

## 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)

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

Simplify each expression using the correct order of operations.

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

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

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

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

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

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