

Order of Operations (F)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

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

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

$$4 \times 6 + 3 \times (7 + 10)$$

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

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

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

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

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

$$(4 + 2) \times 3 + 7 \times 9$$

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

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Simplify each expression using the correct order of operations.

$$\begin{aligned} & (9 + 6) \times 4 + 3 \times 2 \\ & = 15 \times 4 + 3 \times 2 \\ & = 60 + 3 \times 2 \\ & = 60 + 6 \\ & = 66 \end{aligned}$$

$$\begin{aligned} & (2 + 9) \times 4 + 6 \times 8 \\ & = 11 \times 4 + 6 \times 8 \\ & = 44 + 6 \times 8 \\ & = 44 + 48 \\ & = 92 \end{aligned}$$

$$\begin{aligned} & 4 \times 6 + 3 \times (7 + 10) \\ & = 4 \times 6 + 3 \times 17 \\ & = 24 + 3 \times 17 \\ & = 24 + 51 \\ & = 75 \end{aligned}$$

$$\begin{aligned} & (5 + 7 \times 2) \times 4 + 3 \\ & = (5 + 14) \times 4 + 3 \\ & = 19 \times 4 + 3 \\ & = 76 + 3 \\ & = 79 \end{aligned}$$

$$\begin{aligned} & 3 \times (4 + 2 \times 6 + 10) \\ & = 3 \times (4 + 12 + 10) \\ & = 3 \times (16 + 10) \\ & = 3 \times 26 \\ & = 78 \end{aligned}$$

$$\begin{aligned} & 4 + 5 \times (3 + 6 \times 2) \\ & = 4 + 5 \times (3 + 12) \\ & = 4 + 5 \times 15 \\ & = 4 + 75 \\ & = 79 \end{aligned}$$

$$\begin{aligned} & (6 + 8) \times 2 + 9 \times 5 \\ & = 14 \times 2 + 9 \times 5 \\ & = 28 + 9 \times 5 \\ & = 28 + 45 \\ & = 73 \end{aligned}$$

$$\begin{aligned} & 3 \times 4 + 6 \times (9 + 5) \\ & = 3 \times 4 + 6 \times 14 \\ & = 12 + 6 \times 14 \\ & = 12 + 84 \\ & = 96 \end{aligned}$$

$$\begin{aligned} & (4 + 2) \times 3 + 7 \times 9 \\ & = 6 \times 3 + 7 \times 9 \\ & = 18 + 7 \times 9 \\ & = 18 + 63 \\ & = 81 \end{aligned}$$

$$\begin{aligned} & 7 + 5 \times (3 \times 4 + 2) \\ & = 7 + 5 \times (12 + 2) \\ & = 7 + 5 \times 14 \\ & = 7 + 70 \\ & = 77 \end{aligned}$$