

# Order of Operations (I)

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

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

Simplify each expression using the correct order of operations.

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

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

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

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

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

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

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

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

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

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

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Simplify each expression using the correct order of operations.

$$\begin{aligned}(10 + 2 \times 3) \times 5 + 9 \\ &= (10 + 6) \times 5 + 9 \\ &= 16 \times 5 + 9 \\ &= 80 + 9 \\ &= 89\end{aligned}$$

$$\begin{aligned}(3 + 4 \times 5 + 9) \times 2 \\ &= (3 + 20 + 9) \times 2 \\ &= (23 + 9) \times 2 \\ &= 32 \times 2 \\ &= 64\end{aligned}$$

$$\begin{aligned}3 \times (5 + 4 + 8 \times 2) \\ &= 3 \times (5 + 4 + 16) \\ &= 3 \times (9 + 16) \\ &= 3 \times 25 \\ &= 75\end{aligned}$$

$$\begin{aligned}(3 + 5) \times 9 + 2 \times 7 \\ &= 8 \times 9 + 2 \times 7 \\ &= 72 + 2 \times 7 \\ &= 72 + 14 \\ &= 86\end{aligned}$$

$$\begin{aligned}(3 \times 2 + 9 + 6) \times 4 \\ &= (6 + 9 + 6) \times 4 \\ &= (15 + 6) \times 4 \\ &= 21 \times 4 \\ &= 84\end{aligned}$$

$$\begin{aligned}2 \times (8 + 7 + 10 \times 3) \\ &= 2 \times (8 + 7 + 30) \\ &= 2 \times (15 + 30) \\ &= 2 \times 45 \\ &= 90\end{aligned}$$

$$\begin{aligned}(2 + 5) \times 8 + 3 \times 4 \\ &= 7 \times 8 + 3 \times 4 \\ &= 56 + 3 \times 4 \\ &= 56 + 12 \\ &= 68\end{aligned}$$

$$\begin{aligned}(8 \times 4 + 7 + 9) \times 2 \\ &= (32 + 7 + 9) \times 2 \\ &= (39 + 9) \times 2 \\ &= 48 \times 2 \\ &= 96\end{aligned}$$

$$\begin{aligned}8 + 3 \times (7 + 5 \times 2) \\ &= 8 + 3 \times (7 + 10) \\ &= 8 + 3 \times 17 \\ &= 8 + 51 \\ &= 59\end{aligned}$$

$$\begin{aligned}(5 + 2 \times 8) \times 3 + 4 \\ &= (5 + 16) \times 3 + 4 \\ &= 21 \times 3 + 4 \\ &= 63 + 4 \\ &= 67\end{aligned}$$