

Order of Operations (D)

Name: _____

Date: _____

Solve each expression using the correct order of operations.

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

$$(9 - 5) \times 6 \div 4 + 2 - 7$$

$$5 \div (8 + 9 - 2 \times 3 - 10)$$

$$(8 - 5 + 6 \div 3 \times 7) \times 4$$

$$6 + 2 \div (7 - 3 \times (10 - 8))$$

$$(9 + 4 - 10 \div (5 \times 2)) \times 8$$

$$(2 + 8 - 5) \times (6 \div 3) \div 10$$

$$6 \times 5 \div (4 + 10 - 2 + 3)$$

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$$\begin{aligned} &(\underline{5 + 10} - 9) \div (4 \times 3 - 6) \\ &= (\underline{15 - 9}) \div (4 \times 3 - 6) \\ &= 6 \div (\underline{4 \times 3} - 6) \\ &= 6 \div (\underline{12 - 6}) \\ &= \underline{6 \div 6} \\ &= 1 \end{aligned}$$

$$\begin{aligned} &(\underline{9 - 5}) \times 6 \div 4 + 2 - 7 \\ &= \underline{4 \times 6} \div 4 + 2 - 7 \\ &= \underline{24 \div 4} + 2 - 7 \\ &= \underline{6 + 2} - 7 \\ &= \underline{8 - 7} \\ &= 1 \end{aligned}$$

$$\begin{aligned} &5 \div (8 + 9 - \underline{2 \times 3} - 10) \\ &= 5 \div (\underline{8 + 9} - 6 - 10) \\ &= 5 \div (\underline{17 - 6} - 10) \\ &= 5 \div (\underline{11 - 10}) \\ &= \underline{5 \div 1} \\ &= 5 \end{aligned}$$

$$\begin{aligned} &(8 - 5 + \underline{6 \div 3} \times 7) \times 4 \\ &= (8 - 5 + \underline{2 \times 7}) \times 4 \\ &= (\underline{8 - 5} + 14) \times 4 \\ &= (\underline{3 + 14}) \times 4 \\ &= \underline{17 \times 4} \\ &= 68 \end{aligned}$$

$$\begin{aligned} &6 + 2 \div (7 - 3 \times (\underline{10 - 8})) \\ &= 6 + 2 \div (7 - \underline{3 \times 2}) \\ &= 6 + 2 \div (\underline{7 - 6}) \\ &= 6 + \underline{2 \div 1} \\ &= \underline{6 + 2} \\ &= 8 \end{aligned}$$

$$\begin{aligned} &(9 + 4 - 10 \div (\underline{5 \times 2})) \times 8 \\ &= (9 + 4 - \underline{10 \div 10}) \times 8 \\ &= (\underline{9 + 4} - 1) \times 8 \\ &= (\underline{13 - 1}) \times 8 \\ &= \underline{12 \times 8} \\ &= 96 \end{aligned}$$

$$\begin{aligned} &(\underline{2 + 8} - 5) \times (6 \div 3) \div 10 \\ &= (\underline{10 - 5}) \times (6 \div 3) \div 10 \\ &= 5 \times (\underline{6 \div 3}) \div 10 \\ &= \underline{5 \times 2} \div 10 \\ &= \underline{10 \div 10} \\ &= 1 \end{aligned}$$

$$\begin{aligned} &6 \times 5 \div (\underline{4 + 10} - 2 + 3) \\ &= 6 \times 5 \div (\underline{14 - 2} + 3) \\ &= 6 \times 5 \div (\underline{12 + 3}) \\ &= \underline{6 \times 5} \div 15 \\ &= \underline{30 \div 15} \\ &= 2 \end{aligned}$$