25} \\ &= \underline{2.4} \end{aligned}$$

$$\begin{aligned} & (-8.3)^2 - 4.4 \times (\underline{(-1.7) + 0.2}) \\ &= \underline{(-8.3)^2} - 4.4 \times (-1.5) \\ &= 68.89 - \underline{4.4 \times (-1.5)} \\ &= \underline{68.89 - (-6.6)} \\ &= \underline{75.49} \end{aligned}$$

$$\begin{aligned} & (-2.9)^2 + 6.8 \times (\underline{(-8.6) - 2.1}) \\ &= \underline{(-2.9)^2} + 6.8 \times (-10.7) \\ &= 8.41 + \underline{6.8 \times (-10.7)} \\ &= \underline{8.41 + (-72.76)} \\ &= \underline{-64.35} \end{aligned}$$

Order of Operations with Decimals (D)

Name: _____

Date: _____

Solve each expression using the correct order of operations.

$$(-9.6) \times ((-0.5) - 1.6 + 4.1)^3$$

$$(-1.5) \times ((-2.8)^2 - 9.2 + 3.6)$$

$$(2.7 + 2.5)^2 \div 0.8 - (-9.9)$$

$$((4.2)^2 - (-8.4) \div (-3.5)) \times 4.5$$

$$(-9.6) \div ((-2.6) - (-3.3) + (-2.7))^2$$

$$(5.2 - 5.8)^2 \div (6.8 + (-3.8))$$

$$(7.4)^2 + 2.3 \div ((-3.4) - (-5.7))$$

$$(3.5)^2 - 7.2 \times ((-0.4) + (-1.9))$$

Order of Operations with Decimals (D) Answers

Name: _____

Date: _____

Solve each expression using the correct order of operations.

$$\begin{aligned} & (-9.6) \times \left(\underline{(-0.5) - 1.6} + 4.1 \right)^3 \\ &= (-9.6) \times \left(\underline{(-2.1) + 4.1} \right)^3 \\ &= (-9.6) \times \underline{2^3} \\ &= \underline{(-9.6) \times 8} \\ &= \underline{-76.8} \end{aligned}$$

$$\begin{aligned} & (-1.5) \times \left(\underline{(-2.8)^2} - 9.2 + 3.6 \right) \\ &= (-1.5) \times \left(\underline{7.84 - 9.2} + 3.6 \right) \\ &= (-1.5) \times \left(\underline{(-1.36) + 3.6} \right) \\ &= \underline{(-1.5) \times 2.24} \\ &= \underline{-3.36} \end{aligned}$$

$$\begin{aligned} & \left(\underline{2.7 + 2.5} \right)^2 \div 0.8 - (-9.9) \\ &= \underline{(5.2)^2} \div 0.8 - (-9.9) \\ &= \underline{27.04 \div 0.8} - (-9.9) \\ &= \underline{33.8 - (-9.9)} \\ &= \underline{43.7} \end{aligned}$$

$$\begin{aligned} & \left(\underline{(4.2)^2} - (-8.4) \div (-3.5) \right) \times 4.5 \\ &= \left(17.64 - \underline{(-8.4) \div (-3.5)} \right) \times 4.5 \\ &= \left(\underline{17.64 - 2.4} \right) \times 4.5 \\ &= \underline{15.24 \times 4.5} \\ &= \underline{68.58} \end{aligned}$$

$$\begin{aligned} & (-9.6) \div \left(\underline{(-2.6) - (-3.3)} + (-2.7) \right)^2 \\ &= (-9.6) \div \left(\underline{0.7 + (-2.7)} \right)^2 \\ &= (-9.6) \div \underline{(-2)^2} \\ &= \underline{(-9.6) \div 4} \\ &= \underline{-2.4} \end{aligned}$$

$$\begin{aligned} & \left(\underline{5.2 - 5.8} \right)^2 \div (6.8 + (-3.8)) \\ &= (-0.6)^2 \div \left(\underline{6.8 + (-3.8)} \right) \\ &= \underline{(-0.6)^2} \div 3 \\ &= \underline{0.36 \div 3} \\ &= \underline{0.12} \end{aligned}$$

