

# Order of Operations with Decimals (A)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Simplify each expression using the correct order of operations.

$$(7.1)^2 - 6.7 \times 3.1$$

$$(9.5)^2 \div (5.6 - 4.6)$$

$$(6.3)^2 + 1.9 \times 5.3$$

$$(2.8)^2 \div 1.6 + 8.7$$

$$4.2 \times 6.9 - (2.9)^2$$

$$(8.1)^2 + 6.7 \times 3.7$$

$$(3.6)^2 + 1.7 \times 5.1$$

$$7.5 \times 4.6 - (2.8)^2$$

$$(7.1)^2 - 3.8 \times 1.8$$

$$3.3 \times 5.7 + (2.9)^2$$

# Order of Operations with Decimals (A) Answers

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Simplify each expression using the correct order of operations.

$$\begin{aligned} & \underline{(7.1)^2} - 6.7 \times 3.1 \\ & = 50.41 - \underline{6.7 \times 3.1} \\ & = \underline{50.41 - 20.77} \\ & = 29.64 \end{aligned}$$

$$\begin{aligned} & (9.5)^2 \div \underline{(5.6 - 4.6)} \\ & = \underline{(9.5)^2} \div 1 \\ & = \underline{90.25} \div 1 \\ & = 90.25 \end{aligned}$$

$$\begin{aligned} & \underline{(6.3)^2} + 1.9 \times 5.3 \\ & = 39.69 + \underline{1.9 \times 5.3} \\ & = \underline{39.69 + 10.07} \\ & = 49.76 \end{aligned}$$

$$\begin{aligned} & \underline{(2.8)^2} \div 1.6 + 8.7 \\ & = \underline{7.84} \div 1.6 + 8.7 \\ & = \underline{4.9} + 8.7 \\ & = 13.6 \end{aligned}$$

$$\begin{aligned} & 4.2 \times 6.9 - \underline{(2.9)^2} \\ & = \underline{4.2 \times 6.9} - 8.41 \\ & = \underline{28.98} - 8.41 \\ & = 20.57 \end{aligned}$$

$$\begin{aligned} & \underline{(8.1)^2} + 6.7 \times 3.7 \\ & = 65.61 + \underline{6.7 \times 3.7} \\ & = \underline{65.61 + 24.79} \\ & = 90.4 \end{aligned}$$

$$\begin{aligned} & \underline{(3.6)^2} + 1.7 \times 5.1 \\ & = 12.96 + \underline{1.7 \times 5.1} \\ & = \underline{12.96 + 8.67} \\ & = 21.63 \end{aligned}$$

$$\begin{aligned} & 7.5 \times 4.6 - \underline{(2.8)^2} \\ & = \underline{7.5 \times 4.6} - 7.84 \\ & = \underline{34.5} - 7.84 \\ & = 26.66 \end{aligned}$$

$$\begin{aligned} & \underline{(7.1)^2} - 3.8 \times 1.8 \\ & = 50.41 - \underline{3.8 \times 1.8} \\ & = \underline{50.41 - 6.84} \\ & = 43.57 \end{aligned}$$

$$\begin{aligned} & 3.3 \times 5.7 + \underline{(2.9)^2} \\ & = \underline{3.3 \times 5.7} + 8.41 \\ & = \underline{18.81} + 8.41 \\ & = 27.22 \end{aligned}$$

## Order of Operations with Decimals (B)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Simplify each expression using the correct order of operations.

$$(1.3)^2 + 3.5 \times 8.1$$

$$(8.5)^2 - 7.2 \div 1.6$$

$$2.7 \times 4.6 + (5.2)^2$$

$$(8.9)^2 + 1.9 \times 2.5$$

$$6.2 \times ((2.5)^2 - 1.3)$$

$$(7.2)^2 - 1.4 \div 2.5$$

$$6.8 \times 3.5 + (4.1)^2$$

$$9.5 \times 5.3 + (1.6)^2$$

$$8.2 \times 5.5 + (3.9)^2$$

$$2.8 \times 3.3 + (3.6)^2$$

# Order of Operations with Decimals (B) Answers

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Simplify each expression using the correct order of operations.

