

Order of Operations (D)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$\begin{aligned}8 + 9 \div (7 - 4) \times 10 \\&= 8 + 9 \div 3 \times 10 \\&= 8 + 3 \times 10 \\&= 8 + 30 \\&= 38\end{aligned}$$

$$\begin{aligned}((10 + 5) \div 3) \times 9 - 7 \\&= (15 \div 3) \times 9 - 7 \\&= 5 \times 9 - 7 \\&= 45 - 7 \\&= 38\end{aligned}$$

$$\begin{aligned}(8 \times 10 + 6 - 9) \div 7 \\&= (80 + 6 - 9) \div 7 \\&= (86 - 9) \div 7 \\&= 77 \div 7 \\&= 11\end{aligned}$$

$$\begin{aligned}5 \times (3 + 8 - 10 \div 2) \\&= 5 \times (3 + 8 - 5) \\&= 5 \times (11 - 5) \\&= 5 \times 6 \\&= 30\end{aligned}$$

$$\begin{aligned}4 + 9 \times (2 \div (8 - 7)) \\&= 4 + 9 \times (2 \div 1) \\&= 4 + 9 \times 2 \\&= 4 + 18 \\&= 22\end{aligned}$$

$$\begin{aligned}3 \times 10 \div (7 + 2 - 8) \\&= 3 \times 10 \div (9 - 8) \\&= 3 \times 10 \div 1 \\&= 30 \div 1 \\&= 30\end{aligned}$$

$$\begin{aligned}((9 - 8 + 7) \times 4) \div 2 \\&= ((1 + 7) \times 4) \div 2 \\&= (8 \times 4) \div 2 \\&= 32 \div 2 \\&= 16\end{aligned}$$

$$\begin{aligned}((10 - 8 + 7) \div 9) \times 5 \\&= ((2 + 7) \div 9) \times 5 \\&= (9 \div 9) \times 5 \\&= 1 \times 5 \\&= 5\end{aligned}$$

$$\begin{aligned}(3 + 9) \div 2 \times 6 - 10 \\&= 12 \div 2 \times 6 - 10 \\&= 6 \times 6 - 10 \\&= 36 - 10 \\&= 26\end{aligned}$$

$$\begin{aligned}(5 \times 8) \div (3 + 10 - 9) \\&= 40 \div (3 + 10 - 9) \\&= 40 \div (13 - 9) \\&= 40 \div 4 \\&= 10\end{aligned}$$