

# Order of Operations (A)

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

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

Solve each expression using the correct order of operations.

$$(2 + 9) \times 8 + 3 \times (10 + 5)$$

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

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

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

$$(2 \times (9 + 6)) \times 3 + 5 + 7$$

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

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

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

# Order of Operations (A)

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Solve each expression using the correct order of operations.

$$\begin{aligned} & (2 + 9) \times 8 + 3 \times (10 + 5) \\ & = 11 \times 8 + 3 \times (10 + 5) \\ & = \underline{11 \times 8} + 3 \times 15 \\ & = 88 + \underline{3 \times 15} \\ & = \underline{88 + 45} \\ & = 133 \end{aligned}$$

$$\begin{aligned} & ((3 + 10) \times 4) \times 2 + 8 + 9 \\ & = (\underline{13 \times 4}) \times 2 + 8 + 9 \\ & = \underline{52 \times 2} + 8 + 9 \\ & = \underline{104 + 8} + 9 \\ & = \underline{112 + 9} \\ & = 121 \end{aligned}$$

$$\begin{aligned} & (6 + 7) \times 5 + 4 \times (2 + 3) \\ & = 13 \times 5 + 4 \times (\underline{2 + 3}) \\ & = \underline{13 \times 5} + 4 \times 5 \\ & = 65 + \underline{4 \times 5} \\ & = \underline{65 + 20} \\ & = 85 \end{aligned}$$

$$\begin{aligned} & ((4 + 3) \times 7) \times 2 + 5 + 9 \\ & = (\underline{7 \times 7}) \times 2 + 5 + 9 \\ & = \underline{49 \times 2} + 5 + 9 \\ & = \underline{98 + 5} + 9 \\ & = \underline{103 + 9} \\ & = 112 \end{aligned}$$

$$\begin{aligned} & (2 \times (9 + 6)) \times 3 + 5 + 7 \\ & = (\underline{2 \times 15}) \times 3 + 5 + 7 \\ & = \underline{30 \times 3} + 5 + 7 \\ & = \underline{90 + 5} + 7 \\ & = \underline{95 + 7} \\ & = 102 \end{aligned}$$

$$\begin{aligned} & ((4 + 3) \times 7) \times 2 + 6 \times 8 \\ & = (\underline{7 \times 7}) \times 2 + 6 \times 8 \\ & = \underline{49 \times 2} + 6 \times 8 \\ & = 98 + \underline{6 \times 8} \\ & = \underline{98 + 48} \\ & = 146 \end{aligned}$$

$$\begin{aligned} & (7 + 10) \times 2 + 6 \times (3 \times 5) \\ & = 17 \times 2 + 6 \times (\underline{3 \times 5}) \\ & = \underline{17 \times 2} + 6 \times 15 \\ & = 34 + \underline{6 \times 15} \\ & = \underline{34 + 90} \\ & = 124 \end{aligned}$$

$$\begin{aligned} & (3 + 9) \times 5 + 4 \times (2 + 8) \\ & = 12 \times 5 + 4 \times (\underline{2 + 8}) \\ & = \underline{12 \times 5} + 4 \times 10 \\ & = 60 + \underline{4 \times 10} \\ & = \underline{60 + 40} \\ & = 100 \end{aligned}$$

## Order of Operations (B)

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

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

Solve each expression using the correct order of operations.