$$\begin{aligned} & \underline{(1.3)^2} + 3.5 \times 8.1 \\ & = 1.69 + \underline{3.5 \times 8.1} \\ & = \underline{1.69 + 28.35} \\ & = 30.04 \end{aligned}$$

$$\begin{aligned} & \underline{(8.5)^2} - 7.2 \div 1.6 \\ & = 72.25 - \underline{7.2 \div 1.6} \\ & = \underline{72.25 - 4.5} \\ & = 67.75 \end{aligned}$$

$$\begin{aligned} & 2.7 \times 4.6 + \underline{(5.2)^2} \\ & = \underline{2.7 \times 4.6} + 27.04 \\ & = \underline{12.42 + 27.04} \\ & = 39.46 \end{aligned}$$

$$\begin{aligned} & \underline{(8.9)^2} + 1.9 \times 2.5 \\ & = 79.21 + \underline{1.9 \times 2.5} \\ & = \underline{79.21 + 4.75} \\ & = 83.96 \end{aligned}$$

$$\begin{aligned} & 6.2 \times \left( \underline{(2.5)^2} - 1.3 \right) \\ & = 6.2 \times \underline{(6.25 - 1.3)} \\ & = \underline{6.2 \times 4.95} \\ & = 30.69 \end{aligned}$$

$$\begin{aligned} & \underline{(7.2)^2} - 1.4 \div 2.5 \\ & = 51.84 - \underline{1.4 \div 2.5} \\ & = \underline{51.84 - 0.56} \\ & = 51.28 \end{aligned}$$

$$\begin{aligned} & 6.8 \times 3.5 + \underline{(4.1)^2} \\ & = \underline{6.8 \times 3.5} + 16.81 \\ & = \underline{23.8 + 16.81} \\ & = 40.61 \end{aligned}$$

$$\begin{aligned} & 9.5 \times 5.3 + \underline{(1.6)^2} \\ & = \underline{9.5 \times 5.3} + 2.56 \\ & = \underline{50.35 + 2.56} \\ & = 52.91 \end{aligned}$$

$$\begin{aligned} & 8.2 \times 5.5 + \underline{(3.9)^2} \\ & = \underline{8.2 \times 5.5} + 15.21 \\ & = \underline{45.1 + 15.21} \\ & = 60.31 \end{aligned}$$

$$\begin{aligned} & 2.8 \times 3.3 + \underline{(3.6)^2} \\ & = \underline{2.8 \times 3.3} + 12.96 \\ & = \underline{9.24 + 12.96} \\ & = 22.2 \end{aligned}$$

## Order of Operations with Decimals (C)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Simplify each expression using the correct order of operations.

$$(8.6 - (2.5)^2) \times 7.4$$

$$(1.6)^2 + 1.7 \times 9.5$$

$$(2.3)^2 + 5.3 \times 8.6$$

$$4.5 \times 3.7 + (7.1)^2$$

$$(8.3)^2 + 5.4 \times 4.7$$

$$(2.2 + (2.5)^2) \times 3.4$$

$$3.9 \times 6.6 + (2.6)^2$$

$$6.3 \times 4.4 + (2.1)^2$$

$$(4.8)^2 + 1.4 \times 6.6$$

$$(5.4)^2 - 2.9 \times 5.8$$

# Order of Operations with Decimals (C) Answers

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Simplify each expression using the correct order of operations.

$$\begin{aligned} & (8.6 - \underline{(2.5)^2}) \times 7.4 \\ &= \underline{(8.6 - 6.25)} \times 7.4 \\ &= \underline{2.35 \times 7.4} \\ &= 17.39 \end{aligned}$$

$$\begin{aligned} & \underline{(1.6)^2} + 1.7 \times 9.5 \\ &= 2.56 + \underline{1.7 \times 9.5} \\ &= \underline{2.56 + 16.15} \\ &= 18.71 \end{aligned}$$

$$\begin{aligned} & \underline{(2.3)^2} + 5.3 \times 8.6 \\ &= 5.29 + \underline{5.3 \times 8.6} \\ &= \underline{5.29 + 45.58} \\ &= 50.87 \end{aligned}$$

