

# Order of Operations (A)

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

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

Simplify each expression using the correct order of operations.

$$4 \times (8 - 5 + 7 - 6 + 3)$$

$$(4 + 3) \times 9 - 2 - 5 \times 6$$

$$5 + 8 - 6 \times (2 + 3 - 4)$$

$$4 - 3 + 5 \times (6 + 9 - 7)$$

$$(2 + 7) \times 6 - 3 - 8 \times 4$$

$$(5 + 9 - 10) \times 6 + 4 - 2$$

$$8 \times (6 + 9 - 4 + 2 - 3)$$

$$(7 + 5 - 6) \times (10 + 2 - 4)$$

# Order of Operations (A)

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

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

Simplify each expression using the correct order of operations.

$$\begin{aligned} &4 \times (8 - 5 + 7 - 6 + 3) \\ &= 4 \times (3 + 7 - 6 + 3) \\ &= 4 \times (10 - 6 + 3) \\ &= 4 \times (4 + 3) \\ &= 4 \times 7 \\ &= 28 \end{aligned}$$

$$\begin{aligned} &(4 + 3) \times 9 - 2 - 5 \times 6 \\ &= 7 \times 9 - 2 - 5 \times 6 \\ &= 63 - 2 - 5 \times 6 \\ &= 63 - 2 - 30 \\ &= 61 - 30 \\ &= 31 \end{aligned}$$

$$\begin{aligned} &5 + 8 - 6 \times (2 + 3 - 4) \\ &= 5 + 8 - 6 \times (5 - 4) \\ &= 5 + 8 - 6 \times 1 \\ &= 5 + 8 - 6 \\ &= 13 - 6 \\ &= 7 \end{aligned}$$

$$\begin{aligned} &4 - 3 + 5 \times (6 + 9 - 7) \\ &= 4 - 3 + 5 \times (15 - 7) \\ &= 4 - 3 + 5 \times 8 \\ &= 4 - 3 + 40 \\ &= 1 + 40 \\ &= 41 \end{aligned}$$

$$\begin{aligned} &(2 + 7) \times 6 - 3 - 8 \times 4 \\ &= 9 \times 6 - 3 - 8 \times 4 \\ &= 54 - 3 - 8 \times 4 \\ &= 54 - 3 - 32 \\ &= 51 - 32 \\ &= 19 \end{aligned}$$

$$\begin{aligned} &(5 + 9 - 10) \times 6 + 4 - 2 \\ &= (14 - 10) \times 6 + 4 - 2 \\ &= 4 \times 6 + 4 - 2 \\ &= 24 + 4 - 2 \\ &= 28 - 2 \\ &= 26 \end{aligned}$$

$$\begin{aligned} &8 \times (6 + 9 - 4 + 2 - 3) \\ &= 8 \times (15 - 4 + 2 - 3) \\ &= 8 \times (11 + 2 - 3) \\ &= 8 \times (13 - 3) \\ &= 8 \times 10 \\ &= 80 \end{aligned}$$

$$\begin{aligned} &(7 + 5 - 6) \times (10 + 2 - 4) \\ &= (12 - 6) \times (10 + 2 - 4) \\ &= 6 \times (10 + 2 - 4) \\ &= 6 \times (12 - 4) \\ &= 6 \times 8 \\ &= 48 \end{aligned}$$

## Order of Operations (B)

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

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

Simplify each expression using the correct order of operations.

$$(2 + 4) \times (8 - 3 + 9 - 5)$$

$$(4 + 8 - 6) \times (9 + 5 - 3)$$

$$(10 - 4 + 8) \times (5 - 2 + 3)$$

$$3 \times (7 + 10 - 9 - 4 + 6)$$

$$10 \times (3 + 6 - 8 + 5 - 2)$$

$$3 \times (10 - 9 + 7 + 8 - 5)$$

$$(10 + 8 - 6) \times (9 - 4 + 2)$$

$$(10 - 4) \times (6 + 3 + 8 - 9)$$

# Order of Operations (B)

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

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

Simplify each expression using the correct order of operations.

