

# Order of Operations (A)

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

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

Simplify each expression using the correct order of operations.

$$(4 \times (5 + 2)) \times 6 + 7 + 3 \times 8$$

$$6 \times 9 + 4 + 8 \times (2 \times (5 + 3))$$

$$3 \times 4 + 7 + 5 \times (2 \times (9 + 6))$$

$$(9 + 8) \times 4 \times 2 + 3 \times (5 + 10)$$

$$7 \times 8 + 5 + 4 \times ((6 + 9) \times 2)$$

$$4 \times 7 + 10 + 5 \times ((6 + 9) \times 2)$$

# Order of Operations (A)

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

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

Simplify each expression using the correct order of operations.

$$\begin{aligned}(4 \times (5 + 2)) \times 6 + 7 + 3 \times 8 \\ &= (4 \times 7) \times 6 + 7 + 3 \times 8 \\ &= 28 \times 6 + 7 + 3 \times 8 \\ &= 168 + 7 + 3 \times 8 \\ &= 168 + 7 + 24 \\ &= 175 + 24 \\ &= 199\end{aligned}$$

$$\begin{aligned}6 \times 9 + 4 + 8 \times (2 \times (5 + 3)) \\ &= 6 \times 9 + 4 + 8 \times (2 \times 8) \\ &= 6 \times 9 + 4 + 8 \times 16 \\ &= 54 + 4 + 8 \times 16 \\ &= 54 + 4 + 128 \\ &= 58 + 128 \\ &= 186\end{aligned}$$

$$\begin{aligned}3 \times 4 + 7 + 5 \times (2 \times (9 + 6)) \\ &= 3 \times 4 + 7 + 5 \times (2 \times 15) \\ &= 3 \times 4 + 7 + 5 \times 30 \\ &= 12 + 7 + 5 \times 30 \\ &= 12 + 7 + 150 \\ &= 19 + 150 \\ &= 169\end{aligned}$$

$$\begin{aligned}(9 + 8) \times 4 \times 2 + 3 \times (5 + 10) \\ &= 17 \times 4 \times 2 + 3 \times (5 + 10) \\ &= 17 \times 4 \times 2 + 3 \times 15 \\ &= 68 \times 2 + 3 \times 15 \\ &= 136 + 3 \times 15 \\ &= 136 + 45 \\ &= 181\end{aligned}$$

$$\begin{aligned}7 \times 8 + 5 + 4 \times ((6 + 9) \times 2) \\ &= 7 \times 8 + 5 + 4 \times (15 \times 2) \\ &= 7 \times 8 + 5 + 4 \times 30 \\ &= 56 + 5 + 4 \times 30 \\ &= 56 + 5 + 120 \\ &= 61 + 120 \\ &= 181\end{aligned}$$

$$\begin{aligned}4 \times 7 + 10 + 5 \times ((6 + 9) \times 2) \\ &= 4 \times 7 + 10 + 5 \times (15 \times 2) \\ &= 4 \times 7 + 10 + 5 \times 30 \\ &= 28 + 10 + 5 \times 30 \\ &= 28 + 10 + 150 \\ &= 38 + 150 \\ &= 188\end{aligned}$$

## Order of Operations (B)

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

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

Simplify each expression using the correct order of operations.

$$((9 + 10) \times 2) \times 3 + 8 \times (5 + 4)$$

$$(2 \times (7 + 6)) \times 4 + 10 + 8 \times 5$$

$$(2 \times (4 + 6)) \times 5 + 3 + 8 \times 10$$

$$(2 \times (5 + 4)) \times 7 + 3 + 10 \times 6$$

$$4 \times 10 + 8 + 5 \times (2 \times (6 + 7))$$

$$6 \times 10 + 8 + 2 \times ((3 + 7) \times 5)$$

# Order of Operations (B)

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

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

Simplify each expression using the correct order of operations.