$$\begin{aligned} & 4.5 \times 3.7 + \underline{(7.1)^2} \\ &= \underline{4.5 \times 3.7} + 50.41 \\ &= \underline{16.65 + 50.41} \\ &= 67.06 \end{aligned}$$

$$\begin{aligned} & \underline{(8.3)^2} + 5.4 \times 4.7 \\ &= 68.89 + \underline{5.4 \times 4.7} \\ &= \underline{68.89 + 25.38} \\ &= 94.27 \end{aligned}$$

$$\begin{aligned} & (2.2 + \underline{(2.5)^2}) \times 3.4 \\ &= \underline{(2.2 + 6.25)} \times 3.4 \\ &= \underline{8.45 \times 3.4} \\ &= 28.73 \end{aligned}$$

$$\begin{aligned} & 3.9 \times 6.6 + \underline{(2.6)^2} \\ &= \underline{3.9 \times 6.6} + 6.76 \\ &= \underline{25.74 + 6.76} \\ &= 32.5 \end{aligned}$$

$$\begin{aligned} & 6.3 \times 4.4 + \underline{(2.1)^2} \\ &= \underline{6.3 \times 4.4} + 4.41 \\ &= \underline{27.72 + 4.41} \\ &= 32.13 \end{aligned}$$

$$\begin{aligned} & \underline{(4.8)^2} + 1.4 \times 6.6 \\ &= 23.04 + \underline{1.4 \times 6.6} \\ &= \underline{23.04 + 9.24} \\ &= 32.28 \end{aligned}$$

$$\begin{aligned} & \underline{(5.4)^2} - 2.9 \times 5.8 \\ &= 29.16 - \underline{2.9 \times 5.8} \\ &= \underline{29.16 - 16.82} \\ &= 12.34 \end{aligned}$$

# Order of Operations with Decimals (D)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Simplify each expression using the correct order of operations.

$$6.4 \times 9.7 + (2.8)^2$$

$$(7.8 + (5.6)^2) \div 4.4$$

$$6.8 \times (8.9 - 7.9)^3$$

$$(2.9)^2 + 1.3 \div 2.5$$

$$(8.8)^2 - 7.2 \div 4.5$$

$$1.7 \times 2.8 - (1.8)^2$$

$$2.4 \times 8.4 + (2.2)^2$$

$$(8.8)^2 - 5.4 \times 5.5$$

$$(1.4)^2 \div 9.8 + 7.7$$

$$6.4 \times 3.5 + (8.2)^2$$

# Order of Operations with Decimals (D) Answers

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Simplify each expression using the correct order of operations.

$$\begin{aligned} & 6.4 \times 9.7 + \underline{(2.8)^2} \\ & = \underline{6.4 \times 9.7} + 7.84 \\ & = \underline{62.08 + 7.84} \\ & = 69.92 \end{aligned}$$

$$\begin{aligned} & \underline{(7.8 + (5.6)^2)} \div 4.4 \\ & = \underline{(7.8 + 31.36)} \div 4.4 \\ & = \underline{39.16 \div 4.4} \\ & = 8.9 \end{aligned}$$

$$\begin{aligned} & 6.8 \times \underline{(8.9 - 7.9)^3} \\ & = 6.8 \times \underline{1^3} \\ & = \underline{6.8 \times 1} \\ & = 6.8 \end{aligned}$$

$$\begin{aligned} & \underline{(2.9)^2} + 1.3 \div 2.5 \\ & = 8.41 + \underline{1.3 \div 2.5} \\ & = \underline{8.41 + 0.52} \\ & = 8.93 \end{aligned}$$

$$\begin{aligned} & \underline{(8.8)^2} - 7.2 \div 4.5 \\ & = 77.44 - \underline{7.2 \div 4.5} \\ & = \underline{77.44 - 1.6} \\ & = 75.84 \end{aligned}$$

$$\begin{aligned} & 1.7 \times 2.8 - \underline{(1.8)^2} \\ & = \underline{1.7 \times 2.8} - 3.24 \\ & = \underline{4.76 - 3.24} \\ & = 1.52 \end{aligned}$$

