

# Order of Operations with Decimals (A)

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

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

Simplify each expression using the correct order of operations.

$$1.6 \times (1.7 + 2.5)$$

$$5.9 - (1.4)^2$$

$$7.5 + (7.2)^2$$

$$9.4 \times (5.4 - 1.8)$$

$$6.2 + (6.4)^2$$

$$5.5 \div (2.5)^2$$

$$6.6 \times 4.3 + 7.6$$

$$(4.8)^2 - 2.5$$

$$(3.75 + 7.8) \times 4.8$$

$$1.4 + (7.8)^2$$

# Order of Operations with Decimals (A) Answers

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

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

Simplify each expression using the correct order of operations.

$$\begin{aligned} &1.6 \times (1.7 + 2.5) \\ &= 1.6 \times 4.2 \\ &= 6.72 \end{aligned}$$

$$\begin{aligned} &5.9 - (1.4)^2 \\ &= 5.9 - 1.96 \\ &= 3.94 \end{aligned}$$

$$\begin{aligned} &7.5 + (7.2)^2 \\ &= 7.5 + 51.84 \\ &= 59.34 \end{aligned}$$

$$\begin{aligned} &9.4 \times (5.4 - 1.8) \\ &= 9.4 \times 3.6 \\ &= 33.84 \end{aligned}$$

$$\begin{aligned} &6.2 + (6.4)^2 \\ &= 6.2 + 40.96 \\ &= 47.16 \end{aligned}$$

$$\begin{aligned} &5.5 \div (2.5)^2 \\ &= 5.5 \div 6.25 \\ &= 0.88 \end{aligned}$$

$$\begin{aligned} &6.6 \times 4.3 + 7.6 \\ &= 28.38 + 7.6 \\ &= 35.98 \end{aligned}$$

$$\begin{aligned} &(4.8)^2 - 2.5 \\ &= 23.04 - 2.5 \\ &= 20.54 \end{aligned}$$

$$\begin{aligned} &(3.75 + 7.8) \times 4.8 \\ &= 11.55 \times 4.8 \\ &= 55.44 \end{aligned}$$

$$\begin{aligned} &1.4 + (7.8)^2 \\ &= 1.4 + 60.84 \\ &= 62.24 \end{aligned}$$

## Order of Operations with Decimals (B)

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

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

Simplify each expression using the correct order of operations.

$$(8.6 - 6.9) \times 3.3$$

$$6.7 + (8.3)^2$$

$$3.2 \times 9.7 - 5.6$$

$$7.6 \times (2.8 + 2.2)$$

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

$$(8.7)^2 - 8.2$$

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

$$(6.7)^2 - 8.5$$

$$3.2 \times 6.4 + 6.7$$

$$6.7 + 6.6 \times 8.7$$

# Order of Operations with Decimals (B) Answers

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

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

Simplify each expression using the correct order of operations.

$$\begin{aligned} & (\underline{8.6 - 6.9}) \times 3.3 \\ &= \underline{1.7 \times 3.3} \\ &= 5.61 \end{aligned}$$

$$\begin{aligned} & 6.7 + \underline{(8.3)^2} \\ &= \underline{6.7 + 68.89} \\ &= 75.59 \end{aligned}$$

$$\begin{aligned} & \underline{3.2 \times 9.7} - 5.6 \\ &= \underline{31.04 - 5.6} \\ &= 25.44 \end{aligned}$$

$$\begin{aligned} & 7.6 \times \underline{(2.8 + 2.2)} \\ &= \underline{7.6 \times 5} \\ &= 38 \end{aligned}$$