$$\begin{aligned} & ((9 + 10) \times 2) \times 3 + 8 \times (5 + 4) \\ & = (19 \times 2) \times 3 + 8 \times (5 + 4) \\ & = 38 \times 3 + 8 \times (5 + 4) \\ & = \underline{38 \times 3} + 8 \times 9 \\ & = 114 + \underline{8 \times 9} \\ & = \underline{114 + 72} \\ & = 186 \end{aligned}$$

$$\begin{aligned} & (2 \times (7 + 6)) \times 4 + 10 + 8 \times 5 \\ & = (2 \times 13) \times 4 + 10 + 8 \times 5 \\ & = \underline{26 \times 4} + 10 + 8 \times 5 \\ & = 104 + 10 + \underline{8 \times 5} \\ & = \underline{104 + 10} + 40 \\ & = \underline{114 + 40} \\ & = 154 \end{aligned}$$

$$\begin{aligned} & (2 \times (4 + 6)) \times 5 + 3 + 8 \times 10 \\ & = (2 \times 10) \times 5 + 3 + 8 \times 10 \\ & = \underline{20 \times 5} + 3 + 8 \times 10 \\ & = 100 + 3 + \underline{8 \times 10} \\ & = \underline{100 + 3} + 80 \\ & = \underline{103 + 80} \\ & = 183 \end{aligned}$$

$$\begin{aligned} & (2 \times (5 + 4)) \times 7 + 3 + 10 \times 6 \\ & = (2 \times 9) \times 7 + 3 + 10 \times 6 \\ & = \underline{18 \times 7} + 3 + 10 \times 6 \\ & = 126 + 3 + \underline{10 \times 6} \\ & = \underline{126 + 3} + 60 \\ & = \underline{129 + 60} \\ & = 189 \end{aligned}$$

$$\begin{aligned} & 4 \times 10 + 8 + 5 \times (2 \times (6 + 7)) \\ & = 4 \times 10 + 8 + 5 \times (2 \times 13) \\ & = \underline{4 \times 10} + 8 + 5 \times 26 \\ & = 40 + 8 + \underline{5 \times 26} \\ & = \underline{40 + 8} + 130 \\ & = \underline{48 + 130} \\ & = 178 \end{aligned}$$

$$\begin{aligned} & 6 \times 10 + 8 + 2 \times ((3 + 7) \times 5) \\ & = 6 \times 10 + 8 + 2 \times (10 \times 5) \\ & = \underline{6 \times 10} + 8 + 2 \times 50 \\ & = 60 + 8 + \underline{2 \times 50} \\ & = \underline{60 + 8} + 100 \\ & = \underline{68 + 100} \\ & = 168 \end{aligned}$$

# Order of Operations (C)

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

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

Simplify each expression using the correct order of operations.

$$6 + 7 \times 4 + 2 \times ((8 + 9) \times 3)$$

$$4 \times 5 + 9 + 2 \times (3 \times (10 + 8))$$

$$9 \times 3 + 8 + 5 \times ((6 + 2) \times 4)$$

$$((2 + 4) \times 3) \times 5 + 8 + 6 \times 10$$

$$((3 + 8) \times 6) \times 2 + 10 + 9 \times 5$$

$$4 \times 7 + 8 + 3 \times ((5 + 2) \times 6)$$

# Order of Operations (C)

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

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

Simplify each expression using the correct order of operations.

$$\begin{aligned} &6 + 7 \times 4 + 2 \times ((8 + 9) \times 3) \\ &= 6 + 7 \times 4 + 2 \times (17 \times 3) \\ &= 6 + 7 \times 4 + 2 \times 51 \\ &= 6 + 28 + 2 \times 51 \\ &= 6 + 28 + 102 \\ &= 34 + 102 \\ &= 136 \end{aligned}$$

$$\begin{aligned} &4 \times 5 + 9 + 2 \times (3 \times (10 + 8)) \\ &= 4 \times 5 + 9 + 2 \times (3 \times 18) \\ &= 4 \times 5 + 9 + 2 \times 54 \\ &= 20 + 9 + 2 \times 54 \\ &= 20 + 9 + 108 \\ &= 29 + 108 \\ &= 137 \end{aligned}$$

