

Order of Operations (F)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$(8 - 5 + 6) \times (10 - 9 + 3)$$

$$5 \times (10 - 9 + 8 + 7 - 4)$$

$$(6 + 8) \times (5 - 3) \times (10 - 9)$$

$$8 \times (10 + 3 - 4 - 5 + 7)$$

$$5 \times ((2 + 6 - 7) \times (10 + 8))$$

$$(9 - 4 + 3) \times (5 + 2 - 6)$$

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

$$2 \times (5 + 8 - 7 - 6 + 9)$$

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Simplify each expression using the correct order of operations.

$$\begin{aligned} & (8 - 5 + 6) \times (10 - 9 + 3) \\ & = (3 + 6) \times (10 - 9 + 3) \\ & = 9 \times (10 - 9 + 3) \\ & = 9 \times (1 + 3) \\ & = 9 \times 4 \\ & = 36 \end{aligned}$$

$$\begin{aligned} & 5 \times (10 - 9 + 8 + 7 - 4) \\ & = 5 \times (1 + 8 + 7 - 4) \\ & = 5 \times (9 + 7 - 4) \\ & = 5 \times (16 - 4) \\ & = 5 \times 12 \\ & = 60 \end{aligned}$$

$$\begin{aligned} & (6 + 8) \times (5 - 3) \times (10 - 9) \\ & = 14 \times (5 - 3) \times (10 - 9) \\ & = 14 \times 2 \times (10 - 9) \\ & = 14 \times 2 \times 1 \\ & = 28 \times 1 \\ & = 28 \end{aligned}$$

$$\begin{aligned} & 8 \times (10 + 3 - 4 - 5 + 7) \\ & = 8 \times (13 - 4 - 5 + 7) \\ & = 8 \times (9 - 5 + 7) \\ & = 8 \times (4 + 7) \\ & = 8 \times 11 \\ & = 88 \end{aligned}$$

$$\begin{aligned} & 5 \times ((2 + 6 - 7) \times (10 + 8)) \\ & = 5 \times ((8 - 7) \times (10 + 8)) \\ & = 5 \times (1 \times (10 + 8)) \\ & = 5 \times (1 \times 18) \\ & = 5 \times 18 \\ & = 90 \end{aligned}$$

$$\begin{aligned} & (9 - 4 + 3) \times (5 + 2 - 6) \\ & = (5 + 3) \times (5 + 2 - 6) \\ & = 8 \times (5 + 2 - 6) \\ & = 8 \times (7 - 6) \\ & = 8 \times 1 \\ & = 8 \end{aligned}$$

$$\begin{aligned} & 4 + 9 \times 7 - 10 \times (3 + 2) \\ & = 4 + 9 \times 7 - 10 \times 5 \\ & = 4 + 63 - 10 \times 5 \\ & = 4 + 63 - 50 \\ & = 67 - 50 \\ & = 17 \end{aligned}$$

$$\begin{aligned} & 2 \times (5 + 8 - 7 - 6 + 9) \\ & = 2 \times (13 - 7 - 6 + 9) \\ & = 2 \times (6 - 6 + 9) \\ & = 2 \times (0 + 9) \\ & = 2 \times 9 \\ & = 18 \end{aligned}$$