$$\begin{aligned} & (2 + 4) \times (8 - 3 + 9 - 5) \\ & = 6 \times (8 - 3 + 9 - 5) \\ & = 6 \times (5 + 9 - 5) \\ & = 6 \times (14 - 5) \\ & = \underline{6 \times 9} \\ & = 54 \end{aligned}$$

$$\begin{aligned} & (4 + 8 - 6) \times (9 + 5 - 3) \\ & = (12 - 6) \times (9 + 5 - 3) \\ & = 6 \times (9 + 5 - 3) \\ & = 6 \times (14 - 3) \\ & = \underline{6 \times 11} \\ & = 66 \end{aligned}$$

$$\begin{aligned} & (10 - 4 + 8) \times (5 - 2 + 3) \\ & = (6 + 8) \times (5 - 2 + 3) \\ & = 14 \times (5 - 2 + 3) \\ & = 14 \times (3 + 3) \\ & = \underline{14 \times 6} \\ & = 84 \end{aligned}$$

$$\begin{aligned} & 3 \times (7 + 10 - 9 - 4 + 6) \\ & = 3 \times (17 - 9 - 4 + 6) \\ & = 3 \times (8 - 4 + 6) \\ & = 3 \times (4 + 6) \\ & = \underline{3 \times 10} \\ & = 30 \end{aligned}$$

$$\begin{aligned} & 10 \times (3 + 6 - 8 + 5 - 2) \\ & = 10 \times (9 - 8 + 5 - 2) \\ & = 10 \times (1 + 5 - 2) \\ & = 10 \times (6 - 2) \\ & = \underline{10 \times 4} \\ & = 40 \end{aligned}$$

$$\begin{aligned} & 3 \times (10 - 9 + 7 + 8 - 5) \\ & = 3 \times (1 + 7 + 8 - 5) \\ & = 3 \times (8 + 8 - 5) \\ & = 3 \times (16 - 5) \\ & = \underline{3 \times 11} \\ & = 33 \end{aligned}$$

$$\begin{aligned} & (10 + 8 - 6) \times (9 - 4 + 2) \\ & = (18 - 6) \times (9 - 4 + 2) \\ & = 12 \times (9 - 4 + 2) \\ & = 12 \times (5 + 2) \\ & = \underline{12 \times 7} \\ & = 84 \end{aligned}$$

$$\begin{aligned} & (10 - 4) \times (6 + 3 + 8 - 9) \\ & = 6 \times (6 + 3 + 8 - 9) \\ & = 6 \times (9 + 8 - 9) \\ & = 6 \times (17 - 9) \\ & = \underline{6 \times 8} \\ & = 48 \end{aligned}$$

# Order of Operations (C)

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

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

Simplify each expression using the correct order of operations.

$$(10 + 7) \times 5 - 9 - 4 + 3$$

$$(6 - 4) \times 9 + 7 - 2 \times 5$$

$$10 \times (8 - 6 + 3 + 4 - 2)$$

$$6 \times (9 + 8 - 2 + 5 - 10)$$

$$(7 - 3) \times 10 + 4 + 8 \times 2$$

$$(10 + 2 - 6) \times (4 \times (8 - 5))$$

$$(5 - 3) \times (8 + 4 + 2 - 7)$$

$$2 \times (6 + 9 - 4 + 5 - 7)$$

# Order of Operations (C)

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

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

Simplify each expression using the correct order of operations.

$$\begin{aligned} & (10 + 7) \times 5 - 9 - 4 + 3 \\ & = 17 \times 5 - 9 - 4 + 3 \\ & = 85 - 9 - 4 + 3 \\ & = 76 - 4 + 3 \\ & = 72 + 3 \\ & = 75 \end{aligned}$$

$$\begin{aligned} & (6 - 4) \times 9 + 7 - 2 \times 5 \\ & = 2 \times 9 + 7 - 2 \times 5 \\ & = 18 + 7 - 2 \times 5 \\ & = 18 + 7 - 10 \\ & = 25 - 10 \\ & = 15 \end{aligned}$$

$$\begin{aligned} & 10 \times (8 - 6 + 3 + 4 - 2) \\ & = 10 \times (2 + 3 + 4 - 2) \\ & = 10 \times (5 + 4 - 2) \\ & = 10 \times (9 - 2) \\ & = 10 \times 7 \\ & = 70 \end{aligned}$$