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

$$\begin{aligned} & \underline{(8.7)^2} - 8.2 \\ &= \underline{75.69 - 8.2} \\ &= 67.49 \end{aligned}$$

$$\begin{aligned} & \underline{(1.6)^2} \times 1.5 \\ &= \underline{2.56 \times 1.5} \\ &= 3.84 \end{aligned}$$

$$\begin{aligned} & \underline{(6.7)^2} - 8.5 \\ &= \underline{44.89 - 8.5} \\ &= 36.39 \end{aligned}$$

$$\begin{aligned} & \underline{3.2 \times 6.4} + 6.7 \\ &= \underline{20.48 + 6.7} \\ &= 27.18 \end{aligned}$$

$$\begin{aligned} & 6.7 + \underline{6.6 \times 8.7} \\ &= \underline{6.7 + 57.42} \\ &= 64.12 \end{aligned}$$

## Order of Operations with Decimals (C)

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

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

Simplify each expression using the correct order of operations.

$$1.9 \times (1.4 + 7.9)$$

$$(5.6)^2 - 7.8$$

$$(2.6)^2 - 3.4$$

$$(8.3 - 1.2) \times 9.1$$

$$4.4 + (7.9)^2$$

$$(1.4 - 1.4) \div 2.7$$

$$(1.4 + 4.1) \times 2.6$$

$$(8.6 - 2.5) \times 8.2$$

$$9.1 \times (1.9 - 1.4)$$

$$1.1 \times (6.1 + 3.6)$$

# Order of Operations with Decimals (C) Answers

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

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

Simplify each expression using the correct order of operations.

$$\begin{aligned} &1.9 \times (1.4 + 7.9) \\ &= 1.9 \times 9.3 \\ &= 17.67 \end{aligned}$$

$$\begin{aligned} &\underline{(5.6)^2} - 7.8 \\ &= \underline{31.36 - 7.8} \\ &= 23.56 \end{aligned}$$

$$\begin{aligned} &\underline{(2.6)^2} - 3.4 \\ &= \underline{6.76 - 3.4} \\ &= 3.36 \end{aligned}$$

$$\begin{aligned} &\underline{(8.3 - 1.2)} \times 9.1 \\ &= \underline{7.1 \times 9.1} \\ &= 64.61 \end{aligned}$$

$$\begin{aligned} &4.4 + \underline{(7.9)^2} \\ &= \underline{4.4 + 62.41} \\ &= 66.81 \end{aligned}$$

$$\begin{aligned} &\underline{(1.4 - 1.4)} \div 2.7 \\ &= \underline{0 \div 2.7} \\ &= 0 \end{aligned}$$

$$\begin{aligned} &\underline{(1.4 + 4.1)} \times 2.6 \\ &= \underline{5.5 \times 2.6} \\ &= 14.3 \end{aligned}$$

$$\begin{aligned} &\underline{(8.6 - 2.5)} \times 8.2 \\ &= \underline{6.1 \times 8.2} \\ &= 50.02 \end{aligned}$$

$$\begin{aligned} &9.1 \times \underline{(1.9 - 1.4)} \\ &= \underline{9.1 \times 0.5} \\ &= 4.55 \end{aligned}$$

$$\begin{aligned} &1.1 \times \underline{(6.1 + 3.6)} \\ &= \underline{1.1 \times 9.7} \\ &= 10.67 \end{aligned}$$

## Order of Operations with Decimals (D)

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

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

Simplify each expression using the correct order of operations.

$$9.8 + (9.3)^2$$

$$(5.4)^2 \div 7.2$$

$$5.6 \times 2.2 - 5.3$$

$$5.5 + 9.6 \times 2.5$$

$$7.7 + (6.9)^2$$

$$6.9 + (2.5)^2$$

$$2.7 + (1.5)^2$$

$$6.5 + (1.4)^2$$

$$2.8 \times (9.3 + 2.6)$$

$$(4.2)^2 - 7.8$$

# Order of Operations with Decimals (D) Answers

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

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

Simplify each expression using the correct order of operations.