$$\begin{aligned} & 2.4 \times 8.4 + \underline{(2.2)^2} \\ & = \underline{2.4 \times 8.4} + 4.84 \\ & = \underline{20.16 + 4.84} \\ & = 25 \end{aligned}$$

$$\begin{aligned} & \underline{(8.8)^2} - 5.4 \times 5.5 \\ & = 77.44 - \underline{5.4 \times 5.5} \\ & = \underline{77.44 - 29.7} \\ & = 47.74 \end{aligned}$$

$$\begin{aligned} & \underline{(1.4)^2} \div 9.8 + 7.7 \\ & = \underline{1.96 \div 9.8} + 7.7 \\ & = \underline{0.2 + 7.7} \\ & = 7.9 \end{aligned}$$

$$\begin{aligned} & 6.4 \times 3.5 + \underline{(8.2)^2} \\ & = \underline{6.4 \times 3.5} + 67.24 \\ & = \underline{22.4 + 67.24} \\ & = 89.64 \end{aligned}$$

## Order of Operations with Decimals (E)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Simplify each expression using the correct order of operations.

$$8.3 + 2.5 \times (2.2)^2$$

$$(5.4)^2 - 7.1 \times 3.1$$

$$1.1 + (2.8)^2 \times 4.5$$

$$(5.1 - 4.6) \times (6.8)^2$$

$$(2.4)^2 + 3.9 \times 7.6$$

$$(7.5)^2 - 2.5 \times 1.9$$

$$9.2 \times 6.5 + (5.7)^2$$

$$(2.7)^2 + 5.2 \times 6.1$$

$$(1.5)^2 \times 3.4 + 2.6$$

$$6.8 + (2.5)^2 \times 1.8$$

# Order of Operations with Decimals (E) Answers

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Simplify each expression using the correct order of operations.

$$\begin{aligned} & 8.3 + 2.5 \times (2.2)^2 \\ & = 8.3 + 2.5 \times 4.84 \\ & = 8.3 + 12.1 \\ & = 20.4 \end{aligned}$$

$$\begin{aligned} & (5.4)^2 - 7.1 \times 3.1 \\ & = 29.16 - 7.1 \times 3.1 \\ & = 29.16 - 22.01 \\ & = 7.15 \end{aligned}$$

$$\begin{aligned} & 1.1 + (2.8)^2 \times 4.5 \\ & = 1.1 + 7.84 \times 4.5 \\ & = 1.1 + 35.28 \\ & = 36.38 \end{aligned}$$

$$\begin{aligned} & (5.1 - 4.6) \times (6.8)^2 \\ & = 0.5 \times (6.8)^2 \\ & = 0.5 \times 46.24 \\ & = 23.12 \end{aligned}$$

$$\begin{aligned} & (2.4)^2 + 3.9 \times 7.6 \\ & = 5.76 + 3.9 \times 7.6 \\ & = 5.76 + 29.64 \\ & = 35.4 \end{aligned}$$

$$\begin{aligned} & (7.5)^2 - 2.5 \times 1.9 \\ & = 56.25 - 2.5 \times 1.9 \\ & = 56.25 - 4.75 \\ & = 51.5 \end{aligned}$$

$$\begin{aligned} & 9.2 \times 6.5 + (5.7)^2 \\ & = 9.2 \times 6.5 + 32.49 \\ & = 59.8 + 32.49 \\ & = 92.29 \end{aligned}$$

$$\begin{aligned} & (2.7)^2 + 5.2 \times 6.1 \\ & = 7.29 + 5.2 \times 6.1 \\ & = 7.29 + 31.72 \\ & = 39.01 \end{aligned}$$

$$\begin{aligned} & (1.5)^2 \times 3.4 + 2.6 \\ & = 2.25 \times 3.4 + 2.6 \\ & = 7.65 + 2.6 \\ & = 10.25 \end{aligned}$$

$$\begin{aligned} & 6.8 + (2.5)^2 \times 1.8 \\ & = 6.8 + 6.25 \times 1.8 \\ & = 6.8 + 11.25 \\ & = 18.05 \end{aligned}$$

# Order of Operations with Decimals (F)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Simplify each expression using the correct order of operations.