$$\begin{aligned} & 6 \times (9 + 8 - 2 + 5 - 10) \\ & = 6 \times (17 - 2 + 5 - 10) \\ & = 6 \times (15 + 5 - 10) \\ & = 6 \times (20 - 10) \\ & = 6 \times 10 \\ & = 60 \end{aligned}$$

$$\begin{aligned} & (7 - 3) \times 10 + 4 + 8 \times 2 \\ & = 4 \times 10 + 4 + 8 \times 2 \\ & = 40 + 4 + 8 \times 2 \\ & = 40 + 4 + 16 \\ & = 44 + 16 \\ & = 60 \end{aligned}$$

$$\begin{aligned} & (10 + 2 - 6) \times (4 \times (8 - 5)) \\ & = (12 - 6) \times (4 \times (8 - 5)) \\ & = 6 \times (4 \times (8 - 5)) \\ & = 6 \times (4 \times 3) \\ & = 6 \times 12 \\ & = 72 \end{aligned}$$

$$\begin{aligned} & (5 - 3) \times (8 + 4 + 2 - 7) \\ & = 2 \times (8 + 4 + 2 - 7) \\ & = 2 \times (12 + 2 - 7) \\ & = 2 \times (14 - 7) \\ & = 2 \times 7 \\ & = 14 \end{aligned}$$

$$\begin{aligned} & 2 \times (6 + 9 - 4 + 5 - 7) \\ & = 2 \times (15 - 4 + 5 - 7) \\ & = 2 \times (11 + 5 - 7) \\ & = 2 \times (16 - 7) \\ & = 2 \times 9 \\ & = 18 \end{aligned}$$

# Order of Operations (D)

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

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

Simplify each expression using the correct order of operations.

$$(6 + 7) \times 2 - 9 + 10 - 4$$

$$9 \times (5 + 6 - 8 + 7 - 10)$$

$$(9 + 3) \times 6 - 10 - 8 + 4$$

$$7 \times 2 - 3 + 4 \times (9 - 5)$$

$$(5 - 4) \times (6 + 9 - 3 + 10)$$

$$5 \times (9 + 8 - 10 - 6 + 2)$$

$$(5 - 3) \times 2 + 7 + 10 - 6$$

$$(8 + 7) \times (3 - 2 + 5 - 4)$$

# Order of Operations (D)

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

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

Simplify each expression using the correct order of operations.

$$\begin{aligned} & (6 + 7) \times 2 - 9 + 10 - 4 \\ & = 13 \times 2 - 9 + 10 - 4 \\ & = 26 - 9 + 10 - 4 \\ & = 17 + 10 - 4 \\ & = 27 - 4 \\ & = 23 \end{aligned}$$

$$\begin{aligned} & 9 \times (5 + 6 - 8 + 7 - 10) \\ & = 9 \times (11 - 8 + 7 - 10) \\ & = 9 \times (3 + 7 - 10) \\ & = 9 \times (10 - 10) \\ & = 9 \times 0 \\ & = 0 \end{aligned}$$

$$\begin{aligned} & (9 + 3) \times 6 - 10 - 8 + 4 \\ & = 12 \times 6 - 10 - 8 + 4 \\ & = 72 - 10 - 8 + 4 \\ & = 62 - 8 + 4 \\ & = 54 + 4 \\ & = 58 \end{aligned}$$

$$\begin{aligned} & 7 \times 2 - 3 + 4 \times (9 - 5) \\ & = 7 \times 2 - 3 + 4 \times 4 \\ & = 14 - 3 + 4 \times 4 \\ & = 14 - 3 + 16 \\ & = 11 + 16 \\ & = 27 \end{aligned}$$

$$\begin{aligned} & (5 - 4) \times (6 + 9 - 3 + 10) \\ & = 1 \times (6 + 9 - 3 + 10) \\ & = 1 \times (15 - 3 + 10) \\ & = 1 \times (12 + 10) \\ & = 1 \times 22 \\ & = 22 \end{aligned}$$

$$\begin{aligned} & 5 \times (9 + 8 - 10 - 6 + 2) \\ & = 5 \times (17 - 10 - 6 + 2) \\ & = 5 \times (7 - 6 + 2) \\ & = 5 \times (1 + 2) \\ & = 5 \times 3 \\ & = 15 \end{aligned}$$

$$\begin{aligned} & (5 - 3) \times 2 + 7 + 10 - 6 \\ & = 2 \times 2 + 7 + 10 - 6 \\ & = 4 + 7 + 10 - 6 \\ & = 11 + 10 - 6 \\ & = 21 - 6 \\ & = 15 \end{aligned}$$

$$\begin{aligned} & (8 + 7) \times (3 - 2 + 5 - 4) \\ & = 15 \times (3 - 2 + 5 - 4) \\ & = 15 \times (1 + 5 - 4) \\ & = 15 \times (6 - 4) \\ & = 15 \times 2 \\ & = 30 \end{aligned}$$