$$\begin{aligned} & 9.8 + \underline{(9.3)^2} \\ & = \underline{9.8 + 86.49} \\ & = 96.29 \end{aligned}$$

$$\begin{aligned} & \underline{(5.4)^2} \div 7.2 \\ & = \underline{29.16 \div 7.2} \\ & = 4.05 \end{aligned}$$

$$\begin{aligned} & \underline{5.6 \times 2.2} - 5.3 \\ & = \underline{12.32 - 5.3} \\ & = 7.02 \end{aligned}$$

$$\begin{aligned} & 5.5 + \underline{9.6 \times 2.5} \\ & = \underline{5.5 + 24} \\ & = 29.5 \end{aligned}$$

$$\begin{aligned} & 7.7 + \underline{(6.9)^2} \\ & = \underline{7.7 + 47.61} \\ & = 55.31 \end{aligned}$$

$$\begin{aligned} & 6.9 + \underline{(2.5)^2} \\ & = \underline{6.9 + 6.25} \\ & = 13.15 \end{aligned}$$

$$\begin{aligned} & 2.7 + \underline{(1.5)^2} \\ & = \underline{2.7 + 2.25} \\ & = 4.95 \end{aligned}$$

$$\begin{aligned} & 6.5 + \underline{(1.4)^2} \\ & = \underline{6.5 + 1.96} \\ & = 8.46 \end{aligned}$$

$$\begin{aligned} & 2.8 \times \underline{(9.3 + 2.6)} \\ & = \underline{2.8 \times 11.9} \\ & = 33.32 \end{aligned}$$

$$\begin{aligned} & \underline{(4.2)^2} - 7.8 \\ & = \underline{17.64 - 7.8} \\ & = 9.84 \end{aligned}$$

## Order of Operations with Decimals (E)

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

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

Simplify each expression using the correct order of operations.

$$7.9 - 1.9 \times 2.2$$

$$(8.6 + 1.4) \times 5.6$$

$$4.1 + 8.7 \times 3.8$$

$$2.9 \times 4.8 + 7.1$$

$$8.2 \times (1.1 + 5.3)$$

$$3.3 + (7.4)^2$$

$$(6.5 + 7.6) \times 4.7$$

$$9.1 + (7.2)^2$$

$$(8.7 - 2.5) \times 4.8$$

$$4.6 \times 1.1 + 1.8$$

# Order of Operations with Decimals (E) Answers

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

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

Simplify each expression using the correct order of operations.

$$\begin{aligned} &7.9 - \underline{1.9 \times 2.2} \\ &= \underline{7.9 - 4.18} \\ &= 3.72 \end{aligned}$$

$$\begin{aligned} &(\underline{8.6 + 1.4}) \times 5.6 \\ &= \underline{10 \times 5.6} \\ &= 56 \end{aligned}$$

$$\begin{aligned} &4.1 + \underline{8.7 \times 3.8} \\ &= \underline{4.1 + 33.06} \\ &= 37.16 \end{aligned}$$

$$\begin{aligned} &\underline{2.9 \times 4.8} + 7.1 \\ &= \underline{13.92 + 7.1} \\ &= 21.02 \end{aligned}$$

$$\begin{aligned} &8.2 \times (\underline{1.1 + 5.3}) \\ &= \underline{8.2 \times 6.4} \\ &= 52.48 \end{aligned}$$

$$\begin{aligned} &3.3 + \underline{(7.4)^2} \\ &= \underline{3.3 + 54.76} \\ &= 58.06 \end{aligned}$$

$$\begin{aligned} &(\underline{6.5 + 7.6}) \times 4.7 \\ &= \underline{14.1 \times 4.7} \\ &= 66.27 \end{aligned}$$

$$\begin{aligned} &9.1 + \underline{(7.2)^2} \\ &= \underline{9.1 + 51.84} \\ &= 60.94 \end{aligned}$$

$$\begin{aligned} &(\underline{8.7 - 2.5}) \times 4.8 \\ &= \underline{6.2 \times 4.8} \\ &= 29.76 \end{aligned}$$

$$\begin{aligned} &\underline{4.6 \times 1.1} + 1.8 \\ &= \underline{5.06 + 1.8} \\ &= 6.86 \end{aligned}$$

## Order of Operations with Decimals (F)

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

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

Simplify each expression using the correct order of operations.

