

# Order of Operations (A)

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

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

Simplify each expression using the correct order of operations.

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

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

$$(5 + 4) \times 2 + 10 \times 8$$

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

$$9 \times 7 + 5 \times (3 + 4)$$

$$(4 \times 5 + 9) \times 2 + 10$$

$$4 + 2 \times (5 \times 7 + 10)$$

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

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

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

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Simplify each expression using the correct order of operations.

$$\begin{aligned} &5 + 2 \times (4 + 7) \times 3 \\ &= 5 + 2 \times 11 \times 3 \\ &= 5 + 22 \times 3 \\ &= 5 + 66 \\ &= 71 \end{aligned}$$

$$\begin{aligned} &5 + 4 \times (2 + 6 \times 3) \\ &= 5 + 4 \times (2 + 18) \\ &= 5 + 4 \times 20 \\ &= 5 + 80 \\ &= 85 \end{aligned}$$

$$\begin{aligned} &(5 + 4) \times 2 + 10 \times 8 \\ &= 9 \times 2 + 10 \times 8 \\ &= 18 + 10 \times 8 \\ &= 18 + 80 \\ &= 98 \end{aligned}$$

$$\begin{aligned} &(6 + 7 \times 5) \times 2 + 8 \\ &= (6 + 35) \times 2 + 8 \\ &= 41 \times 2 + 8 \\ &= 82 + 8 \\ &= 90 \end{aligned}$$

$$\begin{aligned} &9 \times 7 + 5 \times (3 + 4) \\ &= 9 \times 7 + 5 \times 7 \\ &= 63 + 5 \times 7 \\ &= 63 + 35 \\ &= 98 \end{aligned}$$

$$\begin{aligned} &(4 \times 5 + 9) \times 2 + 10 \\ &= (20 + 9) \times 2 + 10 \\ &= 29 \times 2 + 10 \\ &= 58 + 10 \\ &= 68 \end{aligned}$$

$$\begin{aligned} &4 + 2 \times (5 \times 7 + 10) \\ &= 4 + 2 \times (35 + 10) \\ &= 4 + 2 \times 45 \\ &= 4 + 90 \\ &= 94 \end{aligned}$$

$$\begin{aligned} &(6 + 7) \times 5 + 2 \times 4 \\ &= 13 \times 5 + 2 \times 4 \\ &= 65 + 2 \times 4 \\ &= 65 + 8 \\ &= 73 \end{aligned}$$

$$\begin{aligned} &2 \times (3 + 7 + 4 \times 9) \\ &= 2 \times (3 + 7 + 36) \\ &= 2 \times (10 + 36) \\ &= 2 \times 46 \\ &= 92 \end{aligned}$$

$$\begin{aligned} &(7 + 9) \times 3 + 2 \times 4 \\ &= 16 \times 3 + 2 \times 4 \\ &= 48 + 2 \times 4 \\ &= 48 + 8 \\ &= 56 \end{aligned}$$