

# Order of Operations (C)

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

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

Simplify each expression using the correct order of operations.

$$8 \times ((6 - 4 + 5 + 3 - 10) \times 9)$$

$$(10 - 8) \times ((9 + 7 + 5 - 6) \times 2)$$

$$(10 + 2) \times 5 - 6 + 7 \times (4 - 3)$$

$$((6 - 5) \times (2 + 4)) \times 3 + 8 - 9$$

$$7 \times ((4 + 5 - 9) \times (10 - 8 + 3))$$

$$(10 - 6 + 8) \times ((4 + 3 - 7) \times 9)$$

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Simplify each expression using the correct order of operations.

$$\begin{aligned} & 8 \times ((\underline{6 - 4} + 5 + 3 - 10) \times 9) && (\underline{10 - 8}) \times ((9 + 7 + 5 - 6) \times 2) \\ & = 8 \times ((\underline{2 + 5} + 3 - 10) \times 9) && = 2 \times ((\underline{9 + 7} + 5 - 6) \times 2) \\ & = 8 \times ((\underline{7 + 3} - 10) \times 9) && = 2 \times ((\underline{16 + 5} - 6) \times 2) \\ & = 8 \times ((\underline{10 - 10}) \times 9) && = 2 \times ((\underline{21 - 6}) \times 2) \\ & = 8 \times (\underline{0 \times 9}) && = 2 \times (\underline{15 \times 2}) \\ & = \underline{8 \times 0} && = \underline{2 \times 30} \\ & = 0 && = 60 \end{aligned}$$

$$\begin{aligned} & (\underline{10 + 2}) \times 5 - 6 + 7 \times (4 - 3) && ((\underline{6 - 5}) \times (2 + 4)) \times 3 + 8 - 9 \\ & = 12 \times 5 - 6 + 7 \times (\underline{4 - 3}) && = (1 \times (\underline{2 + 4})) \times 3 + 8 - 9 \\ & = \underline{12 \times 5} - 6 + 7 \times 1 && = (\underline{1 \times 6}) \times 3 + 8 - 9 \\ & = 60 - 6 + \underline{7 \times 1} && = \underline{6 \times 3} + 8 - 9 \\ & = \underline{60 - 6} + 7 && = \underline{18 + 8} - 9 \\ & = \underline{54 + 7} && = \underline{26 - 9} \\ & = 61 && = 17 \end{aligned}$$

$$\begin{aligned} & 7 \times ((\underline{4 + 5} - 9) \times (10 - 8 + 3)) && (\underline{10 - 6} + 8) \times ((4 + 3 - 7) \times 9) \\ & = 7 \times ((\underline{9 - 9}) \times (10 - 8 + 3)) && = (\underline{4 + 8}) \times ((4 + 3 - 7) \times 9) \\ & = 7 \times (0 \times (\underline{10 - 8} + 3)) && = 12 \times ((\underline{4 + 3} - 7) \times 9) \\ & = 7 \times (0 \times (\underline{2 + 3})) && = 12 \times ((\underline{7 - 7}) \times 9) \\ & = 7 \times (\underline{0 \times 5}) && = 12 \times (\underline{0 \times 9}) \\ & = \underline{7 \times 0} && = \underline{12 \times 0} \\ & = 0 && = 0 \end{aligned}$$