# Order of Operations (E)

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

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

Simplify each expression using the correct order of operations.

$$7 - 5 + 6 \times 2 \times (10 - 9)$$

$$4 \times (7 + 2 - 9 + 6 - 5)$$

$$4 \times ((5 + 8 - 3 - 9) \times 2)$$

$$(7 - 4) \times ((2 + 5 - 6) \times 3)$$

$$7 \times 2 - 10 + 9 \times (6 - 4)$$

$$(8 - 6) \times (10 + 4 + 7 - 9)$$

$$4 \times (6 + 5 - 7 - 2 + 9)$$

$$2 \times (10 + 5 - 7 + 3 - 9)$$

# Order of Operations (E)

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

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

Simplify each expression using the correct order of operations.

$$\begin{aligned}7 - 5 + 6 \times 2 \times (10 - 9) \\&= 7 - 5 + \underline{6 \times 2} \times 1 \\&= 7 - 5 + \underline{12 \times 1} \\&= \underline{7 - 5} + 12 \\&= \underline{2 + 12} \\&= 14\end{aligned}$$

$$\begin{aligned}4 \times (7 + 2 - 9 + 6 - 5) \\&= 4 \times (\underline{9 - 9} + 6 - 5) \\&= 4 \times (\underline{0 + 6} - 5) \\&= 4 \times (\underline{6 - 5}) \\&= \underline{4 \times 1} \\&= 4\end{aligned}$$

$$\begin{aligned}4 \times ((5 + 8 - 3 - 9) \times 2) \\&= 4 \times ((\underline{13 - 3} - 9) \times 2) \\&= 4 \times ((\underline{10 - 9}) \times 2) \\&= 4 \times (\underline{1 \times 2}) \\&= \underline{4 \times 2} \\&= 8\end{aligned}$$

$$\begin{aligned}(\underline{7 - 4}) \times ((2 + 5 - 6) \times 3) \\&= 3 \times ((\underline{2 + 5} - 6) \times 3) \\&= 3 \times ((\underline{7 - 6}) \times 3) \\&= 3 \times (\underline{1 \times 3}) \\&= \underline{3 \times 3} \\&= 9\end{aligned}$$

$$\begin{aligned}7 \times 2 - 10 + 9 \times (6 - 4) \\&= \underline{7 \times 2} - 10 + 9 \times 2 \\&= 14 - 10 + \underline{9 \times 2} \\&= \underline{14 - 10} + 18 \\&= \underline{4 + 18} \\&= 22\end{aligned}$$

$$\begin{aligned}(\underline{8 - 6}) \times (10 + 4 + 7 - 9) \\&= 2 \times (\underline{10 + 4} + 7 - 9) \\&= 2 \times (\underline{14 + 7} - 9) \\&= 2 \times (\underline{21 - 9}) \\&= \underline{2 \times 12} \\&= 24\end{aligned}$$

$$\begin{aligned}4 \times (6 + 5 - 7 - 2 + 9) \\&= 4 \times (\underline{11 - 7} - 2 + 9) \\&= 4 \times (\underline{4 - 2} + 9) \\&= 4 \times (\underline{2 + 9}) \\&= \underline{4 \times 11} \\&= 44\end{aligned}$$

$$\begin{aligned}2 \times (10 + 5 - 7 + 3 - 9) \\&= 2 \times (\underline{15 - 7} + 3 - 9) \\&= 2 \times (\underline{8 + 3} - 9) \\&= 2 \times (\underline{11 - 9}) \\&= \underline{2 \times 2} \\&= 4\end{aligned}$$

# Order of Operations (F)

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

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

Simplify each expression using the correct order of operations.

