

Order of Operations (F)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$\begin{aligned}6 - 3 \times 10 \div (2 + 8) \\&= 6 - \underline{3 \times 10} \div 10 \\&= 6 - \underline{30 \div 10} \\&= \underline{6 - 3} \\&= 3\end{aligned}$$

$$\begin{aligned}(6 + \underline{9 \times 5} - 3) \div 4 \\&= (\underline{6 + 45} - 3) \div 4 \\&= (\underline{51 - 3}) \div 4 \\&= \underline{48 \div 4} \\&= 12\end{aligned}$$

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

$$\begin{aligned}(\underline{5 \times 8}) \div (2 + 10 - 7) \\&= 40 \div (\underline{2 + 10} - 7) \\&= 40 \div (\underline{12 - 7}) \\&= \underline{40 \div 5} \\&= 8\end{aligned}$$

$$\begin{aligned}((\underline{5 + 9} - 10) \times 7) \div 4 \\&= ((\underline{14 - 10}) \times 7) \div 4 \\&= (\underline{4 \times 7}) \div 4 \\&= \underline{28 \div 4} \\&= 7\end{aligned}$$

$$\begin{aligned}(\underline{6 \times 4} - 8 + 5) \div 3 \\&= (\underline{24 - 8} + 5) \div 3 \\&= (\underline{16 + 5}) \div 3 \\&= \underline{21 \div 3} \\&= 7\end{aligned}$$

$$\begin{aligned}(9 + \underline{5 \times 6}) \div (3 - 2) \\&= (\underline{9 + 30}) \div (3 - 2) \\&= 39 \div (\underline{3 - 2}) \\&= \underline{39 \div 1} \\&= 39\end{aligned}$$

$$\begin{aligned}(\underline{4 + 5}) \div 3 \times (8 - 6) \\&= 9 \div 3 \times (\underline{8 - 6}) \\&= \underline{9 \div 3} \times 2 \\&= \underline{3 \times 2} \\&= 6\end{aligned}$$

$$\begin{aligned}5 \times (\underline{10 + 9} - 7) \div 4 \\&= 5 \times (\underline{19 - 7}) \div 4 \\&= \underline{5 \times 12} \div 4 \\&= \underline{60 \div 4} \\&= 15\end{aligned}$$

$$\begin{aligned}(\underline{7 + 2}) \div (5 - 4) \times 6 \\&= 9 \div (\underline{5 - 4}) \times 6 \\&= \underline{9 \div 1} \times 6 \\&= \underline{9 \times 6} \\&= 54\end{aligned}$$