

Order of Operations (I)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

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

$$(8 - 6)^2 \times 9$$

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

$$3^3 + 9 \times 7$$

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

$$6 - 4^2 \div 8$$

$$3 \times 8 + 7^2$$

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

$$5 \div (3 - 2)^2$$

$$3^2 \times (8 - 7)$$

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Simplify each expression using the correct order of operations.

$$\begin{aligned}2^2 \times (8 - 4) \\&= \underline{2^2} \times 4 \\&= \underline{4 \times 4} \\&= 16\end{aligned}$$

$$\begin{aligned}(\underline{8 - 6})^2 \times 9 \\&= \underline{2^2} \times 9 \\&= \underline{4 \times 9} \\&= 36\end{aligned}$$

$$\begin{aligned}10 \times (\underline{3 - 2})^3 \\&= 10 \times \underline{1^3} \\&= \underline{10 \times 1} \\&= 10\end{aligned}$$

$$\begin{aligned}\underline{3^3} + 9 \times 7 \\&= 27 + \underline{9 \times 7} \\&= \underline{27 + 63} \\&= 90\end{aligned}$$

$$\begin{aligned}3 \times (\underline{4^2} + 2) \\&= 3 \times (\underline{16 + 2}) \\&= \underline{3 \times 18} \\&= 54\end{aligned}$$

$$\begin{aligned}6 - \underline{4^2} \div 8 \\&= 6 - \underline{16 \div 8} \\&= \underline{6 - 2} \\&= 4\end{aligned}$$

$$\begin{aligned}3 \times 8 + \underline{7^2} \\&= \underline{3 \times 8} + 49 \\&= \underline{24 + 49} \\&= 73\end{aligned}$$

$$\begin{aligned}(\underline{3 + 2^3}) \times 4 \\&= (\underline{3 + 8}) \times 4 \\&= \underline{11 \times 4} \\&= 44\end{aligned}$$

$$\begin{aligned}5 \div (\underline{3 - 2})^2 \\&= 5 \div \underline{1^2} \\&= \underline{5 \div 1} \\&= 5\end{aligned}$$

$$\begin{aligned}3^2 \times (\underline{8 - 7}) \\&= \underline{3^2} \times 1 \\&= \underline{9 \times 1} \\&= 9\end{aligned}$$