

Order of Operations (I)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

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

$$(3 + 2) \times 9 + 7 \times (5 + 10)$$

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

$$(5 + 9) \times 3 + 6 \times (8 + 7)$$

$$(2 \times (4 + 3)) \times 5 + 6 + 10$$

$$(8 + 6) \times 7 + 2 \times (4 + 10)$$

$$(3 \times (4 + 2)) \times 5 + 9 + 8$$

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

Order of Operations (I)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$\begin{aligned} & (4 + 8) \times 2 + 7 \times (5 + 3) \\ & = 12 \times 2 + 7 \times (5 + 3) \\ & = \underline{12 \times 2} + 7 \times 8 \\ & = 24 + \underline{7 \times 8} \\ & = \underline{24 + 56} \\ & = 80 \end{aligned}$$

$$\begin{aligned} & (3 + 2) \times 9 + 7 \times (5 + 10) \\ & = 5 \times 9 + 7 \times (5 + 10) \\ & = \underline{5 \times 9} + 7 \times 15 \\ & = 45 + \underline{7 \times 15} \\ & = \underline{45 + 105} \\ & = 150 \end{aligned}$$

$$\begin{aligned} & (8 + 9) \times 2 + 6 \times (3 + 4) \\ & = 17 \times 2 + 6 \times (3 + 4) \\ & = \underline{17 \times 2} + 6 \times 7 \\ & = 34 + \underline{6 \times 7} \\ & = \underline{34 + 42} \\ & = 76 \end{aligned}$$

$$\begin{aligned} & (5 + 9) \times 3 + 6 \times (8 + 7) \\ & = 14 \times 3 + 6 \times (8 + 7) \\ & = \underline{14 \times 3} + 6 \times 15 \\ & = 42 + \underline{6 \times 15} \\ & = \underline{42 + 90} \\ & = 132 \end{aligned}$$

$$\begin{aligned} & (2 \times (4 + 3)) \times 5 + 6 + 10 \\ & = (2 \times 7) \times 5 + 6 + 10 \\ & = \underline{14 \times 5} + 6 + 10 \\ & = \underline{70 + 6} + 10 \\ & = \underline{76 + 10} \\ & = 86 \end{aligned}$$

$$\begin{aligned} & (8 + 6) \times 7 + 2 \times (4 + 10) \\ & = 14 \times 7 + 2 \times (4 + 10) \\ & = \underline{14 \times 7} + 2 \times 14 \\ & = 98 + \underline{2 \times 14} \\ & = \underline{98 + 28} \\ & = 126 \end{aligned}$$

$$\begin{aligned} & (3 \times (4 + 2)) \times 5 + 9 + 8 \\ & = (3 \times 6) \times 5 + 9 + 8 \\ & = \underline{18 \times 5} + 9 + 8 \\ & = \underline{90 + 9} + 8 \\ & = \underline{99 + 8} \\ & = 107 \end{aligned}$$

$$\begin{aligned} & (6 + 5) \times 2 + 8 \times (4 + 7) \\ & = 11 \times 2 + 8 \times (4 + 7) \\ & = \underline{11 \times 2} + 8 \times 11 \\ & = 22 + \underline{8 \times 11} \\ & = \underline{22 + 88} \\ & = 110 \end{aligned}$$