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

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

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

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

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

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

$$(3 + 2) \times 5 + 7 \times (9 + 6)$$

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

# Order of Operations (B)

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

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

Solve each expression using the correct order of operations.

$$\begin{aligned} & (9 + 8) \times 4 + 5 \times (6 + 2) \\ & = 17 \times 4 + 5 \times (6 + 2) \\ & = \underline{17 \times 4} + 5 \times 8 \\ & = 68 + \underline{5 \times 8} \\ & = \underline{68 + 40} \\ & = 108 \end{aligned}$$

$$\begin{aligned} & (10 + 8) \times 4 + 3 \times (7 + 5) \\ & = 18 \times 4 + 3 \times (7 + 5) \\ & = \underline{18 \times 4} + 3 \times 12 \\ & = 72 + \underline{3 \times 12} \\ & = \underline{72 + 36} \\ & = 108 \end{aligned}$$

$$\begin{aligned} & (5 \times (4 + 9)) \times 2 + 3 + 6 \\ & = (\underline{5 \times 13}) \times 2 + 3 + 6 \\ & = \underline{65 \times 2} + 3 + 6 \\ & = \underline{130 + 3} + 6 \\ & = \underline{133 + 6} \\ & = 139 \end{aligned}$$

$$\begin{aligned} & (9 + 5) \times 4 + 7 \times (6 \times 2) \\ & = 14 \times 4 + 7 \times (\underline{6 \times 2}) \\ & = \underline{14 \times 4} + 7 \times 12 \\ & = 56 + \underline{7 \times 12} \\ & = \underline{56 + 84} \\ & = 140 \end{aligned}$$

$$\begin{aligned} & (9 + 2) \times 6 + 7 \times (4 + 5) \\ & = 11 \times 6 + 7 \times (\underline{4 + 5}) \\ & = \underline{11 \times 6} + 7 \times 9 \\ & = 66 + \underline{7 \times 9} \\ & = \underline{66 + 63} \\ & = 129 \end{aligned}$$

$$\begin{aligned} & (5 + 6) \times 9 + 2 \times (4 + 7) \\ & = 11 \times 9 + 2 \times (\underline{4 + 7}) \\ & = \underline{11 \times 9} + 2 \times 11 \\ & = 99 + \underline{2 \times 11} \\ & = \underline{99 + 22} \\ & = 121 \end{aligned}$$

$$\begin{aligned} & (3 + 2) \times 5 + 7 \times (9 + 6) \\ & = 5 \times 5 + 7 \times (\underline{9 + 6}) \\ & = \underline{5 \times 5} + 7 \times 15 \\ & = 25 + \underline{7 \times 15} \\ & = \underline{25 + 105} \\ & = 130 \end{aligned}$$

$$\begin{aligned} & (7 + 4) \times 8 + 6 \times (5 + 2) \\ & = 11 \times 8 + 6 \times (\underline{5 + 2}) \\ & = \underline{11 \times 8} + 6 \times 7 \\ & = 88 + \underline{6 \times 7} \\ & = \underline{88 + 42} \\ & = 130 \end{aligned}$$

# Order of Operations (C)

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

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

Solve each expression using the correct order of operations.

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

$$((7 + 8) \times 2) \times 4 + 9 + 5$$

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

$$(6 + 10) \times 3 + 7 \times (2 + 8)$$

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

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

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

$$(7 + 10) \times 4 + 3 \times (5 \times 2)$$

# Order of Operations (C)

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

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

Solve each expression using the correct order of operations.

$$\begin{aligned} & (10 + 6) \times 3 + 2 \times (5 \times 8) \\ & = 16 \times 3 + 2 \times (5 \times 8) \\ & = \underline{16 \times 3} + 2 \times 40 \\ & = 48 + \underline{2 \times 40} \\ & = \underline{48 + 80} \\ & = 128 \end{aligned}$$

$$\begin{aligned} & ((7 + 8) \times 2) \times 4 + 9 + 5 \\ & = (\underline{15 \times 2}) \times 4 + 9 + 5 \\ & = \underline{30 \times 4} + 9 + 5 \\ & = \underline{120 + 9} + 5 \\ & = \underline{129 + 5} \\ & = 134 \end{aligned}$$

$$\begin{aligned} & (10 + 3) \times 5 + 4 \times (8 \times 2) \\ & = 13 \times 5 + 4 \times (\underline{8 \times 2}) \\ & = \underline{13 \times 5} + 4 \times 16 \\ & = 65 + \underline{4 \times 16} \\ & = \underline{65 + 64} \\ & = 129 \end{aligned}$$