$$9.3 \times 1.3 - (1.6)^2$$

$$2.5 \times 2.7 + (2.4)^2$$

$$9.6 \times 4.5 + (3.4)^2$$

$$(9.1 - (1.6)^2) \times 3.5$$

$$8.4 \times 8.5 - (2.2)^2$$

$$(5.9)^2 - 2.4 \times 4.7$$

$$8.5 \times (1.6)^2 + 2.4$$

$$(6.5)^2 + 4.6 \times 3.7$$

$$7.2 \times 3.8 - (3.7)^2$$

$$7.1 \times 1.9 + (3.7)^2$$

# Order of Operations with Decimals (F) Answers

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Simplify each expression using the correct order of operations.

$$\begin{aligned} & 9.3 \times 1.3 - \underline{(1.6)^2} \\ & = \underline{9.3 \times 1.3} - 2.56 \\ & = \underline{12.09 - 2.56} \\ & = 9.53 \end{aligned}$$

$$\begin{aligned} & 2.5 \times 2.7 + \underline{(2.4)^2} \\ & = \underline{2.5 \times 2.7} + 5.76 \\ & = \underline{6.75 + 5.76} \\ & = 12.51 \end{aligned}$$

$$\begin{aligned} & 9.6 \times 4.5 + \underline{(3.4)^2} \\ & = \underline{9.6 \times 4.5} + 11.56 \\ & = \underline{43.2 + 11.56} \\ & = 54.76 \end{aligned}$$

$$\begin{aligned} & (9.1 - \underline{(1.6)^2}) \times 3.5 \\ & = (\underline{9.1 - 2.56}) \times 3.5 \\ & = \underline{6.54 \times 3.5} \\ & = 22.89 \end{aligned}$$

$$\begin{aligned} & 8.4 \times 8.5 - \underline{(2.2)^2} \\ & = \underline{8.4 \times 8.5} - 4.84 \\ & = \underline{71.4 - 4.84} \\ & = 66.56 \end{aligned}$$

$$\begin{aligned} & \underline{(5.9)^2} - 2.4 \times 4.7 \\ & = 34.81 - \underline{2.4 \times 4.7} \\ & = \underline{34.81 - 11.28} \\ & = 23.53 \end{aligned}$$

$$\begin{aligned} & 8.5 \times \underline{(1.6)^2} + 2.4 \\ & = \underline{8.5 \times 2.56} + 2.4 \\ & = \underline{21.76 + 2.4} \\ & = 24.16 \end{aligned}$$

$$\begin{aligned} & \underline{(6.5)^2} + 4.6 \times 3.7 \\ & = 42.25 + \underline{4.6 \times 3.7} \\ & = \underline{42.25 + 17.02} \\ & = 59.27 \end{aligned}$$

$$\begin{aligned} & 7.2 \times 3.8 - \underline{(3.7)^2} \\ & = \underline{7.2 \times 3.8} - 13.69 \\ & = \underline{27.36 - 13.69} \\ & = 13.67 \end{aligned}$$

$$\begin{aligned} & 7.1 \times 1.9 + \underline{(3.7)^2} \\ & = \underline{7.1 \times 1.9} + 13.69 \\ & = \underline{13.49 + 13.69} \\ & = 27.18 \end{aligned}$$

# Order of Operations with Decimals (G)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Simplify each expression using the correct order of operations.

$$6.1 \times 9.4 - (2.3)^2$$

$$(1.9)^2 + 5.4 \times 6.5$$

$$(5.6)^2 \div 1.6 - 5.9$$

$$8.6 \times 3.75 + (5.5)^2$$

$$(5.7)^2 - 4.2 \times 5.5$$

$$(3.6)^2 + 2.8 \times 4.4$$

$$(1.5)^2 \times (2.3 + 2.9)$$

$$(5.9 + (5.8)^2) \times 1.5$$

$$(3.8)^2 - 3.9 \times 2.6$$

$$3.5 \times 6.8 + (6.6)^2$$

# Order of Operations with Decimals (G) Answers

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Simplify each expression using the correct order of operations.

