

Order of Operations (E)

Name: _____

Date: _____

Solve each expression using the correct order of operations.

$$((5 - 3 + 7) \times 10) \div 9 - 4$$

$$7 \times 5 \div (4 + 10 - 9 + 2)$$

$$(8 \times 5) \div (10 + 7 - 9 - 3)$$

$$(8 - 3 + 9) \div 7 \times 10 + 4$$

$$(9 - 3 + 8 \times 5) \div 2 + 7$$

$$10 + 8 - 5 \times (6 \div (9 - 7))$$

$$2 \times 9 + 7 \div (4 - 3 + 6)$$

$$4 - 7 \times 9 \div (3 + 10 \times 6)$$

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$$\begin{aligned} & ((\underline{5-3} + 7) \times 10) \div 9 - 4 \\ & = ((\underline{2+7}) \times 10) \div 9 - 4 \\ & = (\underline{9 \times 10}) \div 9 - 4 \\ & = \underline{90 \div 9} - 4 \\ & = \underline{10 - 4} \\ & = 6 \end{aligned}$$

$$\begin{aligned} & 7 \times 5 \div (\underline{4+10} - 9 + 2) \\ & = 7 \times 5 \div (\underline{14-9} + 2) \\ & = 7 \times 5 \div (\underline{5+2}) \\ & = \underline{7 \times 5} \div 7 \\ & = \underline{35 \div 7} \\ & = 5 \end{aligned}$$

$$\begin{aligned} & (\underline{8 \times 5}) \div (10 + 7 - 9 - 3) \\ & = 40 \div (\underline{10+7} - 9 - 3) \\ & = 40 \div (\underline{17-9} - 3) \\ & = 40 \div (\underline{8-3}) \\ & = \underline{40 \div 5} \\ & = 8 \end{aligned}$$

$$\begin{aligned} & (\underline{8-3} + 9) \div 7 \times 10 + 4 \\ & = (\underline{5+9}) \div 7 \times 10 + 4 \\ & = \underline{14 \div 7} \times 10 + 4 \\ & = \underline{2 \times 10} + 4 \\ & = \underline{20 + 4} \\ & = 24 \end{aligned}$$

$$\begin{aligned} & (9 - 3 + \underline{8 \times 5}) \div 2 + 7 \\ & = (\underline{9-3} + 40) \div 2 + 7 \\ & = (\underline{6+40}) \div 2 + 7 \\ & = \underline{46 \div 2} + 7 \\ & = \underline{23 + 7} \\ & = 30 \end{aligned}$$

$$\begin{aligned} & 10 + 8 - 5 \times (6 \div (\underline{9-7})) \\ & = 10 + 8 - 5 \times (\underline{6 \div 2}) \\ & = 10 + 8 - \underline{5 \times 3} \\ & = \underline{10+8} - 15 \\ & = \underline{18-15} \\ & = 3 \end{aligned}$$

$$\begin{aligned} & 2 \times 9 + 7 \div (\underline{4-3} + 6) \\ & = 2 \times 9 + 7 \div (\underline{1+6}) \\ & = \underline{2 \times 9} + 7 \div 7 \\ & = 18 + \underline{7 \div 7} \\ & = \underline{18+1} \\ & = 19 \end{aligned}$$

$$\begin{aligned} & 4 - 7 \times 9 \div (3 + \underline{10 \times 6}) \\ & = 4 - 7 \times 9 \div (\underline{3+60}) \\ & = 4 - \underline{7 \times 9} \div 63 \\ & = 4 - \underline{63 \div 63} \\ & = \underline{4-1} \\ & = 3 \end{aligned}$$