$$\begin{aligned} & (6 + 10) \times 3 + 7 \times (2 + 8) \\ & = 16 \times 3 + 7 \times (\underline{2 + 8}) \\ & = \underline{16 \times 3} + 7 \times 10 \\ & = 48 + \underline{7 \times 10} \\ & = \underline{48 + 70} \\ & = 118 \end{aligned}$$

$$\begin{aligned} & ((4 + 7) \times 6) \times 2 + 5 + 8 \\ & = (\underline{11 \times 6}) \times 2 + 5 + 8 \\ & = \underline{66 \times 2} + 5 + 8 \\ & = \underline{132 + 5} + 8 \\ & = \underline{137 + 8} \\ & = 145 \end{aligned}$$

$$\begin{aligned} & (2 \times (7 + 4)) \times 3 + 5 \times 8 \\ & = (\underline{2 \times 11}) \times 3 + 5 \times 8 \\ & = \underline{22 \times 3} + 5 \times 8 \\ & = 66 + \underline{5 \times 8} \\ & = \underline{66 + 40} \\ & = 106 \end{aligned}$$

$$\begin{aligned} & (6 + 3) \times 5 + 4 \times (7 + 9) \\ & = 9 \times 5 + 4 \times (\underline{7 + 9}) \\ & = \underline{9 \times 5} + 4 \times 16 \\ & = 45 + \underline{4 \times 16} \\ & = \underline{45 + 64} \\ & = 109 \end{aligned}$$

$$\begin{aligned} & (7 + 10) \times 4 + 3 \times (5 \times 2) \\ & = 17 \times 4 + 3 \times (\underline{5 \times 2}) \\ & = \underline{17 \times 4} + 3 \times 10 \\ & = 68 + \underline{3 \times 10} \\ & = \underline{68 + 30} \\ & = 98 \end{aligned}$$

# Order of Operations (D)

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

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

Solve each expression using the correct order of operations.

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

$$(10 + 8) \times 5 + 9 \times (3 \times 2)$$

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

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

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

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

$$(2 + 7) \times 4 + 5 \times (10 + 8)$$

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

# Order of Operations (D)

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

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

Solve each expression using the correct order of operations.

$$\begin{aligned} & ((8 + 6) \times 2) \times 4 + 3 + 10 \\ & = (14 \times 2) \times 4 + 3 + 10 \\ & = 28 \times 4 + 3 + 10 \\ & = 112 + 3 + 10 \\ & = 115 + 10 \\ & = 125 \end{aligned}$$

$$\begin{aligned} & (10 + 8) \times 5 + 9 \times (3 \times 2) \\ & = 18 \times 5 + 9 \times (3 \times 2) \\ & = 18 \times 5 + 9 \times 6 \\ & = 90 + 9 \times 6 \\ & = 90 + 54 \\ & = 144 \end{aligned}$$

$$\begin{aligned} & (8 + 4) \times 10 + 3 \times (2 + 6) \\ & = 12 \times 10 + 3 \times (2 + 6) \\ & = 12 \times 10 + 3 \times 8 \\ & = 120 + 3 \times 8 \\ & = 120 + 24 \\ & = 144 \end{aligned}$$

$$\begin{aligned} & (2 + 3) \times 7 + 9 \times (4 + 5) \\ & = 5 \times 7 + 9 \times (4 + 5) \\ & = 5 \times 7 + 9 \times 9 \\ & = 35 + 9 \times 9 \\ & = 35 + 81 \\ & = 116 \end{aligned}$$

$$\begin{aligned} & (3 + 2) \times 8 + 4 \times (5 + 9) \\ & = 5 \times 8 + 4 \times (5 + 9) \\ & = 5 \times 8 + 4 \times 14 \\ & = 40 + 4 \times 14 \\ & = 40 + 56 \\ & = 96 \end{aligned}$$