$$\begin{aligned} & 6.1 \times 9.4 - \underline{(2.3)^2} \\ & = \underline{6.1 \times 9.4} - 5.29 \\ & = \underline{57.34 - 5.29} \\ & = 52.05 \end{aligned}$$

$$\begin{aligned} & \underline{(1.9)^2} + 5.4 \times 6.5 \\ & = 3.61 + \underline{5.4 \times 6.5} \\ & = \underline{3.61 + 35.1} \\ & = 38.71 \end{aligned}$$

$$\begin{aligned} & \underline{(5.6)^2} \div 1.6 - 5.9 \\ & = \underline{31.36 \div 1.6} - 5.9 \\ & = \underline{19.6 - 5.9} \\ & = 13.7 \end{aligned}$$

$$\begin{aligned} & 8.6 \times 3.75 + \underline{(5.5)^2} \\ & = \underline{8.6 \times 3.75} + 30.25 \\ & = \underline{32.25 + 30.25} \\ & = 62.5 \end{aligned}$$

$$\begin{aligned} & \underline{(5.7)^2} - 4.2 \times 5.5 \\ & = 32.49 - \underline{4.2 \times 5.5} \\ & = \underline{32.49 - 23.1} \\ & = 9.39 \end{aligned}$$

$$\begin{aligned} & \underline{(3.6)^2} + 2.8 \times 4.4 \\ & = 12.96 + \underline{2.8 \times 4.4} \\ & = \underline{12.96 + 12.32} \\ & = 25.28 \end{aligned}$$

$$\begin{aligned} & (1.5)^2 \times \underline{(2.3 + 2.9)} \\ & = \underline{(1.5)^2} \times 5.2 \\ & = \underline{2.25 \times 5.2} \\ & = 11.7 \end{aligned}$$

$$\begin{aligned} & (5.9 + \underline{(5.8)^2}) \times 1.5 \\ & = \underline{(5.9 + 33.64)} \times 1.5 \\ & = \underline{39.54 \times 1.5} \\ & = 59.31 \end{aligned}$$

$$\begin{aligned} & \underline{(3.8)^2} - 3.9 \times 2.6 \\ & = 14.44 - \underline{3.9 \times 2.6} \\ & = \underline{14.44 - 10.14} \\ & = 4.3 \end{aligned}$$

$$\begin{aligned} & 3.5 \times 6.8 + \underline{(6.6)^2} \\ & = \underline{3.5 \times 6.8} + 43.56 \\ & = \underline{23.8 + 43.56} \\ & = 67.36 \end{aligned}$$

# Order of Operations with Decimals (H)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Simplify each expression using the correct order of operations.

$$(1.5)^2 + 7.8 \times 2.6$$

$$4.6 \times (4.5)^2 - 2.4$$

$$2.5 \times 1.6 + (7.5)^2$$

$$(6.9)^2 \div (9.3 - 7.8)$$

$$(8.6)^2 - 2.5 \times 6.5$$

$$1.4 \times (7.1 - 1.6)^2$$

$$(1.4 - 1.4)^2 \times 5.2$$

$$(7.9)^2 - 2.3 \times 4.6$$

$$(5.9)^2 + 1.6 \times 5.5$$

$$(3.4)^2 + 1.5 \times 5.3$$

# Order of Operations with Decimals (H) Answers

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Simplify each expression using the correct order of operations.

$$\begin{aligned} & \underline{(1.5)^2} + 7.8 \times 2.6 \\ & = 2.25 + \underline{7.8 \times 2.6} \\ & = \underline{2.25 + 20.28} \\ & = 22.53 \end{aligned}$$

$$\begin{aligned} & 4.6 \times \underline{(4.5)^2} - 2.4 \\ & = \underline{4.6 \times 20.25} - 2.4 \\ & = \underline{93.15 - 2.4} \\ & = 90.75 \end{aligned}$$

$$\begin{aligned} & 2.5 \times 1.6 + \underline{(7.5)^2} \\ & = \underline{2.5 \times 1.6} + 56.25 \\ & = \underline{4 + 56.25} \\ & = 60.25 \end{aligned}$$

