

Order of Operations (B)

Name: _____

Date: _____

Solve each expression using the correct order of operations.

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

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

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

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

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

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

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

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

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$$\begin{aligned} & (9 + 8) \times 4 + 5 \times (6 + 2) \\ &= 17 \times 4 + 5 \times (6 + 2) \\ &= 17 \times 4 + 5 \times 8 \\ &= 68 + 5 \times 8 \\ &= 68 + 40 \\ &= 108 \end{aligned}$$

$$\begin{aligned} & (10 + 8) \times 4 + 3 \times (7 + 5) \\ &= 18 \times 4 + 3 \times (7 + 5) \\ &= 18 \times 4 + 3 \times 12 \\ &= 72 + 3 \times 12 \\ &= 72 + 36 \\ &= 108 \end{aligned}$$

$$\begin{aligned} & (5 \times (4 + 9)) \times 2 + 3 + 6 \\ &= (5 \times 13) \times 2 + 3 + 6 \\ &= 65 \times 2 + 3 + 6 \\ &= 130 + 3 + 6 \\ &= 133 + 6 \\ &= 139 \end{aligned}$$

$$\begin{aligned} & (9 + 5) \times 4 + 7 \times (6 \times 2) \\ &= 14 \times 4 + 7 \times (6 \times 2) \\ &= 14 \times 4 + 7 \times 12 \\ &= 56 + 7 \times 12 \\ &= 56 + 84 \\ &= 140 \end{aligned}$$

$$\begin{aligned} & (9 + 2) \times 6 + 7 \times (4 + 5) \\ &= 11 \times 6 + 7 \times (4 + 5) \\ &= 11 \times 6 + 7 \times 9 \\ &= 66 + 7 \times 9 \\ &= 66 + 63 \\ &= 129 \end{aligned}$$

$$\begin{aligned} & (5 + 6) \times 9 + 2 \times (4 + 7) \\ &= 11 \times 9 + 2 \times (4 + 7) \\ &= 11 \times 9 + 2 \times 11 \\ &= 99 + 2 \times 11 \\ &= 99 + 22 \\ &= 121 \end{aligned}$$

$$\begin{aligned} & (3 + 2) \times 5 + 7 \times (9 + 6) \\ &= 5 \times 5 + 7 \times (9 + 6) \\ &= 5 \times 5 + 7 \times 15 \\ &= 25 + 7 \times 15 \\ &= 25 + 105 \\ &= 130 \end{aligned}$$

$$\begin{aligned} & (7 + 4) \times 8 + 6 \times (5 + 2) \\ &= 11 \times 8 + 6 \times (5 + 2) \\ &= 11 \times 8 + 6 \times 7 \\ &= 88 + 6 \times 7 \\ &= 88 + 42 \\ &= 130 \end{aligned}$$