

Order of Operations (A)

Name: _____

Date: _____

Solve each expression using the correct order of operations.

$$2 \times (6 + 7 - 3 + 4) \times (9 - 8)$$

$$(6 - 4) \times (9 + 5 - 7) \times (3 + 2)$$

$$6 - 3 + 5 \times (8 + 4) \times (10 - 9)$$

$$6 - 3 + 9 \times (4 \times (8 + 2 - 10))$$

$$(8 + 7 - 10) \times (9 - 3 + 4) \times 2$$

$$(10 - 9) \times (8 + 7 + 3 - 2) \times 6$$

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$$\begin{aligned} & 2 \times (6 + 7 - 3 + 4) \times (9 - 8) \\ &= 2 \times (13 - 3 + 4) \times (9 - 8) \\ &= 2 \times (10 + 4) \times (9 - 8) \\ &= 2 \times 14 \times (9 - 8) \\ &= 2 \times 14 \times 1 \\ &= 28 \times 1 \\ &= 28 \end{aligned}$$

$$\begin{aligned} & (6 - 4) \times (9 + 5 - 7) \times (3 + 2) \\ &= 2 \times (9 + 5 - 7) \times (3 + 2) \\ &= 2 \times (14 - 7) \times (3 + 2) \\ &= 2 \times 7 \times (3 + 2) \\ &= 2 \times 7 \times 5 \\ &= 14 \times 5 \\ &= 70 \end{aligned}$$

$$\begin{aligned} & 6 - 3 + 5 \times (8 + 4) \times (10 - 9) \\ &= 6 - 3 + 5 \times 12 \times (10 - 9) \\ &= 6 - 3 + 5 \times 12 \times 1 \\ &= 6 - 3 + 60 \times 1 \\ &= 6 - 3 + 60 \\ &= 3 + 60 \\ &= 63 \end{aligned}$$

$$\begin{aligned} & 6 - 3 + 9 \times (4 \times (8 + 2 - 10)) \\ &= 6 - 3 + 9 \times (4 \times (10 - 10)) \\ &= 6 - 3 + 9 \times (4 \times 0) \\ &= 6 - 3 + 9 \times 0 \\ &= 6 - 3 + 0 \\ &= 3 + 0 \\ &= 3 \end{aligned}$$

$$\begin{aligned} & (8 + 7 - 10) \times (9 - 3 + 4) \times 2 \\ &= (15 - 10) \times (9 - 3 + 4) \times 2 \\ &= 5 \times (9 - 3 + 4) \times 2 \\ &= 5 \times (6 + 4) \times 2 \\ &= 5 \times 10 \times 2 \\ &= 50 \times 2 \\ &= 100 \end{aligned}$$

$$\begin{aligned} & (10 - 9) \times (8 + 7 + 3 - 2) \times 6 \\ &= 1 \times (8 + 7 + 3 - 2) \times 6 \\ &= 1 \times (15 + 3 - 2) \times 6 \\ &= 1 \times (18 - 2) \times 6 \\ &= 1 \times 16 \times 6 \\ &= 16 \times 6 \\ &= 96 \end{aligned}$$