

# Order of Operations (D)

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

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

Simplify each expression using the correct order of operations.

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

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

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

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

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

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

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

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

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

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

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Simplify each expression using the correct order of operations.

$$\begin{aligned}4 + 3 \times (6 + 2 \times 5) \\&= 4 + 3 \times (6 + 10) \\&= 4 + 3 \times 16 \\&= 4 + 48 \\&= 52\end{aligned}$$

$$\begin{aligned}7 + 5 \times (4 \times 2 + 3) \\&= 7 + 5 \times (8 + 3) \\&= 7 + 5 \times 11 \\&= 7 + 55 \\&= 62\end{aligned}$$

$$\begin{aligned}4 \times 5 + 6 \times (2 + 9) \\&= 4 \times 5 + 6 \times 11 \\&= 20 + 6 \times 11 \\&= 20 + 66 \\&= 86\end{aligned}$$

$$\begin{aligned}2 \times (10 + 5 + 6 \times 3) \\&= 2 \times (10 + 5 + 18) \\&= 2 \times (15 + 18) \\&= 2 \times 33 \\&= 66\end{aligned}$$

$$\begin{aligned}(4 \times 9 + 8 + 3) \times 2 \\&= (36 + 8 + 3) \times 2 \\&= (44 + 3) \times 2 \\&= 47 \times 2 \\&= 94\end{aligned}$$

$$\begin{aligned}2 \times (7 + 9 + 5 \times 3) \\&= 2 \times (7 + 9 + 15) \\&= 2 \times (16 + 15) \\&= 2 \times 31 \\&= 62\end{aligned}$$

$$\begin{aligned}6 + 4 \times (9 + 2 \times 3) \\&= 6 + 4 \times (9 + 6) \\&= 6 + 4 \times 15 \\&= 6 + 60 \\&= 66\end{aligned}$$

$$\begin{aligned}5 \times (2 + 4) \times 3 + 9 \\&= 5 \times 6 \times 3 + 9 \\&= 30 \times 3 + 9 \\&= 90 + 9 \\&= 99\end{aligned}$$

$$\begin{aligned}(4 + 2) \times 9 + 8 \times 5 \\&= 6 \times 9 + 8 \times 5 \\&= 54 + 8 \times 5 \\&= 54 + 40 \\&= 94\end{aligned}$$

$$\begin{aligned}(4 \times 2 + 5) \times 6 + 3 \\&= (8 + 5) \times 6 + 3 \\&= 13 \times 6 + 3 \\&= 78 + 3 \\&= 81\end{aligned}$$