$$\begin{aligned} &9 \times 3 + 8 + 5 \times ((6 + 2) \times 4) \\ &= 9 \times 3 + 8 + 5 \times (8 \times 4) \\ &= 9 \times 3 + 8 + 5 \times 32 \\ &= 27 + 8 + 5 \times 32 \\ &= 27 + 8 + 160 \\ &= 35 + 160 \\ &= 195 \end{aligned}$$

$$\begin{aligned} &((2 + 4) \times 3) \times 5 + 8 + 6 \times 10 \\ &= (6 \times 3) \times 5 + 8 + 6 \times 10 \\ &= 18 \times 5 + 8 + 6 \times 10 \\ &= 90 + 8 + 6 \times 10 \\ &= 90 + 8 + 60 \\ &= 98 + 60 \\ &= 158 \end{aligned}$$

$$\begin{aligned} &((3 + 8) \times 6) \times 2 + 10 + 9 \times 5 \\ &= (11 \times 6) \times 2 + 10 + 9 \times 5 \\ &= 66 \times 2 + 10 + 9 \times 5 \\ &= 132 + 10 + 9 \times 5 \\ &= 132 + 10 + 45 \\ &= 142 + 45 \\ &= 187 \end{aligned}$$

$$\begin{aligned} &4 \times 7 + 8 + 3 \times ((5 + 2) \times 6) \\ &= 4 \times 7 + 8 + 3 \times (7 \times 6) \\ &= 4 \times 7 + 8 + 3 \times 42 \\ &= 28 + 8 + 3 \times 42 \\ &= 28 + 8 + 126 \\ &= 36 + 126 \\ &= 162 \end{aligned}$$

# Order of Operations (D)

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

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

Simplify each expression using the correct order of operations.

$$(2 \times (4 + 3)) \times 10 + 5 \times 7 + 9$$

$$(2 \times (6 + 5)) \times 3 + 10 \times (8 + 4)$$

$$(5 \times (2 + 3)) \times 4 + 10 + 9 \times 6$$

$$(8 + 9) \times 4 + 3 \times 2 \times (10 + 7)$$

$$((7 + 6) \times 4) \times 2 + 9 + 5 \times 3$$

$$5 \times 4 + 8 + 2 \times ((9 + 7) \times 3)$$

# Order of Operations (D)

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

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

Simplify each expression using the correct order of operations.

$$\begin{aligned}(2 \times (4 + 3)) \times 10 + 5 \times 7 + 9 \\ &= (2 \times 7) \times 10 + 5 \times 7 + 9 \\ &= 14 \times 10 + 5 \times 7 + 9 \\ &= 140 + 5 \times 7 + 9 \\ &= 140 + 35 + 9 \\ &= 175 + 9 \\ &= 184\end{aligned}$$

$$\begin{aligned}(2 \times (6 + 5)) \times 3 + 10 \times (8 + 4) \\ &= (2 \times 11) \times 3 + 10 \times (8 + 4) \\ &= 22 \times 3 + 10 \times (8 + 4) \\ &= 22 \times 3 + 10 \times 12 \\ &= 66 + 10 \times 12 \\ &= 66 + 120 \\ &= 186\end{aligned}$$

$$\begin{aligned}(5 \times (2 + 3)) \times 4 + 10 + 9 \times 6 \\ &= (5 \times 5) \times 4 + 10 + 9 \times 6 \\ &= 25 \times 4 + 10 + 9 \times 6 \\ &= 100 + 10 + 9 \times 6 \\ &= 100 + 10 + 54 \\ &= 110 + 54 \\ &= 164\end{aligned}$$

$$\begin{aligned}(8 + 9) \times 4 + 3 \times 2 \times (10 + 7) \\ &= 17 \times 4 + 3 \times 2 \times (10 + 7) \\ &= 17 \times 4 + 3 \times 2 \times 17 \\ &= 68 + 3 \times 2 \times 17 \\ &= 68 + 6 \times 17 \\ &= 68 + 102 \\ &= 170\end{aligned}$$

$$\begin{aligned}((7 + 6) \times 4) \times 2 + 9 + 5 \times 3 \\ &= (13 \times 4) \times 2 + 9 + 5 \times 3 \\ &= 52 \times 2 + 9 + 5 \times 3 \\ &= 104 + 9 + 5 \times 3 \\ &= 104 + 9 + 15 \\ &= 113 + 15 \\ &= 128\end{aligned}$$

$$\begin{aligned}5 \times 4 + 8 + 2 \times ((9 + 7) \times 3) \\ &= 5 \times 4 + 8 + 2 \times (16 \times 3) \\ &= 5 \times 4 + 8 + 2 \times 48 \\ &= 20 + 8 + 2 \times 48 \\ &= 20 + 8 + 96 \\ &= 28 + 96 \\ &= 124\end{aligned}$$



