

# Order of Operations (J)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Solve each expression using the correct order of operations.

$$(6 + 8) \times 3 + 10 \times (4 + 2)$$

$$(2 \times (7 + 10)) \times 4 + 3 + 9$$

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

$$3 \times 6 + 2 \times ((4 + 5) \times 7)$$

$$(2 \times (8 + 7)) \times 3 + 9 + 10$$

$$(6 + 7) \times 4 + 5 \times (10 + 8)$$

$$(9 + 8) \times 6 + 2 \times (7 + 5)$$

$$(10 + 6) \times 7 + 2 \times (9 + 8)$$

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Solve each expression using the correct order of operations.

$$\begin{aligned} & (6 + 8) \times 3 + 10 \times (4 + 2) \\ & = 14 \times 3 + 10 \times (4 + 2) \\ & = \underline{14 \times 3} + 10 \times 6 \\ & = 42 + \underline{10 \times 6} \\ & = \underline{42 + 60} \\ & = 102 \end{aligned}$$

$$\begin{aligned} & (2 \times (7 + 10)) \times 4 + 3 + 9 \\ & = (2 \times 17) \times 4 + 3 + 9 \\ & = \underline{34 \times 4} + 3 + 9 \\ & = \underline{136 + 3} + 9 \\ & = \underline{139 + 9} \\ & = 148 \end{aligned}$$

$$\begin{aligned} & 5 \times 4 + 3 \times ((8 + 9) \times 2) \\ & = 5 \times 4 + 3 \times (17 \times 2) \\ & = \underline{5 \times 4} + 3 \times 34 \\ & = 20 + \underline{3 \times 34} \\ & = \underline{20 + 102} \\ & = 122 \end{aligned}$$

$$\begin{aligned} & 3 \times 6 + 2 \times ((4 + 5) \times 7) \\ & = 3 \times 6 + 2 \times (9 \times 7) \\ & = \underline{3 \times 6} + 2 \times 63 \\ & = 18 + \underline{2 \times 63} \\ & = \underline{18 + 126} \\ & = 144 \end{aligned}$$

$$\begin{aligned} & (2 \times (8 + 7)) \times 3 + 9 + 10 \\ & = (2 \times 15) \times 3 + 9 + 10 \\ & = \underline{30 \times 3} + 9 + 10 \\ & = \underline{90 + 9} + 10 \\ & = \underline{99 + 10} \\ & = 109 \end{aligned}$$

$$\begin{aligned} & (6 + 7) \times 4 + 5 \times (10 + 8) \\ & = 13 \times 4 + 5 \times (10 + 8) \\ & = \underline{13 \times 4} + 5 \times 18 \\ & = 52 + \underline{5 \times 18} \\ & = \underline{52 + 90} \\ & = 142 \end{aligned}$$

$$\begin{aligned} & (9 + 8) \times 6 + 2 \times (7 + 5) \\ & = 17 \times 6 + 2 \times (7 + 5) \\ & = \underline{17 \times 6} + 2 \times 12 \\ & = 102 + \underline{2 \times 12} \\ & = \underline{102 + 24} \\ & = 126 \end{aligned}$$

$$\begin{aligned} & (10 + 6) \times 7 + 2 \times (9 + 8) \\ & = 16 \times 7 + 2 \times (9 + 8) \\ & = \underline{16 \times 7} + 2 \times 17 \\ & = 112 + \underline{2 \times 17} \\ & = \underline{112 + 34} \\ & = 146 \end{aligned}$$