$$(8 - 5 + 6) \times (10 - 9 + 3)$$

$$5 \times (10 - 9 + 8 + 7 - 4)$$

$$(6 + 8) \times (5 - 3) \times (10 - 9)$$

$$8 \times (10 + 3 - 4 - 5 + 7)$$

$$5 \times ((2 + 6 - 7) \times (10 + 8))$$

$$(9 - 4 + 3) \times (5 + 2 - 6)$$

$$4 + 9 \times 7 - 10 \times (3 + 2)$$

$$2 \times (5 + 8 - 7 - 6 + 9)$$

# Order of Operations (F)

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

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

Simplify each expression using the correct order of operations.

$$\begin{aligned} & (8 - 5 + 6) \times (10 - 9 + 3) \\ & = (3 + 6) \times (10 - 9 + 3) \\ & = 9 \times (10 - 9 + 3) \\ & = 9 \times (1 + 3) \\ & = 9 \times 4 \\ & = 36 \end{aligned}$$

$$\begin{aligned} & 5 \times (10 - 9 + 8 + 7 - 4) \\ & = 5 \times (1 + 8 + 7 - 4) \\ & = 5 \times (9 + 7 - 4) \\ & = 5 \times (16 - 4) \\ & = 5 \times 12 \\ & = 60 \end{aligned}$$

$$\begin{aligned} & (6 + 8) \times (5 - 3) \times (10 - 9) \\ & = 14 \times (5 - 3) \times (10 - 9) \\ & = 14 \times 2 \times (10 - 9) \\ & = 14 \times 2 \times 1 \\ & = 28 \times 1 \\ & = 28 \end{aligned}$$

$$\begin{aligned} & 8 \times (10 + 3 - 4 - 5 + 7) \\ & = 8 \times (13 - 4 - 5 + 7) \\ & = 8 \times (9 - 5 + 7) \\ & = 8 \times (4 + 7) \\ & = 8 \times 11 \\ & = 88 \end{aligned}$$

$$\begin{aligned} & 5 \times ((2 + 6 - 7) \times (10 + 8)) \\ & = 5 \times ((8 - 7) \times (10 + 8)) \\ & = 5 \times (1 \times (10 + 8)) \\ & = 5 \times (1 \times 18) \\ & = 5 \times 18 \\ & = 90 \end{aligned}$$

$$\begin{aligned} & (9 - 4 + 3) \times (5 + 2 - 6) \\ & = (5 + 3) \times (5 + 2 - 6) \\ & = 8 \times (5 + 2 - 6) \\ & = 8 \times (7 - 6) \\ & = 8 \times 1 \\ & = 8 \end{aligned}$$

$$\begin{aligned} & 4 + 9 \times 7 - 10 \times (3 + 2) \\ & = 4 + 9 \times 7 - 10 \times 5 \\ & = 4 + 63 - 10 \times 5 \\ & = 4 + 63 - 50 \\ & = 67 - 50 \\ & = 17 \end{aligned}$$

$$\begin{aligned} & 2 \times (5 + 8 - 7 - 6 + 9) \\ & = 2 \times (13 - 7 - 6 + 9) \\ & = 2 \times (6 - 6 + 9) \\ & = 2 \times (0 + 9) \\ & = 2 \times 9 \\ & = 18 \end{aligned}$$

# Order of Operations (G)

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

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

Simplify each expression using the correct order of operations.

$$(4 - 3) \times (5 + 7 - 9) \times 10$$

$$8 + 6 \times 4 - 2 \times (10 - 9)$$

$$5 \times (6 + 9 - 7 + 3 - 10)$$

$$8 \times 2 - 7 + 5 \times (10 - 3)$$

$$(6 - 5) \times (4 + 3) \times (9 - 2)$$

$$(10 + 7) \times (8 - 4 + 5 - 9)$$

$$(8 - 2) \times (10 + 6 - 9 + 5)$$

$$(9 - 3 + 10) \times 2 + 4 - 8$$

# Order of Operations (G)

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

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

Simplify each expression using the correct order of operations.

