

Order of Operations (F)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$4 \times (2^3 + 6)$$

$$8 + 9 \div 3^2$$

$$3^2 \times 6 - 2$$

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

$$(6 + 2^2) \times 10$$

$$9^2 - 4 \times 7$$

$$5 \times 2^2 + 3$$

$$4^2 \div (9 + 7)$$

$$6 - 2^3 \div 8$$

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

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$$\begin{aligned}4 \times (2^3 + 6) \\&= 4 \times (8 + 6) \\&= 4 \times 14 \\&= 56\end{aligned}$$

$$\begin{aligned}8 + 9 \div 3^2 \\&= 8 + 9 \div 9 \\&= 8 + 1 \\&= 9\end{aligned}$$

$$\begin{aligned}3^2 \times 6 - 2 \\&= 9 \times 6 - 2 \\&= 54 - 2 \\&= 52\end{aligned}$$

$$\begin{aligned}3^2 \times (10 - 8) \\&= 3^2 \times 2 \\&= 9 \times 2 \\&= 18\end{aligned}$$

$$\begin{aligned}(6 + 2^2) \times 10 \\&= (6 + 4) \times 10 \\&= 10 \times 10 \\&= 100\end{aligned}$$

$$\begin{aligned}9^2 - 4 \times 7 \\&= 81 - 4 \times 7 \\&= 81 - 28 \\&= 53\end{aligned}$$

$$\begin{aligned}5 \times 2^2 + 3 \\&= 5 \times 4 + 3 \\&= 20 + 3 \\&= 23\end{aligned}$$

$$\begin{aligned}4^2 \div (9 + 7) \\&= 4^2 \div 16 \\&= 16 \div 16 \\&= 1\end{aligned}$$

$$\begin{aligned}6 - 2^3 \div 8 \\&= 6 - 8 \div 8 \\&= 6 - 1 \\&= 5\end{aligned}$$

$$\begin{aligned}(2 + 5) \times 3^2 \\&= 7 \times 3^2 \\&= 7 \times 9 \\&= 63\end{aligned}$$