

# Order of Operations (D)

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

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

Simplify each expression using the correct order of operations.

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

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

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

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

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

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

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

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

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Simplify each expression using the correct order of operations.

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

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

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

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

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

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

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

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