$$\begin{aligned} & (7.4)^2 + 2.3 \div \left(\underline{(-3.4) - (-5.7)} \right) \\ &= \underline{(7.4)^2} + 2.3 \div 2.3 \\ &= 54.76 + \underline{2.3 \div 2.3} \\ &= \underline{54.76 + 1} \\ &= \underline{55.76} \end{aligned}$$

$$\begin{aligned} & (3.5)^2 - 7.2 \times \left(\underline{(-0.4) + (-1.9)} \right) \\ &= \underline{(3.5)^2} - 7.2 \times (-2.3) \\ &= 12.25 - \underline{7.2 \times (-2.3)} \\ &= \underline{12.25 - (-16.56)} \\ &= \underline{28.81} \end{aligned}$$

Order of Operations with Decimals (E)

Name: _____

Date: _____

Solve each expression using the correct order of operations.

$$\left((-4.5)^2 + (-7.8) - 8.4\right) \times (-5.2)$$

$$\left((-0.1) + (-8.3)\right) \div (-2.5) - (1.4)^2$$

$$(2.5)^2 \times \left((-4.6) - 7.6 + (-0.8)\right)$$

$$\left((-3.8) - (-8.3) + (-3.5)\right) \times (-4.6)^2$$

$$(6.4 + (-3.9) - 2.5)^2 \times (-2.8)$$

$$(4.3)^2 + (-4.8) \times (4.4 - 5.2)$$

$$(-8.2) \times \left((-3.4) - (-1.9) + 2.5\right)^2$$

$$(0.5 \times 9.4)^2 \div 4.7 - 5.4$$

Order of Operations with Decimals (E) Answers

Name: _____

Date: _____

Solve each expression using the correct order of operations.

$$\begin{aligned} & \left(\underline{(-4.5)^2} + (-7.8) - 8.4 \right) \times (-5.2) \\ &= \left(\underline{20.25} + \underline{(-7.8)} - 8.4 \right) \times (-5.2) \\ &= \left(\underline{12.45} - 8.4 \right) \times (-5.2) \\ &= \underline{4.05} \times \underline{(-5.2)} \\ &= \underline{-21.06} \end{aligned}$$

$$\begin{aligned} & \left(\underline{(-0.1)} + \underline{(-8.3)} \right) \div (-2.5) - (1.4)^2 \\ &= \underline{(-8.4)} \div \underline{(-2.5)} - \underline{(1.4)^2} \\ &= \underline{(-8.4) \div (-2.5)} - 1.96 \\ &= \underline{3.36} - 1.96 \\ &= \underline{1.4} \end{aligned}$$

$$\begin{aligned} & (2.5)^2 \times \left(\underline{(-4.6)} - \underline{7.6} + (-0.8) \right) \\ &= (2.5)^2 \times \left(\underline{(-12.2)} + \underline{(-0.8)} \right) \\ &= \underline{(2.5)^2} \times \underline{(-13)} \\ &= \underline{6.25} \times \underline{(-13)} \\ &= \underline{-81.25} \end{aligned}$$

$$\begin{aligned} & \left(\underline{(-3.8)} - \underline{(-8.3)} + (-3.5) \right) \times (-4.6)^2 \\ &= \left(\underline{4.5} + \underline{(-3.5)} \right) \times (-4.6)^2 \\ &= \underline{1} \times \underline{(-4.6)^2} \\ &= \underline{1} \times \underline{21.16} \\ &= \underline{21.16} \end{aligned}$$

$$\begin{aligned} & \left(\underline{6.4} + \underline{(-3.9)} - 2.5 \right)^2 \times (-2.8) \\ &= \left(\underline{2.5} - 2.5 \right)^2 \times (-2.8) \\ &= \underline{0^2} \times \underline{(-2.8)} \\ &= \underline{0} \times \underline{(-2.8)} \\ &= \underline{0} \end{aligned}$$

$$\begin{aligned} & (4.3)^2 + (-4.8) \times \underline{(4.4 - 5.2)} \\ &= \underline{(4.3)^2} + (-4.8) \times \underline{(-0.8)} \\ &= \underline{18.49} + \underline{(-4.8) \times (-0.8)} \\ &= \underline{18.49} + \underline{3.84} \\ &= \underline{22.33} \end{aligned}$$