# Order of Operations (E)

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

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

Simplify each expression using the correct order of operations.

$$6 \times 8 + 4 + 3 \times ((10 + 7) \times 2)$$

$$(8 \times (5 + 4)) \times 2 + 9 + 6 \times 7$$

$$9 \times 8 + 3 + 2 \times (4 \times (10 + 5))$$

$$8 \times 7 + 10 + 2 \times ((3 + 4) \times 5)$$

$$8 \times 7 + 5 + 4 \times (3 \times (2 + 9))$$

$$(3 + 7) \times 5 + 6 \times ((8 + 4) \times 2)$$

# Order of Operations (E)

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

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

Simplify each expression using the correct order of operations.

$$\begin{aligned} &6 \times 8 + 4 + 3 \times ((\underline{10 + 7}) \times 2) \\ &= 6 \times 8 + 4 + 3 \times (\underline{17 \times 2}) \\ &= \underline{6 \times 8} + 4 + 3 \times 34 \\ &= 48 + 4 + \underline{3 \times 34} \\ &= \underline{48 + 4} + 102 \\ &= \underline{52 + 102} \\ &= 154 \end{aligned}$$

$$\begin{aligned} &(8 \times (\underline{5 + 4})) \times 2 + 9 + 6 \times 7 \\ &= (\underline{8 \times 9}) \times 2 + 9 + 6 \times 7 \\ &= \underline{72 \times 2} + 9 + 6 \times 7 \\ &= 144 + 9 + \underline{6 \times 7} \\ &= \underline{144 + 9} + 42 \\ &= \underline{153 + 42} \\ &= 195 \end{aligned}$$

$$\begin{aligned} &9 \times 8 + 3 + 2 \times (4 \times (\underline{10 + 5})) \\ &= 9 \times 8 + 3 + 2 \times (\underline{4 \times 15}) \\ &= \underline{9 \times 8} + 3 + 2 \times 60 \\ &= 72 + 3 + \underline{2 \times 60} \\ &= \underline{72 + 3} + 120 \\ &= \underline{75 + 120} \\ &= 195 \end{aligned}$$

$$\begin{aligned} &8 \times 7 + 10 + 2 \times ((\underline{3 + 4}) \times 5) \\ &= 8 \times 7 + 10 + 2 \times (\underline{7 \times 5}) \\ &= \underline{8 \times 7} + 10 + 2 \times 35 \\ &= 56 + 10 + \underline{2 \times 35} \\ &= \underline{56 + 10} + 70 \\ &= \underline{66 + 70} \\ &= 136 \end{aligned}$$

$$\begin{aligned} &8 \times 7 + 5 + 4 \times (3 \times (\underline{2 + 9})) \\ &= 8 \times 7 + 5 + 4 \times (\underline{3 \times 11}) \\ &= \underline{8 \times 7} + 5 + 4 \times 33 \\ &= 56 + 5 + \underline{4 \times 33} \\ &= \underline{56 + 5} + 132 \\ &= \underline{61 + 132} \\ &= 193 \end{aligned}$$

$$\begin{aligned} &(\underline{3 + 7}) \times 5 + 6 \times ((8 + 4) \times 2) \\ &= 10 \times 5 + 6 \times ((\underline{8 + 4}) \times 2) \\ &= 10 \times 5 + 6 \times (\underline{12 \times 2}) \\ &= \underline{10 \times 5} + 6 \times 24 \\ &= 50 + \underline{6 \times 24} \\ &= \underline{50 + 144} \\ &= 194 \end{aligned}$$