$$\begin{aligned} & (6.9)^2 \div \underline{(9.3 - 7.8)} \\ & = \underline{(6.9)^2} \div 1.5 \\ & = \underline{47.61 \div 1.5} \\ & = 31.74 \end{aligned}$$

$$\begin{aligned} & \underline{(8.6)^2} - 2.5 \times 6.5 \\ & = 73.96 - \underline{2.5 \times 6.5} \\ & = \underline{73.96 - 16.25} \\ & = 57.71 \end{aligned}$$

$$\begin{aligned} & 1.4 \times \underline{(7.1 - 1.6)^2} \\ & = 1.4 \times \underline{(5.5)^2} \\ & = \underline{1.4 \times 30.25} \\ & = 42.35 \end{aligned}$$

$$\begin{aligned} & \underline{(1.4 - 1.4)^2} \times 5.2 \\ & = \underline{0^2} \times 5.2 \\ & = \underline{0 \times 5.2} \\ & = 0 \end{aligned}$$

$$\begin{aligned} & \underline{(7.9)^2} - 2.3 \times 4.6 \\ & = 62.41 - \underline{2.3 \times 4.6} \\ & = \underline{62.41 - 10.58} \\ & = 51.83 \end{aligned}$$

$$\begin{aligned} & \underline{(5.9)^2} + 1.6 \times 5.5 \\ & = 34.81 + \underline{1.6 \times 5.5} \\ & = \underline{34.81 + 8.8} \\ & = 43.61 \end{aligned}$$

$$\begin{aligned} & \underline{(3.4)^2} + 1.5 \times 5.3 \\ & = 11.56 + \underline{1.5 \times 5.3} \\ & = \underline{11.56 + 7.95} \\ & = 19.51 \end{aligned}$$

# Order of Operations with Decimals (I)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Simplify each expression using the correct order of operations.

$$1.5 \times 9.8 + (6.1)^2$$

$$9.3 \times 2.8 + (5.6)^2$$

$$9.4 \div 1.25 + (5.2)^2$$

$$8.4 \times 2.1 + (7.6)^2$$

$$(1.5)^2 + 2.2 \times 1.6$$

$$(1.1)^2 + 4.8 \times 2.8$$

$$7.3 \times 2.3 - (2.8)^2$$

$$9.1 \times 8.1 - (1.7)^2$$

$$7.7 \times 1.4 - (1.3)^2$$

$$2.6 + (6.5)^2 \div 1.25$$

# Order of Operations with Decimals (I) Answers

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Simplify each expression using the correct order of operations.

$$\begin{aligned} & 1.5 \times 9.8 + \underline{(6.1)^2} \\ & = \underline{1.5 \times 9.8} + 37.21 \\ & = \underline{14.7 + 37.21} \\ & = 51.91 \end{aligned}$$

$$\begin{aligned} & 9.3 \times 2.8 + \underline{(5.6)^2} \\ & = \underline{9.3 \times 2.8} + 31.36 \\ & = \underline{26.04 + 31.36} \\ & = 57.4 \end{aligned}$$

$$\begin{aligned} & 9.4 \div 1.25 + \underline{(5.2)^2} \\ & = \underline{9.4 \div 1.25} + 27.04 \\ & = \underline{7.52 + 27.04} \\ & = 34.56 \end{aligned}$$

$$\begin{aligned} & 8.4 \times 2.1 + \underline{(7.6)^2} \\ & = \underline{8.4 \times 2.1} + 57.76 \\ & = \underline{17.64 + 57.76} \\ & = 75.4 \end{aligned}$$

$$\begin{aligned} & \underline{(1.5)^2} + 2.2 \times 1.6 \\ & = 2.25 + \underline{2.2 \times 1.6} \\ & = \underline{2.25 + 3.52} \\ & = 5.77 \end{aligned}$$

$$\begin{aligned} & \underline{(1.1)^2} + 4.8 \times 2.8 \\ & = 1.21 + \underline{4.8 \times 2.8} \\ & = \underline{1.21 + 13.44} \\ & = 14.65 \end{aligned}$$

$$\begin{aligned} & 7.3 \times 2.3 - \underline{(2.8)^2} \\ & = \underline{7.3 \times 2.3} - 7.84 \\ & = \underline{16.79 - 7.84} \\ & = 8.95 \end{aligned}$$