$$\begin{aligned} & (-8.2) \times \left(\underline{(-3.4)} - \underline{(-1.9)} + 2.5 \right)^2 \\ &= (-8.2) \times \left(\underline{(-1.5)} + 2.5 \right)^2 \\ &= (-8.2) \times \underline{1^2} \\ &= \underline{(-8.2) \times 1} \\ &= \underline{-8.2} \end{aligned}$$

$$\begin{aligned} & \underline{(0.5 \times 9.4)^2} \div 4.7 - 5.4 \\ &= \underline{(4.7)^2} \div 4.7 - 5.4 \\ &= \underline{22.09} \div \underline{4.7} - 5.4 \\ &= \underline{4.7} - 5.4 \\ &= \underline{-0.7} \end{aligned}$$

Order of Operations with Decimals (F)

Name: _____

Date: _____

Solve each expression using the correct order of operations.

$$2.8 \times ((3.5)^2 - 2.7 + 5.4)$$

$$(-0.8)^2 - 4.1 \times ((-0.6) \div 0.1)$$

$$(-5.5)^2 + (-4.3) \times ((-7.1) - (-3.9))$$

$$((-7.5)^2 - (-9.9)) \times (-0.8) + 5.1$$

$$(2.5)^2 \times ((-3.3) + 3.3 - (-9.8))$$

$$(3.9)^2 - (-3.9) \times ((-0.7) + 2.5)$$

$$((-3.8) - 4.4) \times (-0.5)^2 + (-6.8)$$

$$9.6 \times (((-6.7) + 6.9) \div (-0.2))^2$$

Order of Operations with Decimals (F) Answers

Name: _____

Date: _____

Solve each expression using the correct order of operations.

$$\begin{aligned} & 2.8 \times \left(\underline{(3.5)^2} - 2.7 + 5.4 \right) \\ & = 2.8 \times \left(\underline{12.25} - 2.7 + 5.4 \right) \\ & = 2.8 \times \left(\underline{9.55} + 5.4 \right) \\ & = \underline{2.8 \times 14.95} \\ & = \underline{41.86} \end{aligned}$$

$$\begin{aligned} & (-0.8)^2 - 4.1 \times \left(\underline{(-0.6) \div 0.1} \right) \\ & = \underline{(-0.8)^2} - 4.1 \times (-6) \\ & = 0.64 - \underline{4.1 \times (-6)} \\ & = \underline{0.64 - (-24.6)} \\ & = \underline{25.24} \end{aligned}$$

$$\begin{aligned} & (-5.5)^2 + (-4.3) \times \left(\underline{(-7.1) - (-3.9)} \right) \\ & = \underline{(-5.5)^2} + (-4.3) \times (-3.2) \\ & = 30.25 + \underline{(-4.3) \times (-3.2)} \\ & = \underline{30.25 + 13.76} \\ & = \underline{44.01} \end{aligned}$$

$$\begin{aligned} & \left(\underline{(-7.5)^2} - (-9.9) \right) \times (-0.8) + 5.1 \\ & = \left(\underline{56.25} - (-9.9) \right) \times (-0.8) + 5.1 \\ & = \underline{66.15 \times (-0.8)} + 5.1 \\ & = \underline{(-52.92) + 5.1} \\ & = \underline{-47.82} \end{aligned}$$

$$\begin{aligned} & (2.5)^2 \times \left(\underline{(-3.3) + 3.3} - (-9.8) \right) \\ & = (2.5)^2 \times \left(\underline{0 - (-9.8)} \right) \\ & = \underline{(2.5)^2} \times 9.8 \\ & = \underline{6.25 \times 9.8} \\ & = \underline{61.25} \end{aligned}$$

$$\begin{aligned} & (3.9)^2 - (-3.9) \times \left(\underline{(-0.7) + 2.5} \right) \\ & = \underline{(3.9)^2} - (-3.9) \times 1.8 \\ & = 15.21 - \underline{(-3.9) \times 1.8} \\ & = \underline{15.21 - (-7.02)} \\ & = \underline{22.23} \end{aligned}$$