# Order of Operations (F)

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

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

Simplify each expression using the correct order of operations.

$$(2 \times (4 + 7)) \times 6 + 5 + 9 \times 3$$

$$((2 + 5) \times 6) \times 3 + 9 + 4 \times 8$$

$$(5 + 6) \times 4 \times 2 + 9 \times (8 + 3)$$

$$9 \times 3 + 5 + 2 \times (7 \times (4 + 6))$$

$$(6 \times (7 + 4)) \times 2 + 5 + 3 \times 9$$

$$((3 + 4) \times 7) \times 2 + 10 + 5 \times 6$$

# Order of Operations (F)

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

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

Simplify each expression using the correct order of operations.

$$\begin{aligned}(2 \times (4 + 7)) \times 6 + 5 + 9 \times 3 \\ &= (2 \times 11) \times 6 + 5 + 9 \times 3 \\ &= 22 \times 6 + 5 + 9 \times 3 \\ &= 132 + 5 + 9 \times 3 \\ &= 132 + 5 + 27 \\ &= 137 + 27 \\ &= 164\end{aligned}$$

$$\begin{aligned}((2 + 5) \times 6) \times 3 + 9 + 4 \times 8 \\ &= (7 \times 6) \times 3 + 9 + 4 \times 8 \\ &= 42 \times 3 + 9 + 4 \times 8 \\ &= 126 + 9 + 4 \times 8 \\ &= 126 + 9 + 32 \\ &= 135 + 32 \\ &= 167\end{aligned}$$

$$\begin{aligned}(5 + 6) \times 4 \times 2 + 9 \times (8 + 3) \\ &= 11 \times 4 \times 2 + 9 \times (8 + 3) \\ &= 11 \times 4 \times 2 + 9 \times 11 \\ &= 44 \times 2 + 9 \times 11 \\ &= 88 + 9 \times 11 \\ &= 88 + 99 \\ &= 187\end{aligned}$$

$$\begin{aligned}9 \times 3 + 5 + 2 \times (7 \times (4 + 6)) \\ &= 9 \times 3 + 5 + 2 \times (7 \times 10) \\ &= 9 \times 3 + 5 + 2 \times 70 \\ &= 27 + 5 + 2 \times 70 \\ &= 27 + 5 + 140 \\ &= 32 + 140 \\ &= 172\end{aligned}$$

$$\begin{aligned}(6 \times (7 + 4)) \times 2 + 5 + 3 \times 9 \\ &= (6 \times 11) \times 2 + 5 + 3 \times 9 \\ &= 66 \times 2 + 5 + 3 \times 9 \\ &= 132 + 5 + 3 \times 9 \\ &= 132 + 5 + 27 \\ &= 137 + 27 \\ &= 164\end{aligned}$$

$$\begin{aligned}((3 + 4) \times 7) \times 2 + 10 + 5 \times 6 \\ &= (7 \times 7) \times 2 + 10 + 5 \times 6 \\ &= 49 \times 2 + 10 + 5 \times 6 \\ &= 98 + 10 + 5 \times 6 \\ &= 98 + 10 + 30 \\ &= 108 + 30 \\ &= 138\end{aligned}$$

# Order of Operations (G)

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

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

Simplify each expression using the correct order of operations.

$$(2 \times (4 + 7)) \times 3 + 6 \times (10 + 8)$$

$$10 \times 5 + 6 + 2 \times ((7 + 9) \times 3)$$

$$(2 \times (5 + 6)) \times 4 + 8 + 10 \times 3$$

$$((3 + 7) \times 4) \times 2 + 10 + 9 \times 6$$

$$(4 + 9) \times 3 \times 2 + 5 \times (7 + 6)$$

$$(5 \times (9 + 4)) \times 2 + 10 + 8 \times 3$$

# Order of Operations (G)

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

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

Simplify each expression using the correct order of operations.