$$\begin{aligned} & (4 - 3) \times (5 + 7 - 9) \times 10 \\ & = 1 \times (5 + 7 - 9) \times 10 \\ & = 1 \times (12 - 9) \times 10 \\ & = 1 \times 3 \times 10 \\ & = 3 \times 10 \\ & = 30 \end{aligned}$$

$$\begin{aligned} & 8 + 6 \times 4 - 2 \times (10 - 9) \\ & = 8 + 6 \times 4 - 2 \times 1 \\ & = 8 + 24 - 2 \times 1 \\ & = 8 + 24 - 2 \\ & = 32 - 2 \\ & = 30 \end{aligned}$$

$$\begin{aligned} & 5 \times (6 + 9 - 7 + 3 - 10) \\ & = 5 \times (15 - 7 + 3 - 10) \\ & = 5 \times (8 + 3 - 10) \\ & = 5 \times (11 - 10) \\ & = 5 \times 1 \\ & = 5 \end{aligned}$$

$$\begin{aligned} & 8 \times 2 - 7 + 5 \times (10 - 3) \\ & = 8 \times 2 - 7 + 5 \times 7 \\ & = 16 - 7 + 5 \times 7 \\ & = 16 - 7 + 35 \\ & = 9 + 35 \\ & = 44 \end{aligned}$$

$$\begin{aligned} & (6 - 5) \times (4 + 3) \times (9 - 2) \\ & = 1 \times (4 + 3) \times (9 - 2) \\ & = 1 \times 7 \times (9 - 2) \\ & = 1 \times 7 \times 7 \\ & = 7 \times 7 \\ & = 49 \end{aligned}$$

$$\begin{aligned} & (10 + 7) \times (8 - 4 + 5 - 9) \\ & = 17 \times (8 - 4 + 5 - 9) \\ & = 17 \times (4 + 5 - 9) \\ & = 17 \times (9 - 9) \\ & = 17 \times 0 \\ & = 0 \end{aligned}$$

$$\begin{aligned} & (8 - 2) \times (10 + 6 - 9 + 5) \\ & = 6 \times (10 + 6 - 9 + 5) \\ & = 6 \times (16 - 9 + 5) \\ & = 6 \times (7 + 5) \\ & = 6 \times 12 \\ & = 72 \end{aligned}$$

$$\begin{aligned} & (9 - 3 + 10) \times 2 + 4 - 8 \\ & = (6 + 10) \times 2 + 4 - 8 \\ & = 16 \times 2 + 4 - 8 \\ & = 32 + 4 - 8 \\ & = 36 - 8 \\ & = 28 \end{aligned}$$

# Order of Operations (H)

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

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

Simplify each expression using the correct order of operations.

$$8 \times (6 - 3 + 2 - 4 + 10)$$

$$6 \times ((8 + 7 - 5 - 4) \times 2)$$

$$(5 - 4) \times ((6 + 8 - 10) \times 2)$$

$$(3 \times (5 + 4 - 7 + 8)) \times 2$$

$$(4 + 6) \times 10 - 3 - 2 \times 9$$

$$(2 + 4) \times (9 - 6 + 7 - 8)$$

$$(6 + 9 - 8) \times 2 - 5 + 7$$

$$(7 + 3) \times 9 - 10 - 5 + 8$$

# Order of Operations (H)

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

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

Simplify each expression using the correct order of operations.

$$\begin{aligned} & 8 \times (6 - 3 + 2 - 4 + 10) \\ & = 8 \times (3 + 2 - 4 + 10) \\ & = 8 \times (5 - 4 + 10) \\ & = 8 \times (1 + 10) \\ & = \underline{8 \times 11} \\ & = 88 \end{aligned}$$

$$\begin{aligned} & 6 \times ((8 + 7 - 5 - 4) \times 2) \\ & = 6 \times ((15 - 5 - 4) \times 2) \\ & = 6 \times ((10 - 4) \times 2) \\ & = 6 \times (6 \times 2) \\ & = \underline{6 \times 12} \\ & = 72 \end{aligned}$$

$$\begin{aligned} & (5 - 4) \times ((6 + 8 - 10) \times 2) \\ & = 1 \times ((6 + 8 - 10) \times 2) \\ & = 1 \times ((14 - 10) \times 2) \\ & = 1 \times (4 \times 2) \\ & = \underline{1 \times 8} \\ & = 8 \end{aligned}$$