$$\begin{aligned} & \left(\underline{(-3.8) - 4.4} \right) \times (-0.5)^2 + (-6.8) \\ & = (-8.2) \times \underline{(-0.5)^2} + (-6.8) \\ & = \underline{(-8.2) \times 0.25} + (-6.8) \\ & = \underline{(-2.05) + (-6.8)} \\ & = \underline{-8.85} \end{aligned}$$

$$\begin{aligned} & 9.6 \times \left(\left(\underline{(-6.7) + 6.9} \right) \div (-0.2) \right)^2 \\ & = 9.6 \times \left(\underline{0.2 \div (-0.2)} \right)^2 \\ & = 9.6 \times \underline{(-1)^2} \\ & = \underline{9.6 \times 1} \\ & = \underline{9.6} \end{aligned}$$

Order of Operations with Decimals (G)

Name: _____

Date: _____

Solve each expression using the correct order of operations.

$$3.4 \times (8.5 + (-4.2) - 2.3)^2$$

$$2.4 - (-8.4)^2 \div ((-5.4) + (-3.6))$$

$$(4.9)^2 + 5.1 \times (9.2 - 0.5)$$

$$(-7.2) \div ((-7.4) - 3.1 + 9.7)^2$$

$$\left((-2.2)^2 - 1.6 \times (-6.5) \right) \div (-1.2)$$

$$(-7.5) \times \left((-6.5) + (-0.2)^2 - 5.8 \right)$$

$$(3.6 - (-5.9) + (-8.5)) \times (-1.6)^2$$

$$(-7.5) - 1.3 \div (0.9 + (-1.1))^2$$

Order of Operations with Decimals (G) Answers

Name: _____

Date: _____

Solve each expression using the correct order of operations.

$$\begin{aligned} & 3.4 \times \left(\underline{8.5 + (-4.2)} - 2.3 \right)^2 \\ &= 3.4 \times \left(\underline{4.3 - 2.3} \right)^2 \\ &= 3.4 \times \underline{2^2} \\ &= \underline{3.4 \times 4} \\ &= \underline{13.6} \end{aligned}$$

$$\begin{aligned} & 2.4 - (-8.4)^2 \div \left(\underline{(-5.4) + (-3.6)} \right) \\ &= 2.4 - \underline{(-8.4)^2} \div (-9) \\ &= 2.4 - \underline{70.56 \div (-9)} \\ &= \underline{2.4 - (-7.84)} \\ &= \underline{10.24} \end{aligned}$$

$$\begin{aligned} & (4.9)^2 + 5.1 \times \underline{(9.2 - 0.5)} \\ &= \underline{(4.9)^2} + 5.1 \times 8.7 \\ &= 24.01 + \underline{5.1 \times 8.7} \\ &= \underline{24.01 + 44.37} \\ &= \underline{68.38} \end{aligned}$$

$$\begin{aligned} & (-7.2) \div \left(\underline{(-7.4) - 3.1} + 9.7 \right)^2 \\ &= (-7.2) \div \left(\underline{(-10.5) + 9.7} \right)^2 \\ &= (-7.2) \div \underline{(-0.8)^2} \\ &= \underline{(-7.2) \div 0.64} \\ &= \underline{-11.25} \end{aligned}$$

$$\begin{aligned} & \left(\underline{(-2.2)^2} - 1.6 \times (-6.5) \right) \div (-1.2) \\ &= \left(4.84 - \underline{1.6 \times (-6.5)} \right) \div (-1.2) \\ &= \left(\underline{4.84 - (-10.4)} \right) \div (-1.2) \\ &= \underline{15.24 \div (-1.2)} \\ &= \underline{-12.7} \end{aligned}$$

$$\begin{aligned} & (-7.5) \times \left((-6.5) + \underline{(-0.2)^2} - 5.8 \right) \\ &= (-7.5) \times \left((-6.5) + \underline{0.04} - 5.8 \right) \\ &= (-7.5) \times \left(\underline{(-6.46) - 5.8} \right) \\ &= \underline{(-7.5) \times (-12.26)} \\ &= \underline{91.95} \end{aligned}$$

