

Order of Operations (B)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$9 \times 2 + 5 \times (6 + 8)$$

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

$$3 \times 7 + 6 \times (10 + 2)$$

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

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

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

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

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

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

$$(7 + 3 \times 9 + 6) \times 2$$

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$$\begin{aligned} &9 \times 2 + 5 \times (6 + 8) \\ &= 9 \times 2 + 5 \times 14 \\ &= 18 + 5 \times 14 \\ &= 18 + 70 \\ &= 88 \end{aligned}$$

$$\begin{aligned} &10 + 2 \times (5 + 4 \times 3) \\ &= 10 + 2 \times (5 + 12) \\ &= 10 + 2 \times 17 \\ &= 10 + 34 \\ &= 44 \end{aligned}$$

$$\begin{aligned} &3 \times 7 + 6 \times (10 + 2) \\ &= 3 \times 7 + 6 \times 12 \\ &= 21 + 6 \times 12 \\ &= 21 + 72 \\ &= 93 \end{aligned}$$

$$\begin{aligned} &(5 + 9 \times 2) \times 4 + 3 \\ &= (5 + 18) \times 4 + 3 \\ &= 23 \times 4 + 3 \\ &= 92 + 3 \\ &= 95 \end{aligned}$$

$$\begin{aligned} &3 \times (4 + 7 + 2 \times 10) \\ &= 3 \times (4 + 7 + 20) \\ &= 3 \times (11 + 20) \\ &= 3 \times 31 \\ &= 93 \end{aligned}$$

$$\begin{aligned} &(10 \times 2 + 3) \times 4 + 8 \\ &= (20 + 3) \times 4 + 8 \\ &= 23 \times 4 + 8 \\ &= 92 + 8 \\ &= 100 \end{aligned}$$

$$\begin{aligned} &(9 + 2) \times 5 + 4 \times 6 \\ &= 11 \times 5 + 4 \times 6 \\ &= 55 + 4 \times 6 \\ &= 55 + 24 \\ &= 79 \end{aligned}$$

$$\begin{aligned} &2 \times (5 + 4 + 10 \times 3) \\ &= 2 \times (5 + 4 + 30) \\ &= 2 \times (9 + 30) \\ &= 2 \times 39 \\ &= 78 \end{aligned}$$

$$\begin{aligned} &(2 + 5) \times 3 + 4 \times 6 \\ &= 7 \times 3 + 4 \times 6 \\ &= 21 + 4 \times 6 \\ &= 21 + 24 \\ &= 45 \end{aligned}$$

$$\begin{aligned} &(7 + 3 \times 9 + 6) \times 2 \\ &= (7 + 27 + 6) \times 2 \\ &= (34 + 6) \times 2 \\ &= 40 \times 2 \\ &= 80 \end{aligned}$$