

# Order of Operations (I)

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

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

Simplify each expression using the correct order of operations.

$$3 \times ((6 + 10 - 7 + 9 - 5) \times 2)$$

$$(9 + 3) \times 8 - 10 - 5 \times (4 + 2)$$

$$9 - 7 + 3 \times ((2 + 6) \times (8 - 4))$$

$$5 \times (4 + 8 - 2 - 10) \times (7 + 6)$$

$$(7 + 6 - 9) \times ((10 - 4 + 2) \times 3)$$

$$(10 - 3 + 8) \times (2 + 5 - 6) \times 4$$

# Order of Operations (I)

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

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

Simplify each expression using the correct order of operations.

$$\begin{aligned} & 3 \times ((\underline{6+10} - 7 + 9 - 5) \times 2) \\ &= 3 \times ((\underline{16-7} + 9 - 5) \times 2) \\ &= 3 \times ((\underline{9+9} - 5) \times 2) \\ &= 3 \times ((\underline{18-5}) \times 2) \\ &= 3 \times (\underline{13 \times 2}) \\ &= \underline{3 \times 26} \\ &= \underline{78} \end{aligned}$$

$$\begin{aligned} & (\underline{9+3}) \times 8 - 10 - 5 \times (4 + 2) \\ &= 12 \times 8 - 10 - 5 \times (\underline{4+2}) \\ &= \underline{12 \times 8} - 10 - 5 \times 6 \\ &= 96 - 10 - \underline{5 \times 6} \\ &= \underline{96-10} - 30 \\ &= \underline{86-30} \\ &= \underline{56} \end{aligned}$$

$$\begin{aligned} & 9 - 7 + 3 \times ((\underline{2+6}) \times (8 - 4)) \\ &= 9 - 7 + 3 \times (8 \times (\underline{8-4})) \\ &= 9 - 7 + 3 \times (\underline{8 \times 4}) \\ &= 9 - 7 + \underline{3 \times 32} \\ &= \underline{9-7} + 96 \\ &= \underline{2+96} \\ &= \underline{98} \end{aligned}$$

$$\begin{aligned} & 5 \times (\underline{4+8} - 2 - 10) \times (7 + 6) \\ &= 5 \times (\underline{12-2} - 10) \times (7 + 6) \\ &= 5 \times (\underline{10-10}) \times (7 + 6) \\ &= 5 \times 0 \times (\underline{7+6}) \\ &= \underline{5 \times 0} \times 13 \\ &= \underline{0 \times 13} \\ &= \underline{0} \end{aligned}$$

$$\begin{aligned} & (\underline{7+6} - 9) \times ((10 - 4 + 2) \times 3) \\ &= (\underline{13-9}) \times ((10 - 4 + 2) \times 3) \\ &= 4 \times ((\underline{10-4} + 2) \times 3) \\ &= 4 \times ((\underline{6+2}) \times 3) \\ &= 4 \times (\underline{8 \times 3}) \\ &= \underline{4 \times 24} \\ &= \underline{96} \end{aligned}$$

$$\begin{aligned} & (\underline{10-3} + 8) \times (2 + 5 - 6) \times 4 \\ &= (\underline{7+8}) \times (2 + 5 - 6) \times 4 \\ &= 15 \times (\underline{2+5} - 6) \times 4 \\ &= 15 \times (\underline{7-6}) \times 4 \\ &= \underline{15 \times 1} \times 4 \\ &= \underline{15 \times 4} \\ &= \underline{60} \end{aligned}$$