$$\begin{aligned} & \left(\underline{3.6 - (-5.9)} + (-8.5) \right) \times (-1.6)^2 \\ &= \left(\underline{9.5 + (-8.5)} \right) \times (-1.6)^2 \\ &= 1 \times \underline{(-1.6)^2} \\ &= \underline{1 \times 2.56} \\ &= \underline{2.56} \end{aligned}$$

$$\begin{aligned} & (-7.5) - 1.3 \div \left(\underline{0.9 + (-1.1)} \right)^2 \\ &= (-7.5) - 1.3 \div \underline{(-0.2)^2} \\ &= (-7.5) - \underline{1.3 \div 0.04} \\ &= \underline{(-7.5) - 32.5} \\ &= \underline{-40} \end{aligned}$$

Order of Operations with Decimals (H)

Name: _____

Date: _____

Solve each expression using the correct order of operations.

$$\left((-1.6)^2 - 1.8\right) \div (-0.4) \times (-8.5)$$

$$(-6.9)^2 + 7.5 \times (2.9 - (-3.2))$$

$$(8.6 - (-2.6)) \times (-4.7) + (-3.3)^2$$

$$(9.6 - 6.9) \times (-1.7) + (6.2)^2$$

$$(-3.7) \times ((-7.3) + (-1.6) - (-6.9))^2$$

$$((-5.5) + (-3.7) - 7.8) \times (-0.3)^2$$

$$(-1.5) \times \left((-9.6) + (-3.1) - (1.8)^2\right)$$

$$0.4 \times \left((1.4 + (-1.4)) \div (-9.4)\right)^3$$

Order of Operations with Decimals (H) Answers

Name: _____

Date: _____

Solve each expression using the correct order of operations.

$$\begin{aligned} & \left(\underline{(-1.6)^2} - 1.8 \right) \div (-0.4) \times (-8.5) \\ & = \underline{(2.56 - 1.8)} \div (-0.4) \times (-8.5) \\ & = \underline{0.76 \div (-0.4)} \times (-8.5) \\ & = \underline{(-1.9)} \times (-8.5) \\ & = 16.15 \end{aligned}$$

$$\begin{aligned} & (-6.9)^2 + 7.5 \times \left(\underline{2.9 - (-3.2)} \right) \\ & = \underline{(-6.9)^2} + 7.5 \times 6.1 \\ & = 47.61 + \underline{7.5 \times 6.1} \\ & = \underline{47.61 + 45.75} \\ & = 93.36 \end{aligned}$$

$$\begin{aligned} & \left(\underline{8.6 - (-2.6)} \right) \times (-4.7) + (-3.3)^2 \\ & = 11.2 \times (-4.7) + \underline{(-3.3)^2} \\ & = \underline{11.2 \times (-4.7)} + 10.89 \\ & = \underline{(-52.64)} + 10.89 \\ & = -41.75 \end{aligned}$$

$$\begin{aligned} & \left(\underline{9.6 - 6.9} \right) \times (-1.7) + (6.2)^2 \\ & = 2.7 \times (-1.7) + \underline{(6.2)^2} \\ & = \underline{2.7 \times (-1.7)} + 38.44 \\ & = \underline{(-4.59)} + 38.44 \\ & = 33.85 \end{aligned}$$

$$\begin{aligned} & (-3.7) \times \left(\underline{(-7.3) + (-1.6)} - (-6.9) \right)^2 \\ & = (-3.7) \times \left(\underline{(-8.9) - (-6.9)} \right)^2 \\ & = (-3.7) \times \underline{(-2)^2} \\ & = \underline{(-3.7) \times 4} \\ & = -14.8 \end{aligned}$$

$$\begin{aligned} & \left(\underline{(-5.5) + (-3.7)} - 7.8 \right) \times (-0.3)^2 \\ & = \left(\underline{(-9.2) - 7.8} \right) \times (-0.3)^2 \\ & = (-17) \times \underline{(-0.3)^2} \\ & = \underline{(-17) \times 0.09} \\ & = -1.53 \end{aligned}$$

