

Order of Operations (B)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$5 + 8 \times (10 - 9) \div 2$$

$$((3 + 5) \div 2) \times 7 - 10$$

$$7 \times (10 - 4) \div (2 + 5)$$

$$(8 \times 10 - 3 + 4) \div 9$$

$$6 \times (10 \div 2 + 8 - 5)$$

$$(6 + 4 - 9 \div 3) \times 8$$

$$(8 \div 2) \times (6 + 3 - 7)$$

$$(10 + 5 \times 6) \div (4 - 2)$$

$$(7 + 8) \times 5 \div (9 - 6)$$

$$(6 \times 2 - 8 + 3) \div 7$$

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$$\begin{aligned}5 + 8 \times (10 - 9) \div 2 \\&= 5 + 8 \times 1 \div 2 \\&= 5 + 8 \div 2 \\&= 5 + 4 \\&= 9\end{aligned}$$

$$\begin{aligned}((3 + 5) \div 2) \times 7 - 10 \\&= (8 \div 2) \times 7 - 10 \\&= 4 \times 7 - 10 \\&= 28 - 10 \\&= 18\end{aligned}$$

$$\begin{aligned}7 \times (10 - 4) \div (2 + 5) \\&= 7 \times 6 \div (2 + 5) \\&= 7 \times 6 \div 7 \\&= 42 \div 7 \\&= 6\end{aligned}$$

$$\begin{aligned}(8 \times 10 - 3 + 4) \div 9 \\&= (80 - 3 + 4) \div 9 \\&= (77 + 4) \div 9 \\&= 81 \div 9 \\&= 9\end{aligned}$$

$$\begin{aligned}6 \times (10 \div 2 + 8 - 5) \\&= 6 \times (5 + 8 - 5) \\&= 6 \times (13 - 5) \\&= 6 \times 8 \\&= 48\end{aligned}$$

$$\begin{aligned}(6 + 4 - 9 \div 3) \times 8 \\&= (6 + 4 - 3) \times 8 \\&= (10 - 3) \times 8 \\&= 7 \times 8 \\&= 56\end{aligned}$$

$$\begin{aligned}(8 \div 2) \times (6 + 3 - 7) \\&= 4 \times (6 + 3 - 7) \\&= 4 \times (9 - 7) \\&= 4 \times 2 \\&= 8\end{aligned}$$

$$\begin{aligned}(10 + 5 \times 6) \div (4 - 2) \\&= (10 + 30) \div (4 - 2) \\&= 40 \div (4 - 2) \\&= 40 \div 2 \\&= 20\end{aligned}$$

$$\begin{aligned}(7 + 8) \times 5 \div (9 - 6) \\&= 15 \times 5 \div (9 - 6) \\&= 15 \times 5 \div 3 \\&= 75 \div 3 \\&= 25\end{aligned}$$

$$\begin{aligned}(6 \times 2 - 8 + 3) \div 7 \\&= (12 - 8 + 3) \div 7 \\&= (4 + 3) \div 7 \\&= 7 \div 7 \\&= 1\end{aligned}$$