$$\begin{aligned}(2 \times (4 + 7)) \times 3 + 6 \times (10 + 8) \\ &= (2 \times 11) \times 3 + 6 \times (10 + 8) \\ &= 22 \times 3 + 6 \times (10 + 8) \\ &= \underline{22 \times 3} + 6 \times 18 \\ &= 66 + \underline{6 \times 18} \\ &= \underline{66 + 108} \\ &= 174\end{aligned}$$

$$\begin{aligned}10 \times 5 + 6 + 2 \times ((7 + 9) \times 3) \\ &= 10 \times 5 + 6 + 2 \times (16 \times 3) \\ &= \underline{10 \times 5} + 6 + 2 \times 48 \\ &= 50 + 6 + \underline{2 \times 48} \\ &= \underline{50 + 6} + 96 \\ &= \underline{56 + 96} \\ &= 152\end{aligned}$$

$$\begin{aligned}(2 \times (5 + 6)) \times 4 + 8 + 10 \times 3 \\ &= (2 \times 11) \times 4 + 8 + 10 \times 3 \\ &= \underline{22 \times 4} + 8 + 10 \times 3 \\ &= 88 + 8 + \underline{10 \times 3} \\ &= \underline{88 + 8} + 30 \\ &= \underline{96 + 30} \\ &= 126\end{aligned}$$

$$\begin{aligned}((3 + 7) \times 4) \times 2 + 10 + 9 \times 6 \\ &= (10 \times 4) \times 2 + 10 + 9 \times 6 \\ &= \underline{40 \times 2} + 10 + 9 \times 6 \\ &= 80 + 10 + \underline{9 \times 6} \\ &= \underline{80 + 10} + 54 \\ &= \underline{90 + 54} \\ &= 144\end{aligned}$$

$$\begin{aligned}(4 + 9) \times 3 \times 2 + 5 \times (7 + 6) \\ &= 13 \times 3 \times 2 + 5 \times (7 + 6) \\ &= \underline{13 \times 3} \times 2 + 5 \times 13 \\ &= \underline{39 \times 2} + 5 \times 13 \\ &= 78 + \underline{5 \times 13} \\ &= \underline{78 + 65} \\ &= 143\end{aligned}$$

$$\begin{aligned}(5 \times (9 + 4)) \times 2 + 10 + 8 \times 3 \\ &= (5 \times 13) \times 2 + 10 + 8 \times 3 \\ &= \underline{65 \times 2} + 10 + 8 \times 3 \\ &= 130 + 10 + \underline{8 \times 3} \\ &= \underline{130 + 10} + 24 \\ &= \underline{140 + 24} \\ &= 164\end{aligned}$$

# Order of Operations (H)

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

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

Simplify each expression using the correct order of operations.

$$10 \times 3 + 4 + 6 \times (2 \times (8 + 5))$$

$$(2 \times (10 + 6)) \times 5 + 8 \times 3 + 9$$

$$((5 + 2) \times 3) \times 7 + 10 + 4 \times 8$$

$$4 \times 5 + 6 + 2 \times ((10 + 9) \times 3)$$

$$((3 + 10) \times 6) \times 2 + 5 + 4 \times 8$$

$$3 \times 9 + 10 + 2 \times ((4 + 6) \times 8)$$

# Order of Operations (H)

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

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

Simplify each expression using the correct order of operations.

$$\begin{aligned} & 10 \times 3 + 4 + 6 \times (2 \times (8 + 5)) \\ & = 10 \times 3 + 4 + 6 \times (2 \times 13) \\ & = \underline{10 \times 3} + 4 + 6 \times 26 \\ & = 30 + 4 + \underline{6 \times 26} \\ & = \underline{30 + 4} + 156 \\ & = \underline{34 + 156} \\ & = 190 \end{aligned}$$

$$\begin{aligned} & (2 \times (10 + 6)) \times 5 + 8 \times 3 + 9 \\ & = (2 \times 16) \times 5 + 8 \times 3 + 9 \\ & = \underline{32 \times 5} + 8 \times 3 + 9 \\ & = 160 + \underline{8 \times 3} + 9 \\ & = \underline{160 + 24} + 9 \\ & = \underline{184 + 9} \\ & = 193 \end{aligned}$$