$$\begin{aligned} & ((6 + 9) \times 2) \times 4 + 7 + 8 \\ & = (15 \times 2) \times 4 + 7 + 8 \\ & = 30 \times 4 + 7 + 8 \\ & = 120 + 7 + 8 \\ & = 127 + 8 \\ & = 135 \end{aligned}$$

$$\begin{aligned} & (2 + 7) \times 4 + 5 \times (10 + 8) \\ & = 9 \times 4 + 5 \times (10 + 8) \\ & = 9 \times 4 + 5 \times 18 \\ & = 36 + 5 \times 18 \\ & = 36 + 90 \\ & = 126 \end{aligned}$$

$$\begin{aligned} & (8 + 7) \times 6 + 2 \times (4 + 9) \\ & = 15 \times 6 + 2 \times (4 + 9) \\ & = 15 \times 6 + 2 \times 13 \\ & = 90 + 2 \times 13 \\ & = 90 + 26 \\ & = 116 \end{aligned}$$



# Order of Operations (E)

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

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

Solve each expression using the correct order of operations.

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

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

$$(5 + 6) \times 2 + 4 \times (10 + 3)$$

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

$$(8 + 4) \times 7 + 3 \times (9 + 10)$$

$$(9 + 4) \times 7 + 3 \times (8 + 10)$$

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

$$(5 \times (3 + 9)) \times 2 + 7 + 8$$

# Order of Operations (E)

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

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

Solve each expression using the correct order of operations.

$$\begin{aligned} & ((3 + 8) \times 2) \times 5 + 4 + 10 \\ & = (11 \times 2) \times 5 + 4 + 10 \\ & = 22 \times 5 + 4 + 10 \\ & = 110 + 4 + 10 \\ & = 114 + 10 \\ & = 124 \end{aligned}$$

$$\begin{aligned} & ((7 + 9) \times 2) \times 3 + 4 + 10 \\ & = (16 \times 2) \times 3 + 4 + 10 \\ & = 32 \times 3 + 4 + 10 \\ & = 96 + 4 + 10 \\ & = 100 + 10 \\ & = 110 \end{aligned}$$

$$\begin{aligned} & (5 + 6) \times 2 + 4 \times (10 + 3) \\ & = 11 \times 2 + 4 \times (10 + 3) \\ & = 11 \times 2 + 4 \times 13 \\ & = 22 + 4 \times 13 \\ & = 22 + 52 \\ & = 74 \end{aligned}$$

$$\begin{aligned} & (6 + 3) \times 8 + 5 \times (4 + 7) \\ & = 9 \times 8 + 5 \times (4 + 7) \\ & = 9 \times 8 + 5 \times 11 \\ & = 72 + 5 \times 11 \\ & = 72 + 55 \\ & = 127 \end{aligned}$$

$$\begin{aligned} & (8 + 4) \times 7 + 3 \times (9 + 10) \\ & = 12 \times 7 + 3 \times (9 + 10) \\ & = 12 \times 7 + 3 \times 19 \\ & = 84 + 3 \times 19 \\ & = 84 + 57 \\ & = 141 \end{aligned}$$

$$\begin{aligned} & (9 + 4) \times 7 + 3 \times (8 + 10) \\ & = 13 \times 7 + 3 \times (8 + 10) \\ & = 13 \times 7 + 3 \times 18 \\ & = 91 + 3 \times 18 \\ & = 91 + 54 \\ & = 145 \end{aligned}$$

$$\begin{aligned} & (8 + 7) \times 2 + 5 \times (4 \times 6) \\ & = 15 \times 2 + 5 \times (4 \times 6) \\ & = 15 \times 2 + 5 \times 24 \\ & = 30 + 5 \times 24 \\ & = 30 + 120 \\ & = 150 \end{aligned}$$

$$\begin{aligned} & (5 \times (3 + 9)) \times 2 + 7 + 8 \\ & = (5 \times 12) \times 2 + 7 + 8 \\ & = 60 \times 2 + 7 + 8 \\ & = 120 + 7 + 8 \\ & = 127 + 8 \\ & = 135 \end{aligned}$$