$$\begin{aligned} & (3 \times (5 + 4 - 7 + 8)) \times 2 \\ & = (3 \times (9 - 7 + 8)) \times 2 \\ & = (3 \times (2 + 8)) \times 2 \\ & = (3 \times 10) \times 2 \\ & = \underline{30 \times 2} \\ & = 60 \end{aligned}$$

$$\begin{aligned} & (4 + 6) \times 10 - 3 - 2 \times 9 \\ & = \underline{10 \times 10} - 3 - 2 \times 9 \\ & = 100 - 3 - \underline{2 \times 9} \\ & = \underline{100 - 3} - 18 \\ & = \underline{97 - 18} \\ & = 79 \end{aligned}$$

$$\begin{aligned} & (2 + 4) \times (9 - 6 + 7 - 8) \\ & = 6 \times (9 - 6 + 7 - 8) \\ & = 6 \times (3 + 7 - 8) \\ & = 6 \times (10 - 8) \\ & = \underline{6 \times 2} \\ & = 12 \end{aligned}$$

$$\begin{aligned} & (6 + 9 - 8) \times 2 - 5 + 7 \\ & = (15 - 8) \times 2 - 5 + 7 \\ & = \underline{7 \times 2} - 5 + 7 \\ & = \underline{14 - 5} + 7 \\ & = \underline{9 + 7} \\ & = 16 \end{aligned}$$

$$\begin{aligned} & (7 + 3) \times 9 - 10 - 5 + 8 \\ & = \underline{10 \times 9} - 10 - 5 + 8 \\ & = \underline{90 - 10} - 5 + 8 \\ & = \underline{80 - 5} + 8 \\ & = \underline{75 + 8} \\ & = 83 \end{aligned}$$



# Order of Operations (I)

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

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

Simplify each expression using the correct order of operations.

$$3 \times 8 + 9 - 5 \times (2 + 4)$$

$$(5 + 8) \times 3 - 4 + 6 \times 9$$

$$8 + 3 \times (6 - 5) \times 10 - 2$$

$$(4 + 10 - 8) \times (7 - 6 + 3)$$

$$7 \times 6 - 5 + 3 \times (10 - 9)$$

$$(3 + 4 - 2) \times (7 + 5 - 6)$$

$$(9 + 5) \times 3 - 10 - 4 \times 8$$

$$6 - 4 + 10 \times (5 \times (9 - 8))$$

# Order of Operations (I)

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

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

Simplify each expression using the correct order of operations.

$$\begin{aligned} & 3 \times 8 + 9 - 5 \times (2 + 4) \\ & = \underline{3 \times 8} + 9 - 5 \times 6 \\ & = 24 + 9 - \underline{5 \times 6} \\ & = \underline{24 + 9} - 30 \\ & = \underline{33 - 30} \\ & = 3 \end{aligned}$$

$$\begin{aligned} & (5 + 8) \times 3 - 4 + 6 \times 9 \\ & = \underline{13 \times 3} - 4 + 6 \times 9 \\ & = 39 - 4 + \underline{6 \times 9} \\ & = \underline{39 - 4} + 54 \\ & = \underline{35 + 54} \\ & = 89 \end{aligned}$$

$$\begin{aligned} & 8 + 3 \times (6 - 5) \times 10 - 2 \\ & = 8 + \underline{3 \times 1} \times 10 - 2 \\ & = 8 + \underline{3 \times 10} - 2 \\ & = \underline{8 + 30} - 2 \\ & = \underline{38 - 2} \\ & = 36 \end{aligned}$$

$$\begin{aligned} & (4 + 10 - 8) \times (7 - 6 + 3) \\ & = (\underline{14 - 8}) \times (7 - 6 + 3) \\ & = 6 \times (\underline{7 - 6} + 3) \\ & = 6 \times (\underline{1 + 3}) \\ & = \underline{6 \times 4} \\ & = 24 \end{aligned}$$

$$\begin{aligned} & 7 \times 6 - 5 + 3 \times (10 - 9) \\ & = \underline{7 \times 6} - 5 + 3 \times 1 \\ & = 42 - 5 + \underline{3 \times 1} \\ & = \underline{42 - 5} + 3 \\ & = \underline{37 + 3} \\ & = 40 \end{aligned}$$

