

Order of Operations (C)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

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

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

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

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

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

$$2 \times (9 + 7 \times 3 + 10)$$

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

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

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

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

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Simplify each expression using the correct order of operations.

$$\begin{aligned} & (4 \times 6 + 7) \times 3 + 2 \\ & = (24 + 7) \times 3 + 2 \\ & = 31 \times 3 + 2 \\ & = 93 + 2 \\ & = 95 \end{aligned}$$

$$\begin{aligned} & (8 + 3 \times 2 + 7) \times 4 \\ & = (8 + 6 + 7) \times 4 \\ & = (14 + 7) \times 4 \\ & = 21 \times 4 \\ & = 84 \end{aligned}$$

$$\begin{aligned} & (3 + 10) \times 5 + 8 \times 4 \\ & = 13 \times 5 + 8 \times 4 \\ & = 65 + 8 \times 4 \\ & = 65 + 32 \\ & = 97 \end{aligned}$$

$$\begin{aligned} & 2 \times (6 + 7 + 3 \times 4) \\ & = 2 \times (6 + 7 + 12) \\ & = 2 \times (13 + 12) \\ & = 2 \times 25 \\ & = 50 \end{aligned}$$

$$\begin{aligned} & 9 + 4 \times (2 \times 8 + 5) \\ & = 9 + 4 \times (16 + 5) \\ & = 9 + 4 \times 21 \\ & = 9 + 84 \\ & = 93 \end{aligned}$$

$$\begin{aligned} & 2 \times (9 + 7 \times 3 + 10) \\ & = 2 \times (9 + 21 + 10) \\ & = 2 \times (30 + 10) \\ & = 2 \times 40 \\ & = 80 \end{aligned}$$

$$\begin{aligned} & (3 \times 5 + 7) \times 4 + 2 \\ & = (15 + 7) \times 4 + 2 \\ & = 22 \times 4 + 2 \\ & = 88 + 2 \\ & = 90 \end{aligned}$$

$$\begin{aligned} & 7 + 3 \times (8 + 2 \times 6) \\ & = 7 + 3 \times (8 + 12) \\ & = 7 + 3 \times 20 \\ & = 7 + 60 \\ & = 67 \end{aligned}$$

$$\begin{aligned} & 2 \times (7 + 3 \times 8 + 4) \\ & = 2 \times (7 + 24 + 4) \\ & = 2 \times (31 + 4) \\ & = 2 \times 35 \\ & = 70 \end{aligned}$$

$$\begin{aligned} & (4 \times 8 + 3) \times 2 + 5 \\ & = (32 + 3) \times 2 + 5 \\ & = 35 \times 2 + 5 \\ & = 70 + 5 \\ & = 75 \end{aligned}$$