$$8.7 + (4.7)^2$$

$$(8.5)^2 + 6.2$$

$$2.6 \times (3.6 + 1.1)$$

$$2.5 \times (2.8)^2$$

$$(2.5)^2 - 4.5$$

$$4.5 \times 8.8 - 8.9$$

$$(8.5)^2 + 2.9$$

$$(4.5)^2 - 2.2$$

$$6.3 \times (2.2 + 6.8)$$

$$2.8 \times (6.3 + 8.5)$$

# Order of Operations with Decimals (F) Answers

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

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

Simplify each expression using the correct order of operations.

$$\begin{aligned} &8.7 + \underline{(4.7)^2} \\ &= \underline{8.7 + 22.09} \\ &= 30.79 \end{aligned}$$

$$\begin{aligned} &\underline{(8.5)^2} + 6.2 \\ &= \underline{72.25 + 6.2} \\ &= 78.45 \end{aligned}$$

$$\begin{aligned} &2.6 \times \underline{(3.6 + 1.1)} \\ &= \underline{2.6 \times 4.7} \\ &= 12.22 \end{aligned}$$

$$\begin{aligned} &2.5 \times \underline{(2.8)^2} \\ &= \underline{2.5 \times 7.84} \\ &= 19.6 \end{aligned}$$

$$\begin{aligned} &\underline{(2.5)^2} - 4.5 \\ &= \underline{6.25 - 4.5} \\ &= 1.75 \end{aligned}$$

$$\begin{aligned} &\underline{4.5 \times 8.8} - 8.9 \\ &= \underline{39.6 - 8.9} \\ &= 30.7 \end{aligned}$$

$$\begin{aligned} &\underline{(8.5)^2} + 2.9 \\ &= \underline{72.25 + 2.9} \\ &= 75.15 \end{aligned}$$

$$\begin{aligned} &\underline{(4.5)^2} - 2.2 \\ &= \underline{20.25 - 2.2} \\ &= 18.05 \end{aligned}$$

$$\begin{aligned} &6.3 \times \underline{(2.2 + 6.8)} \\ &= \underline{6.3 \times 9} \\ &= 56.7 \end{aligned}$$

$$\begin{aligned} &2.8 \times \underline{(6.3 + 8.5)} \\ &= \underline{2.8 \times 14.8} \\ &= 41.44 \end{aligned}$$

## Order of Operations with Decimals (G)

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

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

Simplify each expression using the correct order of operations.

$$1.25 \times (2.4)^2$$

$$2.3 \times 2.7 - 5.1$$

$$8.5 + (1.7)^2$$

$$2.3 \times 4.6 + 6.4$$

$$1.7 + (8.5)^2$$

$$(2.8)^2 \times 9.5$$

$$(1.7)^2 + 7.5$$

$$(4.5)^2 - 6.6$$

$$5.4 \times 8.6 + 4.3$$

$$7.1 \times 3.9 + 8.5$$

# Order of Operations with Decimals (G) Answers

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

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

Simplify each expression using the correct order of operations.

$$\begin{aligned} &1.25 \times (2.4)^2 \\ &= 1.25 \times 5.76 \\ &= 7.2 \end{aligned}$$

$$\begin{aligned} &2.3 \times 2.7 - 5.1 \\ &= 6.21 - 5.1 \\ &= 1.11 \end{aligned}$$

$$\begin{aligned} &8.5 + (1.7)^2 \\ &= 8.5 + 2.89 \\ &= 11.39 \end{aligned}$$

$$\begin{aligned} &2.3 \times 4.6 + 6.4 \\ &= 10.58 + 6.4 \\ &= 16.98 \end{aligned}$$

$$\begin{aligned} &1.7 + (8.5)^2 \\ &= 1.7 + 72.25 \\ &= 73.95 \end{aligned}$$

$$\begin{aligned} &(2.8)^2 \times 9.5 \\ &= 7.84 \times 9.5 \\ &= 74.48 \end{aligned}$$

$$\begin{aligned} &(1.7)^2 + 7.5 \\ &= 2.89 + 7.5 \\ &= 10.39 \end{aligned}$$

$$\begin{aligned} &(4.5)^2 - 6.6 \\ &= 20.25 - 6.6 \\ &= 13.65 \end{aligned}$$

$$\begin{aligned} &5.4 \times 8.6 + 4.3 \\ &= 46.44 + 4.3 \\ &= 50.74 \end{aligned}$$

$$\begin{aligned} &7.1 \times 3.9 + 8.5 \\ &= 27.69 + 8.5 \\ &= 36.19 \end{aligned}$$