$$\begin{aligned} & (3 + 4 - 2) \times (7 + 5 - 6) \\ & = (\underline{7 - 2}) \times (7 + 5 - 6) \\ & = 5 \times (\underline{7 + 5} - 6) \\ & = 5 \times (\underline{12 - 6}) \\ & = \underline{5 \times 6} \\ & = 30 \end{aligned}$$

$$\begin{aligned} & (9 + 5) \times 3 - 10 - 4 \times 8 \\ & = \underline{14 \times 3} - 10 - 4 \times 8 \\ & = 42 - 10 - \underline{4 \times 8} \\ & = \underline{42 - 10} - 32 \\ & = \underline{32 - 32} \\ & = 0 \end{aligned}$$

$$\begin{aligned} & 6 - 4 + 10 \times (5 \times (9 - 8)) \\ & = 6 - 4 + 10 \times (\underline{5 \times 1}) \\ & = 6 - 4 + \underline{10 \times 5} \\ & = \underline{6 - 4} + 50 \\ & = \underline{2 + 50} \\ & = 52 \end{aligned}$$

# Order of Operations (J)

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

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

Simplify each expression using the correct order of operations.

$$(10 + 2) \times 3 - 4 \times 9 + 7$$

$$(9 - 6) \times 4 + 10 - 2 \times 5$$

$$(2 + 6) \times 3 - 9 - 10 + 4$$

$$(7 + 3 - 8) \times 6 - 9 + 5$$

$$8 \times (9 + 2 - 4 - 6 + 5)$$

$$(10 \times (7 + 3 - 8)) \times (6 - 5)$$

$$4 \times 5 - 6 + 7 \times (10 - 8)$$

$$(8 - 6 + 4) \times 5 + 3 - 9$$

# Order of Operations (J)

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

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

Simplify each expression using the correct order of operations.

$$\begin{aligned} & (10 + 2) \times 3 - 4 \times 9 + 7 \\ & = 12 \times 3 - 4 \times 9 + 7 \\ & = 36 - 4 \times 9 + 7 \\ & = 36 - 36 + 7 \\ & = 0 + 7 \\ & = 7 \end{aligned}$$

$$\begin{aligned} & (9 - 6) \times 4 + 10 - 2 \times 5 \\ & = 3 \times 4 + 10 - 2 \times 5 \\ & = 12 + 10 - 2 \times 5 \\ & = 12 + 10 - 10 \\ & = 22 - 10 \\ & = 12 \end{aligned}$$

$$\begin{aligned} & (2 + 6) \times 3 - 9 - 10 + 4 \\ & = 8 \times 3 - 9 - 10 + 4 \\ & = 24 - 9 - 10 + 4 \\ & = 15 - 10 + 4 \\ & = 5 + 4 \\ & = 9 \end{aligned}$$

$$\begin{aligned} & (7 + 3 - 8) \times 6 - 9 + 5 \\ & = (10 - 8) \times 6 - 9 + 5 \\ & = 2 \times 6 - 9 + 5 \\ & = 12 - 9 + 5 \\ & = 3 + 5 \\ & = 8 \end{aligned}$$

$$\begin{aligned} & 8 \times (9 + 2 - 4 - 6 + 5) \\ & = 8 \times (11 - 4 - 6 + 5) \\ & = 8 \times (7 - 6 + 5) \\ & = 8 \times (1 + 5) \\ & = 8 \times 6 \\ & = 48 \end{aligned}$$

$$\begin{aligned} & (10 \times (7 + 3 - 8)) \times (6 - 5) \\ & = (10 \times (10 - 8)) \times (6 - 5) \\ & = (10 \times 2) \times (6 - 5) \\ & = 20 \times (6 - 5) \\ & = 20 \times 1 \\ & = 20 \end{aligned}$$

$$\begin{aligned} & 4 \times 5 - 6 + 7 \times (10 - 8) \\ & = 4 \times 5 - 6 + 7 \times 2 \\ & = 20 - 6 + 7 \times 2 \\ & = 20 - 6 + 14 \\ & = 14 + 14 \\ & = 28 \end{aligned}$$

$$\begin{aligned} & (8 - 6 + 4) \times 5 + 3 - 9 \\ & = (2 + 4) \times 5 + 3 - 9 \\ & = 6 \times 5 + 3 - 9 \\ & = 30 + 3 - 9 \\ & = 33 - 9 \\ & = 24 \end{aligned}$$