

# Order of Operations (F)

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

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

Simplify each expression using the correct order of operations.

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

$$((7 + 9) \times 2) \times 4 + 5 + 8$$

$$((7 + 9) \times 2) \times 4 + 5 + 6$$

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

$$(6 + 5) \times 4 + 7 \times (2 + 9)$$

$$(4 + 7) \times 2 + 5 \times (9 + 3)$$

$$(8 + 7) \times 5 + 4 \times (2 \times 3)$$

$$(8 + 2) \times 10 + 4 \times (3 + 7)$$

# Order of Operations (F)

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

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

Simplify each expression using the correct order of operations.

$$\begin{aligned}(4 \times (8 + 7)) \times 2 + 6 + 10 \\ &= (4 \times 15) \times 2 + 6 + 10 \\ &= 60 \times 2 + 6 + 10 \\ &= 120 + 6 + 10 \\ &= 126 + 10 \\ &= 136\end{aligned}$$

$$\begin{aligned}((7 + 9) \times 2) \times 4 + 5 + 8 \\ &= (16 \times 2) \times 4 + 5 + 8 \\ &= 32 \times 4 + 5 + 8 \\ &= 128 + 5 + 8 \\ &= 133 + 8 \\ &= 141\end{aligned}$$

$$\begin{aligned}((7 + 9) \times 2) \times 4 + 5 + 6 \\ &= (16 \times 2) \times 4 + 5 + 6 \\ &= 32 \times 4 + 5 + 6 \\ &= 128 + 5 + 6 \\ &= 133 + 6 \\ &= 139\end{aligned}$$

$$\begin{aligned}(3 + 4) \times 6 + 2 \times (10 + 9) \\ &= 7 \times 6 + 2 \times (10 + 9) \\ &= 7 \times 6 + 2 \times 19 \\ &= 42 + 2 \times 19 \\ &= 42 + 38 \\ &= 80\end{aligned}$$

$$\begin{aligned}(6 + 5) \times 4 + 7 \times (2 + 9) \\ &= 11 \times 4 + 7 \times (2 + 9) \\ &= 11 \times 4 + 7 \times 11 \\ &= 44 + 7 \times 11 \\ &= 44 + 77 \\ &= 121\end{aligned}$$

$$\begin{aligned}(4 + 7) \times 2 + 5 \times (9 + 3) \\ &= 11 \times 2 + 5 \times (9 + 3) \\ &= 11 \times 2 + 5 \times 12 \\ &= 22 + 5 \times 12 \\ &= 22 + 60 \\ &= 82\end{aligned}$$

$$\begin{aligned}(8 + 7) \times 5 + 4 \times (2 \times 3) \\ &= 15 \times 5 + 4 \times (2 \times 3) \\ &= 15 \times 5 + 4 \times 6 \\ &= 75 + 4 \times 6 \\ &= 75 + 24 \\ &= 99\end{aligned}$$

$$\begin{aligned}(8 + 2) \times 10 + 4 \times (3 + 7) \\ &= 10 \times 10 + 4 \times (3 + 7) \\ &= 10 \times 10 + 4 \times 10 \\ &= 100 + 4 \times 10 \\ &= 100 + 40 \\ &= 140\end{aligned}$$