

Order of Operations (G)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$10 + 2^3 \times 7$

$8 \times 2^2 - 6$

$4^2 - 8 \div 2$

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

$8^2 + 5 \times 3$

$2 \times 3^2 - 7$

$8^2 + 2 \times 7$

$4 \times (10 - 2^2)$

$4^2 \times 2 + 5$

$5 + 8^2 \div 4$

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$$\begin{aligned}10 + 2^3 \times 7 \\&= 10 + 8 \times 7 \\&= 10 + 56 \\&= 66\end{aligned}$$

$$\begin{aligned}8 \times 2^2 - 6 \\&= 8 \times 4 - 6 \\&= 32 - 6 \\&= 26\end{aligned}$$

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

$$\begin{aligned}2 \times (7 - 5)^3 \\&= 2 \times 2^3 \\&= 2 \times 8 \\&= 16\end{aligned}$$

$$\begin{aligned}8^2 + 5 \times 3 \\&= 64 + 5 \times 3 \\&= 64 + 15 \\&= 79\end{aligned}$$

$$\begin{aligned}2 \times 3^2 - 7 \\&= 2 \times 9 - 7 \\&= 18 - 7 \\&= 11\end{aligned}$$

$$\begin{aligned}8^2 + 2 \times 7 \\&= 64 + 2 \times 7 \\&= 64 + 14 \\&= 78\end{aligned}$$

$$\begin{aligned}4 \times (10 - 2^2) \\&= 4 \times (10 - 4) \\&= 4 \times 6 \\&= 24\end{aligned}$$

$$\begin{aligned}4^2 \times 2 + 5 \\&= 16 \times 2 + 5 \\&= 32 + 5 \\&= 37\end{aligned}$$

$$\begin{aligned}5 + 8^2 \div 4 \\&= 5 + 64 \div 4 \\&= 5 + 16 \\&= 21\end{aligned}$$