

Order of Operations (I)

Name: _____

Date: _____

Solve each expression using the correct order of operations.

$$(7 + 5) \div 4 \times 9 - 2 - 8$$

$$6 \times (10 + 9 - 8) \div (5 - 3)$$

$$(5 \times 3 - 10) \div (6 + 4 - 9)$$

$$(8 - 4 \div 2) \times 6 + 7 \times 5$$

$$(9 \times 6 - 4) \div 10 + 7 + 2$$

$$2 \times (6 \div 3 + 9 - 4 - 5)$$

$$9 - 2 + 4 \times (6 \div 3) \div 8$$

$$7 + 2 - 10 \times 8 \div (4 + 6)$$

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$$\begin{aligned}(7 + 5) \div 4 \times 9 - 2 - 8 \\ &= \underline{12 \div 4} \times 9 - 2 - 8 \\ &= \underline{3 \times 9} - 2 - 8 \\ &= \underline{27 - 2} - 8 \\ &= \underline{25 - 8} \\ &= 17\end{aligned}$$

$$\begin{aligned}6 \times (10 + 9 - 8) \div (5 - 3) \\ &= 6 \times \underline{(19 - 8)} \div (5 - 3) \\ &= 6 \times 11 \div \underline{(5 - 3)} \\ &= \underline{6 \times 11} \div 2 \\ &= \underline{66 \div 2} \\ &= 33\end{aligned}$$

$$\begin{aligned}(5 \times 3 - 10) \div (6 + 4 - 9) \\ &= \underline{(15 - 10)} \div (6 + 4 - 9) \\ &= 5 \div \underline{(6 + 4 - 9)} \\ &= 5 \div \underline{(10 - 9)} \\ &= \underline{5 \div 1} \\ &= 5\end{aligned}$$

$$\begin{aligned}(8 - 4 \div 2) \times 6 + 7 \times 5 \\ &= \underline{(8 - 2)} \times 6 + 7 \times 5 \\ &= \underline{6 \times 6} + 7 \times 5 \\ &= 36 + \underline{7 \times 5} \\ &= \underline{36 + 35} \\ &= 71\end{aligned}$$

$$\begin{aligned}(9 \times 6 - 4) \div 10 + 7 + 2 \\ &= \underline{(54 - 4)} \div 10 + 7 + 2 \\ &= \underline{50 \div 10} + 7 + 2 \\ &= \underline{5 + 7} + 2 \\ &= \underline{12 + 2} \\ &= 14\end{aligned}$$

$$\begin{aligned}2 \times (6 \div 3 + 9 - 4 - 5) \\ &= 2 \times \underline{(2 + 9 - 4 - 5)} \\ &= 2 \times \underline{(11 - 4 - 5)} \\ &= 2 \times \underline{(7 - 5)} \\ &= \underline{2 \times 2} \\ &= 4\end{aligned}$$

$$\begin{aligned}9 - 2 + 4 \times (6 \div 3) \div 8 \\ &= 9 - 2 + \underline{4 \times 2} \div 8 \\ &= 9 - 2 + \underline{8 \div 8} \\ &= \underline{9 - 2} + 1 \\ &= \underline{7 + 1} \\ &= 8\end{aligned}$$

$$\begin{aligned}7 + 2 - 10 \times 8 \div (4 + 6) \\ &= 7 + 2 - \underline{10 \times 8} \div 10 \\ &= 7 + 2 - \underline{80 \div 10} \\ &= \underline{7 + 2} - 8 \\ &= \underline{9 - 8} \\ &= 1\end{aligned}$$