$$\begin{aligned} & 9.1 \times 8.1 - \underline{(1.7)^2} \\ & = \underline{9.1 \times 8.1} - 2.89 \\ & = \underline{73.71 - 2.89} \\ & = 70.82 \end{aligned}$$

$$\begin{aligned} & 7.7 \times 1.4 - \underline{(1.3)^2} \\ & = \underline{7.7 \times 1.4} - 1.69 \\ & = \underline{10.78 - 1.69} \\ & = 9.09 \end{aligned}$$

$$\begin{aligned} & 2.6 + \underline{(6.5)^2} \div 1.25 \\ & = 2.6 + \underline{42.25 \div 1.25} \\ & = \underline{2.6 + 33.8} \\ & = 36.4 \end{aligned}$$

# Order of Operations with Decimals (J)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Simplify each expression using the correct order of operations.

$$6.3 \times 4.4 + (3.6)^2$$

$$(8.3)^2 + 6.6 \times 3.9$$

$$(1.4)^2 + 2.1 \times 4.9$$

$$(1.1)^2 + 9.9 \times 7.8$$

$$(8.1)^2 - 8.8 \times 1.9$$

$$4.7 \times (5.6 - 1.6)^2$$

$$5.6 \times (2.5)^2 - 2.1$$

$$(4.5)^2 - 6.7 \times 2.4$$

$$2.5 \times (4.6)^2 + 5.7$$

$$2.2 \times 8.4 + (5.8)^2$$

# Order of Operations with Decimals (J) Answers

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Simplify each expression using the correct order of operations.

$$\begin{aligned} &6.3 \times 4.4 + \underline{(3.6)^2} \\ &= \underline{6.3 \times 4.4} + 12.96 \\ &= \underline{27.72 + 12.96} \\ &= 40.68 \end{aligned}$$

$$\begin{aligned} &\underline{(8.3)^2} + 6.6 \times 3.9 \\ &= 68.89 + \underline{6.6 \times 3.9} \\ &= \underline{68.89 + 25.74} \\ &= 94.63 \end{aligned}$$

$$\begin{aligned} &\underline{(1.4)^2} + 2.1 \times 4.9 \\ &= 1.96 + \underline{2.1 \times 4.9} \\ &= \underline{1.96 + 10.29} \\ &= 12.25 \end{aligned}$$

$$\begin{aligned} &\underline{(1.1)^2} + 9.9 \times 7.8 \\ &= 1.21 + \underline{9.9 \times 7.8} \\ &= \underline{1.21 + 77.22} \\ &= 78.43 \end{aligned}$$

$$\begin{aligned} &\underline{(8.1)^2} - 8.8 \times 1.9 \\ &= 65.61 - \underline{8.8 \times 1.9} \\ &= \underline{65.61 - 16.72} \\ &= 48.89 \end{aligned}$$

$$\begin{aligned} &4.7 \times \underline{(5.6 - 1.6)^2} \\ &= 4.7 \times \underline{4^2} \\ &= \underline{4.7 \times 16} \\ &= 75.2 \end{aligned}$$

$$\begin{aligned} &5.6 \times \underline{(2.5)^2} - 2.1 \\ &= \underline{5.6 \times 6.25} - 2.1 \\ &= \underline{35 - 2.1} \\ &= 32.9 \end{aligned}$$

$$\begin{aligned} &\underline{(4.5)^2} - 6.7 \times 2.4 \\ &= 20.25 - \underline{6.7 \times 2.4} \\ &= \underline{20.25 - 16.08} \\ &= 4.17 \end{aligned}$$

$$\begin{aligned} &2.5 \times \underline{(4.6)^2} + 5.7 \\ &= \underline{2.5 \times 21.16} + 5.7 \\ &= \underline{52.9 + 5.7} \\ &= 58.6 \end{aligned}$$

$$\begin{aligned} &2.2 \times 8.4 + \underline{(5.8)^2} \\ &= \underline{2.2 \times 8.4} + 33.64 \\ &= \underline{18.48 + 33.64} \\ &= 52.12 \end{aligned}$$