

Order of Operations (J)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$((6 + 7) \times (10 - 8 + 4 - 3)) \times 2$$

$$(2 \times (5 + 6 - 4 + 8 - 7)) \times 3$$

$$8 + 5 - 9 \times (6 \times (4 + 3 - 7))$$

$$(9 - 7 + 2) \times (10 + 4 - 6) \times 3$$

$$(2 + 8) \times (9 - 4 - 5) \times (6 + 10)$$

$$(2 + 10) \times ((9 - 7 + 3 - 5) \times 8)$$

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Simplify each expression using the correct order of operations.

$$\begin{aligned} & ((6 + 7) \times (10 - 8 + 4 - 3)) \times 2 \\ & = (13 \times (10 - 8 + 4 - 3)) \times 2 \\ & = (13 \times (2 + 4 - 3)) \times 2 \\ & = (13 \times (6 - 3)) \times 2 \\ & = (13 \times 3) \times 2 \\ & = 39 \times 2 \\ & = 78 \end{aligned}$$

$$\begin{aligned} & (2 \times (5 + 6 - 4 + 8 - 7)) \times 3 \\ & = (2 \times (11 - 4 + 8 - 7)) \times 3 \\ & = (2 \times (7 + 8 - 7)) \times 3 \\ & = (2 \times (15 - 7)) \times 3 \\ & = (2 \times 8) \times 3 \\ & = 16 \times 3 \\ & = 48 \end{aligned}$$

$$\begin{aligned} & 8 + 5 - 9 \times (6 \times (4 + 3 - 7)) \\ & = 8 + 5 - 9 \times (6 \times (7 - 7)) \\ & = 8 + 5 - 9 \times (6 \times 0) \\ & = 8 + 5 - 9 \times 0 \\ & = 8 + 5 - 0 \\ & = 13 - 0 \\ & = 13 \end{aligned}$$

$$\begin{aligned} & (9 - 7 + 2) \times (10 + 4 - 6) \times 3 \\ & = (2 + 2) \times (10 + 4 - 6) \times 3 \\ & = 4 \times (10 + 4 - 6) \times 3 \\ & = 4 \times (14 - 6) \times 3 \\ & = 4 \times 8 \times 3 \\ & = 32 \times 3 \\ & = 96 \end{aligned}$$

$$\begin{aligned} & (2 + 8) \times (9 - 4 - 5) \times (6 + 10) \\ & = 10 \times (9 - 4 - 5) \times (6 + 10) \\ & = 10 \times (5 - 5) \times (6 + 10) \\ & = 10 \times 0 \times (6 + 10) \\ & = 10 \times 0 \times 16 \\ & = 0 \times 16 \\ & = 0 \end{aligned}$$

$$\begin{aligned} & (2 + 10) \times ((9 - 7 + 3 - 5) \times 8) \\ & = 12 \times ((9 - 7 + 3 - 5) \times 8) \\ & = 12 \times ((2 + 3 - 5) \times 8) \\ & = 12 \times ((5 - 5) \times 8) \\ & = 12 \times (0 \times 8) \\ & = 12 \times 0 \\ & = 0 \end{aligned}$$