# Order of Operations with Decimals (H)

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

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

Simplify each expression using the correct order of operations.

$$2.5 + 3.2 \times 4.6$$

$$(7.5)^2 + 7.9$$

$$(4.9 + 6.3) \times 4.2$$

$$6.9 \times (7.5 + 1.8)$$

$$(5.8)^2 - 7.9$$

$$1.4 \times 3.4 - 2.5$$

$$(9.4)^2 + 1.6$$

$$6.9 + 9.4 \times 2.8$$

$$3.75 + 2.1 \times 4.8$$

$$(6.6)^2 \div 3.3$$

# Order of Operations with Decimals (H) Answers

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

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

Simplify each expression using the correct order of operations.

$$\begin{aligned} &2.5 + \underline{3.2 \times 4.6} \\ &= \underline{2.5 + 14.72} \\ &= 17.22 \end{aligned}$$

$$\begin{aligned} &\underline{(7.5)^2} + 7.9 \\ &= \underline{56.25 + 7.9} \\ &= 64.15 \end{aligned}$$

$$\begin{aligned} &\underline{(4.9 + 6.3)} \times 4.2 \\ &= \underline{11.2 \times 4.2} \\ &= 47.04 \end{aligned}$$

$$\begin{aligned} &6.9 \times \underline{(7.5 + 1.8)} \\ &= \underline{6.9 \times 9.3} \\ &= 64.17 \end{aligned}$$

$$\begin{aligned} &\underline{(5.8)^2} - 7.9 \\ &= \underline{33.64 - 7.9} \\ &= 25.74 \end{aligned}$$

$$\begin{aligned} &\underline{1.4 \times 3.4} - 2.5 \\ &= \underline{4.76 - 2.5} \\ &= 2.26 \end{aligned}$$

$$\begin{aligned} &\underline{(9.4)^2} + 1.6 \\ &= \underline{88.36 + 1.6} \\ &= 89.96 \end{aligned}$$

$$\begin{aligned} &6.9 + \underline{9.4 \times 2.8} \\ &= \underline{6.9 + 26.32} \\ &= 33.22 \end{aligned}$$

$$\begin{aligned} &3.75 + \underline{2.1 \times 4.8} \\ &= \underline{3.75 + 10.08} \\ &= 13.83 \end{aligned}$$

$$\begin{aligned} &\underline{(6.6)^2} \div 3.3 \\ &= \underline{43.56 \div 3.3} \\ &= 13.2 \end{aligned}$$

# Order of Operations with Decimals (I)

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

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

Simplify each expression using the correct order of operations.

$$(4.1)^2 + 5.9$$

$$6.8 \times 6.2 + 7.3$$

$$8.5 + 4.6 \times 1.8$$

$$(8.3 + 5.4) \times 6.9$$

$$(3.6)^2 \times 3.75$$

$$8.4 \div (4.8 - 1.8)$$

$$4.2 \times (2.1 + 7.9)$$

$$4.4 \times (5.6 + 1.6)$$

$$7.2 - (1.4)^2$$

$$(4.8 + 9.4) \times 3.9$$

# Order of Operations with Decimals (I) Answers

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

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

Simplify each expression using the correct order of operations.

