

# Order of Operations (G)

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

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

Simplify each expression using the correct order of operations.

$$10 + 5 \times (9 - 2 + 4)$$

$$(2 \times 4 - 5 + 3) \times 10$$

$$(2 + 5) \times 7 - 6 \times 8$$

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

$$10 \times (5 + 8 - 6 - 7)$$

$$(6 - 5 + 8) \times (9 - 7)$$

$$6 - 2 + 3 \times (7 - 4)$$

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

$$7 \times (8 - 3 + 5 - 6)$$

$$3 \times (6 + 4 - 5 + 9)$$

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Simplify each expression using the correct order of operations.

$$\begin{aligned}10 + 5 \times (9 - 2 + 4) \\&= 10 + 5 \times (7 + 4) \\&= 10 + 5 \times 11 \\&= 10 + 55 \\&= 65\end{aligned}$$

$$\begin{aligned}(2 \times 4 - 5 + 3) \times 10 \\&= (8 - 5 + 3) \times 10 \\&= (3 + 3) \times 10 \\&= 6 \times 10 \\&= 60\end{aligned}$$

$$\begin{aligned}(2 + 5) \times 7 - 6 \times 8 \\&= 7 \times 7 - 6 \times 8 \\&= 49 - 6 \times 8 \\&= 49 - 48 \\&= 1\end{aligned}$$

$$\begin{aligned}(7 - 4) \times 9 + 2 \times 6 \\&= 3 \times 9 + 2 \times 6 \\&= 27 + 2 \times 6 \\&= 27 + 12 \\&= 39\end{aligned}$$

$$\begin{aligned}10 \times (5 + 8 - 6 - 7) \\&= 10 \times (13 - 6 - 7) \\&= 10 \times (7 - 7) \\&= 10 \times 0 \\&= 0\end{aligned}$$

$$\begin{aligned}(6 - 5 + 8) \times (9 - 7) \\&= (1 + 8) \times (9 - 7) \\&= 9 \times (9 - 7) \\&= 9 \times 2 \\&= 18\end{aligned}$$

$$\begin{aligned}6 - 2 + 3 \times (7 - 4) \\&= 6 - 2 + 3 \times 3 \\&= 6 - 2 + 9 \\&= 4 + 9 \\&= 13\end{aligned}$$

$$\begin{aligned}2 \times (5 - 3 + 4 + 8) \\&= 2 \times (2 + 4 + 8) \\&= 2 \times (6 + 8) \\&= 2 \times 14 \\&= 28\end{aligned}$$

$$\begin{aligned}7 \times (8 - 3 + 5 - 6) \\&= 7 \times (5 + 5 - 6) \\&= 7 \times (10 - 6) \\&= 7 \times 4 \\&= 28\end{aligned}$$

$$\begin{aligned}3 \times (6 + 4 - 5 + 9) \\&= 3 \times (10 - 5 + 9) \\&= 3 \times (5 + 9) \\&= 3 \times 14 \\&= 42\end{aligned}$$