# Order of Operations (F)

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

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

Solve each expression using the correct order of operations.

$$(4 \times (8 + 7)) \times 2 + 6 + 10$$

$$((7 + 9) \times 2) \times 4 + 5 + 8$$

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

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

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

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

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

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

# Order of Operations (F)

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

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

Solve each expression using the correct order of operations.

$$\begin{aligned}(4 \times (8 + 7)) \times 2 + 6 + 10 \\ &= (4 \times 15) \times 2 + 6 + 10 \\ &= 60 \times 2 + 6 + 10 \\ &= 120 + 6 + 10 \\ &= 126 + 10 \\ &= 136\end{aligned}$$

$$\begin{aligned}((7 + 9) \times 2) \times 4 + 5 + 8 \\ &= (16 \times 2) \times 4 + 5 + 8 \\ &= 32 \times 4 + 5 + 8 \\ &= 128 + 5 + 8 \\ &= 133 + 8 \\ &= 141\end{aligned}$$

$$\begin{aligned}((7 + 9) \times 2) \times 4 + 5 + 6 \\ &= (16 \times 2) \times 4 + 5 + 6 \\ &= 32 \times 4 + 5 + 6 \\ &= 128 + 5 + 6 \\ &= 133 + 6 \\ &= 139\end{aligned}$$

$$\begin{aligned}(3 + 4) \times 6 + 2 \times (10 + 9) \\ &= 7 \times 6 + 2 \times (10 + 9) \\ &= 7 \times 6 + 2 \times 19 \\ &= 42 + 2 \times 19 \\ &= 42 + 38 \\ &= 80\end{aligned}$$

$$\begin{aligned}(6 + 5) \times 4 + 7 \times (2 + 9) \\ &= 11 \times 4 + 7 \times (2 + 9) \\ &= 11 \times 4 + 7 \times 11 \\ &= 44 + 7 \times 11 \\ &= 44 + 77 \\ &= 121\end{aligned}$$

$$\begin{aligned}(4 + 7) \times 2 + 5 \times (9 + 3) \\ &= 11 \times 2 + 5 \times (9 + 3) \\ &= 11 \times 2 + 5 \times 12 \\ &= 22 + 5 \times 12 \\ &= 22 + 60 \\ &= 82\end{aligned}$$

$$\begin{aligned}(8 + 7) \times 5 + 4 \times (2 \times 3) \\ &= 15 \times 5 + 4 \times (2 \times 3) \\ &= 15 \times 5 + 4 \times 6 \\ &= 75 + 4 \times 6 \\ &= 75 + 24 \\ &= 99\end{aligned}$$

$$\begin{aligned}(8 + 2) \times 10 + 4 \times (3 + 7) \\ &= 10 \times 10 + 4 \times (3 + 7) \\ &= 10 \times 10 + 4 \times 10 \\ &= 100 + 4 \times 10 \\ &= 100 + 40 \\ &= 140\end{aligned}$$

# Order of Operations (G)

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

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

Solve each expression using the correct order of operations.

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

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

$$(3 \times (10 + 9)) \times 2 + 7 + 8$$

$$(2 + 10) \times 5 + 3 \times (4 \times 6)$$

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

$$(10 + 5) \times 2 + 4 \times (6 + 3)$$

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

$$(4 + 8) \times 7 + 5 \times (2 + 10)$$

# Order of Operations (G)

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

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

Solve each expression using the correct order of operations.