$$\begin{aligned} & (-1.5) \times \left((-9.6) + (-3.1) - \underline{(1.8)^2} \right) \\ & = (-1.5) \times \left(\underline{(-9.6) + (-3.1)} - 3.24 \right) \\ & = (-1.5) \times \left(\underline{(-12.7) - 3.24} \right) \\ & = \underline{(-1.5) \times (-15.94)} \\ & = 23.91 \end{aligned}$$

$$\begin{aligned} & 0.4 \times \left(\left(\underline{1.4 + (-1.4)} \right) \div (-9.4) \right)^3 \\ & = 0.4 \times \left(\underline{0 \div (-9.4)} \right)^3 \\ & = 0.4 \times \underline{0^3} \\ & = \underline{0.4 \times 0} \\ & = 0 \end{aligned}$$

Order of Operations with Decimals (I)

Name: _____

Date: _____

Solve each expression using the correct order of operations.

$$3.5 \times ((-7.4) - 4.5 + (-4.4)^2)$$

$$0.5 \times ((-8.1) - 4.4 + (0.4)^2)$$

$$6.6 + 3.7 \div (3.3 - 4.3)^3$$

$$(5.4)^2 - 7.8 \times (2.8 + (-8.6))$$

$$((-5.2) - (-4.9)) \div 2.5 + (-9.5)^2$$

$$(-2.4) \times (8.1 + (-8.9) - 5.2)^2$$

$$(3.8 - (-3.9))^2 \div (4.7 + (-5.8))$$

$$((-2.5) + 2.9) \times (3.5 - 4.5)^3$$

Order of Operations with Decimals (I) Answers

Name: _____

Date: _____

Solve each expression using the correct order of operations.

$$\begin{aligned} & 3.5 \times \left((-7.4) - 4.5 + \underline{(-4.4)^2} \right) \\ & = 3.5 \times \left(\underline{(-7.4) - 4.5} + 19.36 \right) \\ & = 3.5 \times \left(\underline{(-11.9) + 19.36} \right) \\ & = \underline{3.5 \times 7.46} \\ & = \underline{26.11} \end{aligned}$$

$$\begin{aligned} & 0.5 \times \left((-8.1) - 4.4 + \underline{(0.4)^2} \right) \\ & = 0.5 \times \left(\underline{(-8.1) - 4.4} + 0.16 \right) \\ & = 0.5 \times \left(\underline{(-12.5) + 0.16} \right) \\ & = \underline{0.5 \times (-12.34)} \\ & = \underline{-6.17} \end{aligned}$$

$$\begin{aligned} & 6.6 + 3.7 \div \underline{(3.3 - 4.3)^3} \\ & = 6.6 + 3.7 \div \underline{(-1)^3} \\ & = 6.6 + \underline{3.7 \div (-1)} \\ & = \underline{6.6 + (-3.7)} \\ & = \underline{2.9} \end{aligned}$$

$$\begin{aligned} & (5.4)^2 - 7.8 \times \underline{(2.8 + (-8.6))} \\ & = \underline{(5.4)^2} - 7.8 \times (-5.8) \\ & = 29.16 - \underline{7.8 \times (-5.8)} \\ & = \underline{29.16 - (-45.24)} \\ & = \underline{74.4} \end{aligned}$$

$$\begin{aligned} & \left(\underline{(-5.2) - (-4.9)} \right) \div 2.5 + (-9.5)^2 \\ & = (-0.3) \div 2.5 + \underline{(-9.5)^2} \\ & = \underline{(-0.3) \div 2.5} + 90.25 \\ & = \underline{(-0.12) + 90.25} \\ & = \underline{90.13} \end{aligned}$$

$$\begin{aligned} & (-2.4) \times \left(\underline{8.1 + (-8.9)} - 5.2 \right)^2 \\ & = (-2.4) \times \left(\underline{(-0.8) - 5.2} \right)^2 \\ & = (-2.4) \times \underline{(-6)^2} \\ & = \underline{(-2.4) \times 36} \\ & = \underline{-86.4} \end{aligned}$$

$$\begin{aligned} & \left(\underline{3.8 - (-3.9)} \right)^2 \div (4.7 + (-5.8)) \\ & = (7.7)^2 \div \underline{(4.7 + (-5.8))} \\ & = \underline{(7.7)^2} \div (-1.1) \\ & = \underline{59.29} \div (-1.1) \\ & = \underline{-53.9} \end{aligned}$$

$$\begin{aligned} & \left(\underline{(-2.5) + 2.9} \right) \times (3.5 - 4.5)^3 \\ & = 0.4 \times \underline{(3.5 - 4.5)^3} \\ & = 0.4 \times \underline{(-1)^3} \\ & = \underline{0.4 \times (-1)} \\ & = \underline{-0.4} \end{aligned}$$

