

Order of Operations (I)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$(8 \times 9) \div (4 + 10 - 6)$$

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

$$(10 + 2 - 9) \div 3 \times 4$$

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

$$(10 \div 5) \times 3 + 6 - 7$$

$$(6 + 8 - 9) \times 2 \div 5$$

$$(10 \times 5 + 8) \div 2 - 7$$

$$(6 \div (10 - 8 + 4)) \times 3$$

$$4 \times 6 + 8 \div (9 - 5)$$

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

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$$\begin{aligned} & (8 \times 9) \div (4 + 10 - 6) \\ & = 72 \div (4 + 10 - 6) \\ & = 72 \div (14 - 6) \\ & = \underline{72 \div 8} \\ & = 9 \end{aligned}$$

$$\begin{aligned} & 6 \times 7 \div (4 + 5 - 3) \\ & = 6 \times 7 \div (9 - 3) \\ & = \underline{6 \times 7} \div 6 \\ & = \underline{42 \div 6} \\ & = 7 \end{aligned}$$

$$\begin{aligned} & (10 + 2 - 9) \div 3 \times 4 \\ & = (12 - 9) \div 3 \times 4 \\ & = \underline{3 \div 3} \times 4 \\ & = \underline{1 \times 4} \\ & = 4 \end{aligned}$$

$$\begin{aligned} & (8 \times 10 - 3 + 5) \div 2 \\ & = (80 - 3 + 5) \div 2 \\ & = (77 + 5) \div 2 \\ & = \underline{82 \div 2} \\ & = 41 \end{aligned}$$

$$\begin{aligned} & (10 \div 5) \times 3 + 6 - 7 \\ & = \underline{2 \times 3} + 6 - 7 \\ & = \underline{6 + 6} - 7 \\ & = \underline{12 - 7} \\ & = 5 \end{aligned}$$

$$\begin{aligned} & (6 + 8 - 9) \times 2 \div 5 \\ & = (14 - 9) \times 2 \div 5 \\ & = \underline{5 \times 2} \div 5 \\ & = \underline{10 \div 5} \\ & = 2 \end{aligned}$$

$$\begin{aligned} & (10 \times 5 + 8) \div 2 - 7 \\ & = (50 + 8) \div 2 - 7 \\ & = \underline{58 \div 2} - 7 \\ & = \underline{29 - 7} \\ & = 22 \end{aligned}$$

$$\begin{aligned} & (6 \div (10 - 8 + 4)) \times 3 \\ & = (6 \div (2 + 4)) \times 3 \\ & = (6 \div 6) \times 3 \\ & = \underline{1 \times 3} \\ & = 3 \end{aligned}$$

$$\begin{aligned} & 4 \times 6 + 8 \div (9 - 5) \\ & = \underline{4 \times 6} + 8 \div 4 \\ & = 24 + \underline{8 \div 4} \\ & = \underline{24 + 2} \\ & = 26 \end{aligned}$$

$$\begin{aligned} & (4 \div 2 + 8) \times 5 - 7 \\ & = (2 + 8) \times 5 - 7 \\ & = \underline{10 \times 5} - 7 \\ & = \underline{50 - 7} \\ & = 43 \end{aligned}$$