

Order of Operations (A)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

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

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

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

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

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

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

$$8 \times (6 + 9 - 4 + 2 - 3)$$

$$(7 + 5 - 6) \times (10 + 2 - 4)$$

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$$\begin{aligned} &4 \times (8 - 5 + 7 - 6 + 3) \\ &= 4 \times (3 + 7 - 6 + 3) \\ &= 4 \times (10 - 6 + 3) \\ &= 4 \times (4 + 3) \\ &= 4 \times 7 \\ &= 28 \end{aligned}$$

$$\begin{aligned} &(4 + 3) \times 9 - 2 - 5 \times 6 \\ &= 7 \times 9 - 2 - 5 \times 6 \\ &= 63 - 2 - 5 \times 6 \\ &= 63 - 2 - 30 \\ &= 61 - 30 \\ &= 31 \end{aligned}$$

$$\begin{aligned} &5 + 8 - 6 \times (2 + 3 - 4) \\ &= 5 + 8 - 6 \times (5 - 4) \\ &= 5 + 8 - 6 \times 1 \\ &= 5 + 8 - 6 \\ &= 13 - 6 \\ &= 7 \end{aligned}$$

$$\begin{aligned} &4 - 3 + 5 \times (6 + 9 - 7) \\ &= 4 - 3 + 5 \times (15 - 7) \\ &= 4 - 3 + 5 \times 8 \\ &= 4 - 3 + 40 \\ &= 1 + 40 \\ &= 41 \end{aligned}$$

$$\begin{aligned} &(2 + 7) \times 6 - 3 - 8 \times 4 \\ &= 9 \times 6 - 3 - 8 \times 4 \\ &= 54 - 3 - 8 \times 4 \\ &= 54 - 3 - 32 \\ &= 51 - 32 \\ &= 19 \end{aligned}$$

$$\begin{aligned} &(5 + 9 - 10) \times 6 + 4 - 2 \\ &= (14 - 10) \times 6 + 4 - 2 \\ &= 4 \times 6 + 4 - 2 \\ &= 24 + 4 - 2 \\ &= 28 - 2 \\ &= 26 \end{aligned}$$

$$\begin{aligned} &8 \times (6 + 9 - 4 + 2 - 3) \\ &= 8 \times (15 - 4 + 2 - 3) \\ &= 8 \times (11 + 2 - 3) \\ &= 8 \times (13 - 3) \\ &= 8 \times 10 \\ &= 80 \end{aligned}$$

$$\begin{aligned} &(7 + 5 - 6) \times (10 + 2 - 4) \\ &= (12 - 6) \times (10 + 2 - 4) \\ &= 6 \times (10 + 2 - 4) \\ &= 6 \times (12 - 4) \\ &= 6 \times 8 \\ &= 48 \end{aligned}$$