$$\begin{aligned} & (10 + 3) \times 2 + 6 \times (4 + 9) \\ & = 13 \times 2 + 6 \times (4 + 9) \\ & = 13 \times 2 + 6 \times 13 \\ & = 26 + 6 \times 13 \\ & = 26 + 78 \\ & = 104 \end{aligned}$$

$$\begin{aligned} & (10 + 6) \times 4 + 2 \times (3 \times 9) \\ & = 16 \times 4 + 2 \times (3 \times 9) \\ & = 16 \times 4 + 2 \times 27 \\ & = 64 + 2 \times 27 \\ & = 64 + 54 \\ & = 118 \end{aligned}$$

$$\begin{aligned} & (3 \times (10 + 9)) \times 2 + 7 + 8 \\ & = (3 \times 19) \times 2 + 7 + 8 \\ & = 57 \times 2 + 7 + 8 \\ & = 114 + 7 + 8 \\ & = 121 + 8 \\ & = 129 \end{aligned}$$

$$\begin{aligned} & (2 + 10) \times 5 + 3 \times (4 \times 6) \\ & = 12 \times 5 + 3 \times (4 \times 6) \\ & = 12 \times 5 + 3 \times 24 \\ & = 60 + 3 \times 24 \\ & = 60 + 72 \\ & = 132 \end{aligned}$$

$$\begin{aligned} & (9 + 5) \times 4 + 7 \times (3 \times 2) \\ & = 14 \times 4 + 7 \times (3 \times 2) \\ & = 14 \times 4 + 7 \times 6 \\ & = 56 + 7 \times 6 \\ & = 56 + 42 \\ & = 98 \end{aligned}$$

$$\begin{aligned} & (10 + 5) \times 2 + 4 \times (6 + 3) \\ & = 15 \times 2 + 4 \times (6 + 3) \\ & = 15 \times 2 + 4 \times 9 \\ & = 30 + 4 \times 9 \\ & = 30 + 36 \\ & = 66 \end{aligned}$$

$$\begin{aligned} & (2 + 4) \times 5 + 3 \times (7 + 8) \\ & = 6 \times 5 + 3 \times (7 + 8) \\ & = 6 \times 5 + 3 \times 15 \\ & = 30 + 3 \times 15 \\ & = 30 + 45 \\ & = 75 \end{aligned}$$

$$\begin{aligned} & (4 + 8) \times 7 + 5 \times (2 + 10) \\ & = 12 \times 7 + 5 \times (2 + 10) \\ & = 12 \times 7 + 5 \times 12 \\ & = 84 + 5 \times 12 \\ & = 84 + 60 \\ & = 144 \end{aligned}$$

# Order of Operations (H)

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

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

Solve each expression using the correct order of operations.

$$(6 \times (7 + 4)) \times 2 + 3 + 10$$

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

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

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

$$(5 + 9) \times 2 + 6 \times (3 + 8)$$

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

$$((5 + 9) \times 3) \times 2 + 6 + 10$$

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

# Order of Operations (H)

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

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

Solve each expression using the correct order of operations.

$$\begin{aligned} &(6 \times (7 + 4)) \times 2 + 3 + 10 \\ &= (6 \times 11) \times 2 + 3 + 10 \\ &= 66 \times 2 + 3 + 10 \\ &= 132 + 3 + 10 \\ &= 135 + 10 \\ &= 145 \end{aligned}$$

$$\begin{aligned} &(8 + 7) \times 4 + 5 \times (3 + 10) \\ &= 15 \times 4 + 5 \times (3 + 10) \\ &= 15 \times 4 + 5 \times 13 \\ &= 60 + 5 \times 13 \\ &= 60 + 65 \\ &= 125 \end{aligned}$$

$$\begin{aligned} &(6 \times (4 + 7)) \times 2 + 10 + 5 \\ &= (6 \times 11) \times 2 + 10 + 5 \\ &= 66 \times 2 + 10 + 5 \\ &= 132 + 10 + 5 \\ &= 142 + 5 \\ &= 147 \end{aligned}$$