$$\begin{aligned} & ((5 + 2) \times 3) \times 7 + 10 + 4 \times 8 \\ & = (7 \times 3) \times 7 + 10 + 4 \times 8 \\ & = \underline{21 \times 7} + 10 + 4 \times 8 \\ & = 147 + 10 + \underline{4 \times 8} \\ & = \underline{147 + 10} + 32 \\ & = \underline{157 + 32} \\ & = 189 \end{aligned}$$

$$\begin{aligned} & 4 \times 5 + 6 + 2 \times ((10 + 9) \times 3) \\ & = 4 \times 5 + 6 + 2 \times (19 \times 3) \\ & = \underline{4 \times 5} + 6 + 2 \times 57 \\ & = 20 + 6 + \underline{2 \times 57} \\ & = \underline{20 + 6} + 114 \\ & = \underline{26 + 114} \\ & = 140 \end{aligned}$$

$$\begin{aligned} & ((3 + 10) \times 6) \times 2 + 5 + 4 \times 8 \\ & = (13 \times 6) \times 2 + 5 + 4 \times 8 \\ & = \underline{78 \times 2} + 5 + 4 \times 8 \\ & = 156 + 5 + \underline{4 \times 8} \\ & = \underline{156 + 5} + 32 \\ & = \underline{161 + 32} \\ & = 193 \end{aligned}$$

$$\begin{aligned} & 3 \times 9 + 10 + 2 \times ((4 + 6) \times 8) \\ & = 3 \times 9 + 10 + 2 \times (10 \times 8) \\ & = \underline{3 \times 9} + 10 + 2 \times 80 \\ & = 27 + 10 + \underline{2 \times 80} \\ & = \underline{27 + 10} + 160 \\ & = \underline{37 + 160} \\ & = 197 \end{aligned}$$



# Order of Operations (I)

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

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

Simplify each expression using the correct order of operations.

$$6 \times 10 + 5 + 4 \times ((9 + 3) \times 2)$$

$$8 \times 9 + 3 + 4 \times (2 \times (6 + 5))$$

$$(2 \times (3 + 4)) \times 7 + 9 + 8 \times 5$$

$$7 \times 4 + 10 + 2 \times ((5 + 9) \times 3)$$

$$(5 + 7) \times 3 + 2 \times (4 \times (6 + 8))$$

$$((2 + 6) \times 4) \times 3 + 5 \times (8 + 10)$$

# Order of Operations (I)

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

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

Simplify each expression using the correct order of operations.

$$\begin{aligned} & 6 \times 10 + 5 + 4 \times ((9 + 3) \times 2) \\ & = 6 \times 10 + 5 + 4 \times (12 \times 2) \\ & = 6 \times 10 + 5 + 4 \times 24 \\ & = 60 + 5 + 4 \times 24 \\ & = 60 + 5 + 96 \\ & = 65 + 96 \\ & = 161 \end{aligned}$$

$$\begin{aligned} & 8 \times 9 + 3 + 4 \times (2 \times (6 + 5)) \\ & = 8 \times 9 + 3 + 4 \times (2 \times 11) \\ & = 8 \times 9 + 3 + 4 \times 22 \\ & = 72 + 3 + 4 \times 22 \\ & = 72 + 3 + 88 \\ & = 75 + 88 \\ & = 163 \end{aligned}$$

$$\begin{aligned} & (2 \times (3 + 4)) \times 7 + 9 + 8 \times 5 \\ & = (2 \times 7) \times 7 + 9 + 8 \times 5 \\ & = 14 \times 7 + 9 + 8 \times 5 \\ & = 98 + 9 + 8 \times 5 \\ & = 98 + 9 + 40 \\ & = 107 + 40 \\ & = 147 \end{aligned}$$

$$\begin{aligned} & 7 \times 4 + 10 + 2 \times ((5 + 9) \times 3) \\ & = 7 \times 4 + 10 + 2 \times (14 \times 3) \\ & = 7 \times 4 + 10 + 2 \times 42 \\ & = 28 + 10 + 2 \times 42 \\ & = 28 + 10 + 84 \\ & = 38 + 84 \\ & = 122 \end{aligned}$$

