

Order of Operations (C)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$8 \times (2 + 5 - 7) \div (10 - 6)$$

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

$$(6 + 3 - 4 \times 2) \div (10 - 9)$$

$$4 \times 8 + 10 \div (9 - 2 + 3)$$

$$9 + 3 - 2 \times 4 \div (10 - 8)$$

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

$$7 \times (10 + 3 \div (5 - 4 \div 2))$$

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

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Simplify each expression using the correct order of operations.

$$\begin{aligned} & 8 \times (2 + 5 - 7) \div (10 - 6) \\ & = 8 \times (7 - 7) \div (10 - 6) \\ & = 8 \times 0 \div (10 - 6) \\ & = \underline{8 \times 0} \div 4 \\ & = \underline{0 \div 4} \\ & = 0 \end{aligned}$$

$$\begin{aligned} & (8 - 2) \div 6 \times (10 + 4) \times 7 \\ & = 6 \div 6 \times (10 + 4) \times 7 \\ & = \underline{6 \div 6} \times 14 \times 7 \\ & = \underline{1 \times 14} \times 7 \\ & = \underline{14 \times 7} \\ & = 98 \end{aligned}$$

$$\begin{aligned} & (6 + 3 - 4 \times 2) \div (10 - 9) \\ & = (6 + 3 - 8) \div (10 - 9) \\ & = (9 - 8) \div (10 - 9) \\ & = 1 \div (10 - 9) \\ & = \underline{1 \div 1} \\ & = 1 \end{aligned}$$

$$\begin{aligned} & 4 \times 8 + 10 \div (9 - 2 + 3) \\ & = 4 \times 8 + 10 \div (7 + 3) \\ & = \underline{4 \times 8} + 10 \div 10 \\ & = 32 + \underline{10 \div 10} \\ & = \underline{32 + 1} \\ & = 33 \end{aligned}$$

$$\begin{aligned} & 9 + 3 - 2 \times 4 \div (10 - 8) \\ & = 9 + 3 - \underline{2 \times 4} \div 2 \\ & = 9 + 3 - \underline{8 \div 2} \\ & = \underline{9 + 3} - 4 \\ & = \underline{12 - 4} \\ & = 8 \end{aligned}$$

$$\begin{aligned} & (7 + 8 \div 2 - 4) \times 6 + 5 \\ & = (\underline{7 + 4} - 4) \times 6 + 5 \\ & = (\underline{11 - 4}) \times 6 + 5 \\ & = \underline{7 \times 6} + 5 \\ & = \underline{42 + 5} \\ & = 47 \end{aligned}$$

$$\begin{aligned} & 7 \times (10 + 3 \div (5 - 4 \div 2)) \\ & = 7 \times (10 + 3 \div (5 - 2)) \\ & = 7 \times (10 + \underline{3 \div 3}) \\ & = 7 \times (\underline{10 + 1}) \\ & = \underline{7 \times 11} \\ & = 77 \end{aligned}$$

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