$$\begin{aligned} &(4 + 10) \times 6 + 3 \times (8 + 9) \\ &= 14 \times 6 + 3 \times (8 + 9) \\ &= 14 \times 6 + 3 \times 17 \\ &= 84 + 3 \times 17 \\ &= 84 + 51 \\ &= 135 \end{aligned}$$

$$\begin{aligned} &(5 + 9) \times 2 + 6 \times (3 + 8) \\ &= 14 \times 2 + 6 \times (3 + 8) \\ &= 14 \times 2 + 6 \times 11 \\ &= 28 + 6 \times 11 \\ &= 28 + 66 \\ &= 94 \end{aligned}$$

$$\begin{aligned} &(6 + 9) \times 7 + 3 \times (8 + 5) \\ &= 15 \times 7 + 3 \times (8 + 5) \\ &= 15 \times 7 + 3 \times 13 \\ &= 105 + 3 \times 13 \\ &= 105 + 39 \\ &= 144 \end{aligned}$$

$$\begin{aligned} &((5 + 9) \times 3) \times 2 + 6 + 10 \\ &= (14 \times 3) \times 2 + 6 + 10 \\ &= 42 \times 2 + 6 + 10 \\ &= 84 + 6 + 10 \\ &= 90 + 10 \\ &= 100 \end{aligned}$$

$$\begin{aligned} &(2 \times (8 + 4)) \times 3 + 6 + 10 \\ &= (2 \times 12) \times 3 + 6 + 10 \\ &= 24 \times 3 + 6 + 10 \\ &= 72 + 6 + 10 \\ &= 78 + 10 \\ &= 88 \end{aligned}$$



# Order of Operations (I)

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

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

Solve each expression using the correct order of operations.

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

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

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

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

$$(2 \times (4 + 3)) \times 5 + 6 + 10$$

$$(8 + 6) \times 7 + 2 \times (4 + 10)$$

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

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

# Order of Operations (I)

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

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

Solve each expression using the correct order of operations.

$$\begin{aligned} & (4 + 8) \times 2 + 7 \times (5 + 3) \\ & = 12 \times 2 + 7 \times (5 + 3) \\ & = \underline{12 \times 2} + 7 \times 8 \\ & = 24 + \underline{7 \times 8} \\ & = \underline{24 + 56} \\ & = 80 \end{aligned}$$

$$\begin{aligned} & (3 + 2) \times 9 + 7 \times (5 + 10) \\ & = 5 \times 9 + 7 \times (5 + 10) \\ & = \underline{5 \times 9} + 7 \times 15 \\ & = 45 + \underline{7 \times 15} \\ & = \underline{45 + 105} \\ & = 150 \end{aligned}$$

$$\begin{aligned} & (8 + 9) \times 2 + 6 \times (3 + 4) \\ & = 17 \times 2 + 6 \times (3 + 4) \\ & = \underline{17 \times 2} + 6 \times 7 \\ & = 34 + \underline{6 \times 7} \\ & = \underline{34 + 42} \\ & = 76 \end{aligned}$$

$$\begin{aligned} & (5 + 9) \times 3 + 6 \times (8 + 7) \\ & = 14 \times 3 + 6 \times (8 + 7) \\ & = \underline{14 \times 3} + 6 \times 15 \\ & = 42 + \underline{6 \times 15} \\ & = \underline{42 + 90} \\ & = 132 \end{aligned}$$

$$\begin{aligned} & (2 \times (4 + 3)) \times 5 + 6 + 10 \\ & = (2 \times 7) \times 5 + 6 + 10 \\ & = \underline{14 \times 5} + 6 + 10 \\ & = \underline{70 + 6} + 10 \\ & = \underline{76 + 10} \\ & = 86 \end{aligned}$$

$$\begin{aligned} & (8 + 6) \times 7 + 2 \times (4 + 10) \\ & = 14 \times 7 + 2 \times (4 + 10) \\ & = \underline{14 \times 7} + 2 \times 14 \\ & = 98 + \underline{2 \times 14} \\ & = \underline{98 + 28} \\ & = 126 \end{aligned}$$