$$\begin{aligned} & \underline{(4.1)^2} + 5.9 \\ &= \underline{16.81 + 5.9} \\ &= 22.71 \end{aligned}$$

$$\begin{aligned} & \underline{6.8 \times 6.2} + 7.3 \\ &= \underline{42.16 + 7.3} \\ &= 49.46 \end{aligned}$$

$$\begin{aligned} & 8.5 + \underline{4.6 \times 1.8} \\ &= \underline{8.5 + 8.28} \\ &= 16.78 \end{aligned}$$

$$\begin{aligned} & \underline{(8.3 + 5.4)} \times 6.9 \\ &= \underline{13.7 \times 6.9} \\ &= 94.53 \end{aligned}$$

$$\begin{aligned} & \underline{(3.6)^2} \times 3.75 \\ &= \underline{12.96 \times 3.75} \\ &= 48.6 \end{aligned}$$

$$\begin{aligned} & 8.4 \div \underline{(4.8 - 1.8)} \\ &= \underline{8.4 \div 3} \\ &= 2.8 \end{aligned}$$

$$\begin{aligned} & 4.2 \times \underline{(2.1 + 7.9)} \\ &= \underline{4.2 \times 10} \\ &= 42 \end{aligned}$$

$$\begin{aligned} & 4.4 \times \underline{(5.6 + 1.6)} \\ &= \underline{4.4 \times 7.2} \\ &= 31.68 \end{aligned}$$

$$\begin{aligned} & 7.2 - \underline{(1.4)^2} \\ &= \underline{7.2 - 1.96} \\ &= 5.24 \end{aligned}$$

$$\begin{aligned} & \underline{(4.8 + 9.4)} \times 3.9 \\ &= \underline{14.2 \times 3.9} \\ &= 55.38 \end{aligned}$$

# Order of Operations with Decimals (J)

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

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

Simplify each expression using the correct order of operations.

$$(9.9)^2 - 1.8$$

$$8.5 + (1.8)^2$$

$$(6.8)^2 + 3.2$$

$$9.4 \times 1.6 + 3.5$$

$$5.1 \times (8.7 + 2.1)$$

$$(8.8)^2 + 3.6$$

$$8.4 + (1.4)^2$$

$$(3.2)^2 - 3.1$$

$$(4.2)^2 - 2.2$$

$$(1.8)^2 \times 4.5$$

# Order of Operations with Decimals (J) Answers

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

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

Simplify each expression using the correct order of operations.

$$\begin{aligned} & \underline{(9.9)^2} - 1.8 \\ &= \underline{98.01 - 1.8} \\ &= 96.21 \end{aligned}$$

$$\begin{aligned} & 8.5 + \underline{(1.8)^2} \\ &= \underline{8.5 + 3.24} \\ &= 11.74 \end{aligned}$$

$$\begin{aligned} & \underline{(6.8)^2} + 3.2 \\ &= \underline{46.24 + 3.2} \\ &= 49.44 \end{aligned}$$

$$\begin{aligned} & \underline{9.4 \times 1.6} + 3.5 \\ &= \underline{15.04 + 3.5} \\ &= 18.54 \end{aligned}$$

$$\begin{aligned} & 5.1 \times \underline{(8.7 + 2.1)} \\ &= \underline{5.1 \times 10.8} \\ &= 55.08 \end{aligned}$$

$$\begin{aligned} & \underline{(8.8)^2} + 3.6 \\ &= \underline{77.44 + 3.6} \\ &= 81.04 \end{aligned}$$

$$\begin{aligned} & 8.4 + \underline{(1.4)^2} \\ &= \underline{8.4 + 1.96} \\ &= 10.36 \end{aligned}$$

$$\begin{aligned} & \underline{(3.2)^2} - 3.1 \\ &= \underline{10.24 - 3.1} \\ &= 7.14 \end{aligned}$$

$$\begin{aligned} & \underline{(4.2)^2} - 2.2 \\ &= \underline{17.64 - 2.2} \\ &= 15.44 \end{aligned}$$

$$\begin{aligned} & \underline{(1.8)^2} \times 4.5 \\ &= \underline{3.24 \times 4.5} \\ &= 14.58 \end{aligned}$$