

# Order of Operations (J)

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

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

Simplify each expression using the correct order of operations.

$$(8 - 9 \div (2 + 7)) \times 5 + 3$$

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

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

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

$$(10 + 6 - 9) \times 4 \div 2 - 8$$

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

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

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

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$$\begin{aligned}(8 - 9 \div (2 + 7)) \times 5 + 3 \\&= (8 - 9 \div 9) \times 5 + 3 \\&= (8 - 1) \times 5 + 3 \\&= 7 \times 5 + 3 \\&= 35 + 3 \\&= 38\end{aligned}$$

$$\begin{aligned}10 \times 9 \div (6 - 3 + 4 - 5) \\&= 10 \times 9 \div (3 + 4 - 5) \\&= 10 \times 9 \div (7 - 5) \\&= 10 \times 9 \div 2 \\&= 90 \div 2 \\&= 45\end{aligned}$$

$$\begin{aligned}7 \times (6 + 10 - 8 \div 2 \times 4) \\&= 7 \times (6 + 10 - 4 \times 4) \\&= 7 \times (6 + 10 - 16) \\&= 7 \times (16 - 16) \\&= 7 \times 0 \\&= 0\end{aligned}$$

$$\begin{aligned}10 \div (8 + 2) \times (9 - 6 + 5) \\&= 10 \div 10 \times (9 - 6 + 5) \\&= 10 \div 10 \times (3 + 5) \\&= 10 \div 10 \times 8 \\&= 1 \times 8 \\&= 8\end{aligned}$$

$$\begin{aligned}(10 + 6 - 9) \times 4 \div 2 - 8 \\&= (16 - 9) \times 4 \div 2 - 8 \\&= 7 \times 4 \div 2 - 8 \\&= 28 \div 2 - 8 \\&= 14 - 8 \\&= 6\end{aligned}$$

$$\begin{aligned}(6 \times 10) \div 5 - 9 + 8 - 4 \\&= 60 \div 5 - 9 + 8 - 4 \\&= 12 - 9 + 8 - 4 \\&= 3 + 8 - 4 \\&= 11 - 4 \\&= 7\end{aligned}$$

$$\begin{aligned}(9 - 2 \times 6 \div 4 + 3) \times 7 \\&= (9 - 12 \div 4 + 3) \times 7 \\&= (9 - 3 + 3) \times 7 \\&= (6 + 3) \times 7 \\&= 9 \times 7 \\&= 63\end{aligned}$$

$$\begin{aligned}8 \times (5 + 9 \div 3 - 2 + 6) \\&= 8 \times (5 + 3 - 2 + 6) \\&= 8 \times (8 - 2 + 6) \\&= 8 \times (6 + 6) \\&= 8 \times 12 \\&= 96\end{aligned}$$