$$\begin{aligned} & (3 \times (4 + 2)) \times 5 + 9 + 8 \\ & = (3 \times 6) \times 5 + 9 + 8 \\ & = \underline{18 \times 5} + 9 + 8 \\ & = \underline{90 + 9} + 8 \\ & = \underline{99 + 8} \\ & = 107 \end{aligned}$$

$$\begin{aligned} & (6 + 5) \times 2 + 8 \times (4 + 7) \\ & = 11 \times 2 + 8 \times (4 + 7) \\ & = \underline{11 \times 2} + 8 \times 11 \\ & = 22 + \underline{8 \times 11} \\ & = \underline{22 + 88} \\ & = 110 \end{aligned}$$

# Order of Operations (J)

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

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

Solve each expression using the correct order of operations.

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

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

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

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

$$(2 \times (8 + 7)) \times 3 + 9 + 10$$

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

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

$$(10 + 6) \times 7 + 2 \times (9 + 8)$$

# Order of Operations (J)

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

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

Solve each expression using the correct order of operations.

$$\begin{aligned} & (6 + 8) \times 3 + 10 \times (4 + 2) \\ & = 14 \times 3 + 10 \times (4 + 2) \\ & = \underline{14 \times 3} + 10 \times 6 \\ & = 42 + \underline{10 \times 6} \\ & = \underline{42 + 60} \\ & = 102 \end{aligned}$$

$$\begin{aligned} & (2 \times (7 + 10)) \times 4 + 3 + 9 \\ & = (2 \times 17) \times 4 + 3 + 9 \\ & = \underline{34 \times 4} + 3 + 9 \\ & = \underline{136 + 3} + 9 \\ & = \underline{139 + 9} \\ & = 148 \end{aligned}$$

$$\begin{aligned} & 5 \times 4 + 3 \times ((8 + 9) \times 2) \\ & = 5 \times 4 + 3 \times (17 \times 2) \\ & = \underline{5 \times 4} + 3 \times 34 \\ & = 20 + \underline{3 \times 34} \\ & = \underline{20 + 102} \\ & = 122 \end{aligned}$$

$$\begin{aligned} & 3 \times 6 + 2 \times ((4 + 5) \times 7) \\ & = 3 \times 6 + 2 \times (9 \times 7) \\ & = \underline{3 \times 6} + 2 \times 63 \\ & = 18 + \underline{2 \times 63} \\ & = \underline{18 + 126} \\ & = 144 \end{aligned}$$

$$\begin{aligned} & (2 \times (8 + 7)) \times 3 + 9 + 10 \\ & = (2 \times 15) \times 3 + 9 + 10 \\ & = \underline{30 \times 3} + 9 + 10 \\ & = \underline{90 + 9} + 10 \\ & = \underline{99 + 10} \\ & = 109 \end{aligned}$$

$$\begin{aligned} & (6 + 7) \times 4 + 5 \times (10 + 8) \\ & = 13 \times 4 + 5 \times (10 + 8) \\ & = \underline{13 \times 4} + 5 \times 18 \\ & = 52 + \underline{5 \times 18} \\ & = \underline{52 + 90} \\ & = 142 \end{aligned}$$

$$\begin{aligned} & (9 + 8) \times 6 + 2 \times (7 + 5) \\ & = 17 \times 6 + 2 \times (7 + 5) \\ & = \underline{17 \times 6} + 2 \times 12 \\ & = 102 + \underline{2 \times 12} \\ & = \underline{102 + 24} \\ & = 126 \end{aligned}$$

$$\begin{aligned} & (10 + 6) \times 7 + 2 \times (9 + 8) \\ & = 16 \times 7 + 2 \times (9 + 8) \\ & = \underline{16 \times 7} + 2 \times 17 \\ & = 112 + \underline{2 \times 17} \\ & = \underline{112 + 34} \\ & = 146 \end{aligned}$$