Order of Operations with Decimals (J)

Name: _____

Date: _____

Solve each expression using the correct order of operations.

$$\left((-7.2) + (-3.9) - (-2.5)^2\right) \times (-5.2)$$

$$\left((-8.1) - (-9.1)\right)^3 \times 0.2 + 5.1$$

$$(-3.5) \times \left(2.5 - (-6.1) + (2.6)^2\right)$$

$$7.4 \times \left(0.9 + 8.7 - (-2.5)^2\right)$$

$$(6.3 \times 0.4) \div (-0.2) - (2.1)^2$$

$$\left(1.5 - (-2.7)^2\right) \times (8.3 + (-5.3))$$

$$\left(8.3 + (-4.4)^2\right) \div (-0.5) - (-4.6)$$

$$\left((-0.8) + (-3.9) - (-1.1)\right)^2 \times 2.5$$

Order of Operations with Decimals (J) Answers

Name: _____

Date: _____

Solve each expression using the correct order of operations.

$$\begin{aligned} & ((-7.2) + (-3.9) - (-2.5)^2) \times (-5.2) \\ &= ((-7.2) + (-3.9) - 6.25) \times (-5.2) \\ &= ((-11.1) - 6.25) \times (-5.2) \\ &= (-17.35) \times (-5.2) \\ &= 90.22 \end{aligned}$$

$$\begin{aligned} & ((-8.1) - (-9.1))^3 \times 0.2 + 5.1 \\ &= 1^3 \times 0.2 + 5.1 \\ &= 1 \times 0.2 + 5.1 \\ &= 0.2 + 5.1 \\ &= 5.3 \end{aligned}$$

$$\begin{aligned} & (-3.5) \times (2.5 - (-6.1) + (2.6)^2) \\ &= (-3.5) \times (2.5 - (-6.1) + 6.76) \\ &= (-3.5) \times (8.6 + 6.76) \\ &= (-3.5) \times 15.36 \\ &= -53.76 \end{aligned}$$

$$\begin{aligned} & 7.4 \times (0.9 + 8.7 - (-2.5)^2) \\ &= 7.4 \times (0.9 + 8.7 - 6.25) \\ &= 7.4 \times (9.6 - 6.25) \\ &= 7.4 \times 3.35 \\ &= 24.79 \end{aligned}$$

$$\begin{aligned} & (6.3 \times 0.4) \div (-0.2) - (2.1)^2 \\ &= 2.52 \div (-0.2) - (2.1)^2 \\ &= 2.52 \div (-0.2) - 4.41 \\ &= (-12.6) - 4.41 \\ &= -17.01 \end{aligned}$$

$$\begin{aligned} & (1.5 - (-2.7)^2) \times (8.3 + (-5.3)) \\ &= (1.5 - 7.29) \times (8.3 + (-5.3)) \\ &= (-5.79) \times (8.3 + (-5.3)) \\ &= (-5.79) \times 3 \\ &= -17.37 \end{aligned}$$

$$\begin{aligned} & (8.3 + (-4.4)^2) \div (-0.5) - (-4.6) \\ &= (8.3 + 19.36) \div (-0.5) - (-4.6) \\ &= 27.66 \div (-0.5) - (-4.6) \\ &= (-55.32) - (-4.6) \\ &= -50.72 \end{aligned}$$

$$\begin{aligned} & ((-0.8) + (-3.9) - (-1.1))^2 \times 2.5 \\ &= ((-4.7) - (-1.1))^2 \times 2.5 \\ &= (-3.6)^2 \times 2.5 \\ &= 12.96 \times 2.5 \\ &= 32.4 \end{aligned}$$