

## Order of Operations (B)

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

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

Simplify each expression using the correct order of operations.

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

$$5 \div (8 + 2^2 - 7)$$

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

$$5 \times (9 - 2^2 + 10)$$

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

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

$$5 \times (7 - 3 + 2^2)$$

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

$$(9 + 3) \times (10 - 8)^3$$

$$(3 + 10) \times (5 - 2^2)$$

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Simplify each expression using the correct order of operations.

$$\begin{aligned}(10 - 7 + 3^2) \times 6 \\ &= (10 - 7 + 9) \times 6 \\ &= (3 + 9) \times 6 \\ &= 12 \times 6 \\ &= 72\end{aligned}$$

$$\begin{aligned}5 \div (8 + 2^2 - 7) \\ &= 5 \div (8 + 4 - 7) \\ &= 5 \div (12 - 7) \\ &= 5 \div 5 \\ &= 1\end{aligned}$$

$$\begin{aligned}(6 + 3) \times 8 - 2^2 \\ &= 9 \times 8 - 2^2 \\ &= 9 \times 8 - 4 \\ &= 72 - 4 \\ &= 68\end{aligned}$$

$$\begin{aligned}5 \times (9 - 2^2 + 10) \\ &= 5 \times (9 - 4 + 10) \\ &= 5 \times (5 + 10) \\ &= 5 \times 15 \\ &= 75\end{aligned}$$

$$\begin{aligned}(2^2 + 8) \times (9 - 5) \\ &= (4 + 8) \times (9 - 5) \\ &= 12 \times (9 - 5) \\ &= 12 \times 4 \\ &= 48\end{aligned}$$

$$\begin{aligned}(7 - 2^3 \div 4) \times 9 \\ &= (7 - 8 \div 4) \times 9 \\ &= (7 - 2) \times 9 \\ &= 5 \times 9 \\ &= 45\end{aligned}$$

$$\begin{aligned}5 \times (7 - 3 + 2^2) \\ &= 5 \times (7 - 3 + 4) \\ &= 5 \times (4 + 4) \\ &= 5 \times 8 \\ &= 40\end{aligned}$$

$$\begin{aligned}(7 + 4 - 2^3) \times 5 \\ &= (7 + 4 - 8) \times 5 \\ &= (11 - 8) \times 5 \\ &= 3 \times 5 \\ &= 15\end{aligned}$$

$$\begin{aligned}(9 + 3) \times (10 - 8)^3 \\ &= 12 \times (10 - 8)^3 \\ &= 12 \times 2^3 \\ &= 12 \times 8 \\ &= 96\end{aligned}$$

$$\begin{aligned}(3 + 10) \times (5 - 2^2) \\ &= 13 \times (5 - 2^2) \\ &= 13 \times (5 - 4) \\ &= 13 \times 1 \\ &= 13\end{aligned}$$