$$\begin{aligned} & (5 + 7) \times 3 + 2 \times (4 \times (6 + 8)) \\ & = 12 \times 3 + 2 \times (4 \times (6 + 8)) \\ & = 12 \times 3 + 2 \times (4 \times 14) \\ & = 12 \times 3 + 2 \times 56 \\ & = 36 + 2 \times 56 \\ & = 36 + 112 \\ & = 148 \end{aligned}$$

$$\begin{aligned} & ((2 + 6) \times 4) \times 3 + 5 \times (8 + 10) \\ & = (8 \times 4) \times 3 + 5 \times (8 + 10) \\ & = 32 \times 3 + 5 \times (8 + 10) \\ & = 32 \times 3 + 5 \times 18 \\ & = 96 + 5 \times 18 \\ & = 96 + 90 \\ & = 186 \end{aligned}$$

# Order of Operations (J)

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

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

Simplify each expression using the correct order of operations.

$$(6 + 9) \times 8 + 4 \times ((3 + 7) \times 2)$$

$$10 \times 3 + 5 + 4 \times ((9 + 7) \times 2)$$

$$7 \times 5 + 10 + 4 \times ((2 + 6) \times 3)$$

$$(6 + 4) \times 10 + 3 \times 2 \times (5 + 8)$$

$$3 \times 9 + 6 + 2 \times (4 \times (5 + 10))$$

$$(3 \times (8 + 7)) \times 2 + 5 \times (9 + 10)$$

# Order of Operations (J)

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

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

Simplify each expression using the correct order of operations.

$$\begin{aligned} & (6 + 9) \times 8 + 4 \times ((3 + 7) \times 2) \\ &= 15 \times 8 + 4 \times ((3 + 7) \times 2) \\ &= 15 \times 8 + 4 \times (10 \times 2) \\ &= \underline{15 \times 8} + 4 \times 20 \\ &= 120 + \underline{4 \times 20} \\ &= \underline{120 + 80} \\ &= 200 \end{aligned}$$

$$\begin{aligned} & 10 \times 3 + 5 + 4 \times ((9 + 7) \times 2) \\ &= 10 \times 3 + 5 + 4 \times (16 \times 2) \\ &= \underline{10 \times 3} + 5 + 4 \times 32 \\ &= 30 + 5 + \underline{4 \times 32} \\ &= \underline{30 + 5} + 128 \\ &= \underline{35 + 128} \\ &= 163 \end{aligned}$$

$$\begin{aligned} & 7 \times 5 + 10 + 4 \times ((2 + 6) \times 3) \\ &= 7 \times 5 + 10 + 4 \times (8 \times 3) \\ &= \underline{7 \times 5} + 10 + 4 \times 24 \\ &= 35 + 10 + \underline{4 \times 24} \\ &= \underline{35 + 10} + 96 \\ &= \underline{45 + 96} \\ &= 141 \end{aligned}$$

$$\begin{aligned} & (6 + 4) \times 10 + 3 \times 2 \times (5 + 8) \\ &= 10 \times 10 + 3 \times 2 \times (5 + 8) \\ &= \underline{10 \times 10} + 3 \times 2 \times 13 \\ &= 100 + \underline{3 \times 2} \times 13 \\ &= 100 + \underline{6 \times 13} \\ &= \underline{100 + 78} \\ &= 178 \end{aligned}$$

$$\begin{aligned} & 3 \times 9 + 6 + 2 \times (4 \times (5 + 10)) \\ &= 3 \times 9 + 6 + 2 \times (4 \times 15) \\ &= \underline{3 \times 9} + 6 + 2 \times 60 \\ &= 27 + 6 + \underline{2 \times 60} \\ &= \underline{27 + 6} + 120 \\ &= \underline{33 + 120} \\ &= 153 \end{aligned}$$

$$\begin{aligned} & (3 \times (8 + 7)) \times 2 + 5 \times (9 + 10) \\ &= (3 \times 15) \times 2 + 5 \times (9 + 10) \\ &= 45 \times 2 + 5 \times (9 + 10) \\ &= \underline{45 \times 2} + 5 \times 19 \\ &= 90 + \underline{5 \times 19} \\ &= \underline{90 + 95} \\ &= 185 \end{aligned}$$