

Order of Operations (C)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$(10 + 7) \times 5 - 9 - 4 + 3$$

$$(6 - 4) \times 9 + 7 - 2 \times 5$$

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

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

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

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

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

$$2 \times (6 + 9 - 4 + 5 - 7)$$

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$$\begin{aligned} & (10 + 7) \times 5 - 9 - 4 + 3 \\ & = 17 \times 5 - 9 - 4 + 3 \\ & = 85 - 9 - 4 + 3 \\ & = 76 - 4 + 3 \\ & = 72 + 3 \\ & = 75 \end{aligned}$$

$$\begin{aligned} & (6 - 4) \times 9 + 7 - 2 \times 5 \\ & = 2 \times 9 + 7 - 2 \times 5 \\ & = 18 + 7 - 2 \times 5 \\ & = 18 + 7 - 10 \\ & = 25 - 10 \\ & = 15 \end{aligned}$$

$$\begin{aligned} & 10 \times (8 - 6 + 3 + 4 - 2) \\ & = 10 \times (2 + 3 + 4 - 2) \\ & = 10 \times (5 + 4 - 2) \\ & = 10 \times (9 - 2) \\ & = 10 \times 7 \\ & = 70 \end{aligned}$$

$$\begin{aligned} & 6 \times (9 + 8 - 2 + 5 - 10) \\ & = 6 \times (17 - 2 + 5 - 10) \\ & = 6 \times (15 + 5 - 10) \\ & = 6 \times (20 - 10) \\ & = 6 \times 10 \\ & = 60 \end{aligned}$$

$$\begin{aligned} & (7 - 3) \times 10 + 4 + 8 \times 2 \\ & = 4 \times 10 + 4 + 8 \times 2 \\ & = 40 + 4 + 8 \times 2 \\ & = 40 + 4 + 16 \\ & = 44 + 16 \\ & = 60 \end{aligned}$$

$$\begin{aligned} & (10 + 2 - 6) \times (4 \times (8 - 5)) \\ & = (12 - 6) \times (4 \times (8 - 5)) \\ & = 6 \times (4 \times (8 - 5)) \\ & = 6 \times (4 \times 3) \\ & = 6 \times 12 \\ & = 72 \end{aligned}$$

$$\begin{aligned} & (5 - 3) \times (8 + 4 + 2 - 7) \\ & = 2 \times (8 + 4 + 2 - 7) \\ & = 2 \times (12 + 2 - 7) \\ & = 2 \times (14 - 7) \\ & = 2 \times 7 \\ & = 14 \end{aligned}$$

$$\begin{aligned} & 2 \times (6 + 9 - 4 + 5 - 7) \\ & = 2 \times (15 - 4 + 5 - 7) \\ & = 2 \times (11 + 5 - 7) \\ & = 2 \times (16 - 7) \\ & = 2 \times 9 \\ & = 18 \end{aligned}$$