

# Order of Operations (E)

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

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

Simplify each expression using the correct order of operations.

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

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

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

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

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

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

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

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

$$2 \times (10 + 7 - 9 + 6)$$

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

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Simplify each expression using the correct order of operations.

$$\begin{aligned}(10 + 9 \times 4 - 5) \times 2 \\ &= (10 + 36 - 5) \times 2 \\ &= (46 - 5) \times 2 \\ &= 41 \times 2 \\ &= 82\end{aligned}$$

$$\begin{aligned}(4 - 2) \times 8 + 3 - 5 \\ &= 2 \times 8 + 3 - 5 \\ &= 16 + 3 - 5 \\ &= 19 - 5 \\ &= 14\end{aligned}$$

$$\begin{aligned}8 \times (7 + 6 - 9 - 2) \\ &= 8 \times (13 - 9 - 2) \\ &= 8 \times (4 - 2) \\ &= 8 \times 2 \\ &= 16\end{aligned}$$

$$\begin{aligned}(8 + 4) \times 2 - 7 + 9 \\ &= 12 \times 2 - 7 + 9 \\ &= 24 - 7 + 9 \\ &= 17 + 9 \\ &= 26\end{aligned}$$

$$\begin{aligned}(2 \times 6 + 3 - 4) \times 8 \\ &= (12 + 3 - 4) \times 8 \\ &= (15 - 4) \times 8 \\ &= 11 \times 8 \\ &= 88\end{aligned}$$

$$\begin{aligned}5 \times (3 + 4 - 2 + 9) \\ &= 5 \times (7 - 2 + 9) \\ &= 5 \times (5 + 9) \\ &= 5 \times 14 \\ &= 70\end{aligned}$$

$$\begin{aligned}3 + 5 \times (9 - 4 - 2) \\ &= 3 + 5 \times (5 - 2) \\ &= 3 + 5 \times 3 \\ &= 3 + 15 \\ &= 18\end{aligned}$$

$$\begin{aligned}10 \times (7 + 5 - 4 + 2) \\ &= 10 \times (12 - 4 + 2) \\ &= 10 \times (8 + 2) \\ &= 10 \times 10 \\ &= 100\end{aligned}$$

$$\begin{aligned}2 \times (10 + 7 - 9 + 6) \\ &= 2 \times (17 - 9 + 6) \\ &= 2 \times (8 + 6) \\ &= 2 \times 14 \\ &= 28\end{aligned}$$

$$\begin{aligned}(2 + 8) \times 5 - 3 - 9 \\ &= 10 \times 5 - 3 - 9 \\ &= 50 - 3 - 9 \\ &= 47 - 9 \\ &= 38\end{aligned}$$