

Order of Operations (C)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$(10 + 6) \times 3 + 2 \times (5 \times 8)$$

$$((7 + 8) \times 2) \times 4 + 9 + 5$$

$$(10 + 3) \times 5 + 4 \times (8 \times 2)$$

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

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

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

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

$$(7 + 10) \times 4 + 3 \times (5 \times 2)$$

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$$\begin{aligned} & (10 + 6) \times 3 + 2 \times (5 \times 8) \\ & = 16 \times 3 + 2 \times (5 \times 8) \\ & = 16 \times 3 + 2 \times 40 \\ & = 48 + 2 \times 40 \\ & = 48 + 80 \\ & = 128 \end{aligned}$$

$$\begin{aligned} & ((7 + 8) \times 2) \times 4 + 9 + 5 \\ & = (15 \times 2) \times 4 + 9 + 5 \\ & = 30 \times 4 + 9 + 5 \\ & = 120 + 9 + 5 \\ & = 129 + 5 \\ & = 134 \end{aligned}$$

$$\begin{aligned} & (10 + 3) \times 5 + 4 \times (8 \times 2) \\ & = 13 \times 5 + 4 \times (8 \times 2) \\ & = 13 \times 5 + 4 \times 16 \\ & = 65 + 4 \times 16 \\ & = 65 + 64 \\ & = 129 \end{aligned}$$

$$\begin{aligned} & (6 + 10) \times 3 + 7 \times (2 + 8) \\ & = 16 \times 3 + 7 \times (2 + 8) \\ & = 16 \times 3 + 7 \times 10 \\ & = 48 + 7 \times 10 \\ & = 48 + 70 \\ & = 118 \end{aligned}$$

$$\begin{aligned} & ((4 + 7) \times 6) \times 2 + 5 + 8 \\ & = (11 \times 6) \times 2 + 5 + 8 \\ & = 66 \times 2 + 5 + 8 \\ & = 132 + 5 + 8 \\ & = 137 + 8 \\ & = 145 \end{aligned}$$

$$\begin{aligned} & (2 \times (7 + 4)) \times 3 + 5 \times 8 \\ & = (2 \times 11) \times 3 + 5 \times 8 \\ & = 22 \times 3 + 5 \times 8 \\ & = 66 + 5 \times 8 \\ & = 66 + 40 \\ & = 106 \end{aligned}$$

$$\begin{aligned} & (6 + 3) \times 5 + 4 \times (7 + 9) \\ & = 9 \times 5 + 4 \times (7 + 9) \\ & = 9 \times 5 + 4 \times 16 \\ & = 45 + 4 \times 16 \\ & = 45 + 64 \\ & = 109 \end{aligned}$$

$$\begin{aligned} & (7 + 10) \times 4 + 3 \times (5 \times 2) \\ & = 17 \times 4 + 3 \times (5 \times 2) \\ & = 17 \times 4 + 3 \times 10 \\ & = 68 + 3 \times 10 \\ & = 68 + 30 \\ & = 98 \end{aligned}$$