

# Order of Operations (A)

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

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

Simplify each expression using the correct order of operations.

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

$$2 \times (3^3 - 5 + 8)$$

$$(3 \times 2^2) \div (6 - 4)$$

$$3^3 \times (6 + 2 - 8)$$

$$(3^2 - 8 + 2) \times 4$$

$$(9^2 - 8 + 2) \div 5$$

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

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

$$(6 - 2^2 + 5) \times 8$$

$$(2^3 + 8 - 4) \div 3$$

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Simplify each expression using the correct order of operations.

$$\begin{aligned}2^3 \times (8 + 4 - 10) \\&= 2^3 \times (12 - 10) \\&= 2^3 \times 2 \\&= 8 \times 2 \\&= 16\end{aligned}$$

$$\begin{aligned}2 \times (3^3 - 5 + 8) \\&= 2 \times (27 - 5 + 8) \\&= 2 \times (22 + 8) \\&= 2 \times 30 \\&= 60\end{aligned}$$

$$\begin{aligned}(3 \times 2^2) \div (6 - 4) \\&= (3 \times 4) \div (6 - 4) \\&= 12 \div (6 - 4) \\&= 12 \div 2 \\&= 6\end{aligned}$$

$$\begin{aligned}3^3 \times (6 + 2 - 8) \\&= 3^3 \times (8 - 8) \\&= 3^3 \times 0 \\&= 27 \times 0 \\&= 0\end{aligned}$$

$$\begin{aligned}(3^2 - 8 + 2) \times 4 \\&= (9 - 8 + 2) \times 4 \\&= (1 + 2) \times 4 \\&= 3 \times 4 \\&= 12\end{aligned}$$

$$\begin{aligned}(9^2 - 8 + 2) \div 5 \\&= (81 - 8 + 2) \div 5 \\&= (73 + 2) \div 5 \\&= 75 \div 5 \\&= 15\end{aligned}$$

$$\begin{aligned}(3 + 5^2 - 8) \times 4 \\&= (3 + 25 - 8) \times 4 \\&= (28 - 8) \times 4 \\&= 20 \times 4 \\&= 80\end{aligned}$$

$$\begin{aligned}(2^3 + 4) \div (9 - 6) \\&= (8 + 4) \div (9 - 6) \\&= 12 \div (9 - 6) \\&= 12 \div 3 \\&= 4\end{aligned}$$

$$\begin{aligned}(6 - 2^2 + 5) \times 8 \\&= (6 - 4 + 5) \times 8 \\&= (2 + 5) \times 8 \\&= 7 \times 8 \\&= 56\end{aligned}$$

$$\begin{aligned}(2^3 + 8 - 4) \div 3 \\&= (8 + 8 - 4) \div 3 \\&= (16 - 4) \div 3 \\&= 12 \div 3 \\&= 4\end{aligned}$$