

Order of Operations (F)

Name: _____

Date: _____

Solve each expression using the correct order of operations.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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