

Order of Operations (H)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

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

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

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

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

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

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

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

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

$$3 \times (7 - 4 + 8) \times 2$$

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

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Simplify each expression using the correct order of operations.

$$\begin{aligned} & 2 \times (7 - 4 + 5 - 8) \\ & = 2 \times (3 + 5 - 8) \\ & = 2 \times (8 - 8) \\ & = \underline{2 \times 0} \\ & = 0 \end{aligned}$$

$$\begin{aligned} & (10 + 6 - 5 \times 2) \times 7 \\ & = (10 + 6 - 10) \times 7 \\ & = (16 - 10) \times 7 \\ & = \underline{6 \times 7} \\ & = 42 \end{aligned}$$

$$\begin{aligned} & (9 + 10) \times 4 - 7 - 2 \\ & = \underline{19 \times 4} - 7 - 2 \\ & = \underline{76 - 7} - 2 \\ & = \underline{69 - 2} \\ & = 67 \end{aligned}$$

$$\begin{aligned} & (2 + 10 - 6) \times (4 + 3) \\ & = (12 - 6) \times (4 + 3) \\ & = 6 \times (4 + 3) \\ & = \underline{6 \times 7} \\ & = 42 \end{aligned}$$

$$\begin{aligned} & (8 + 9) \times 3 - 2 + 4 \\ & = \underline{17 \times 3} - 2 + 4 \\ & = \underline{51 - 2} + 4 \\ & = \underline{49 + 4} \\ & = 53 \end{aligned}$$

$$\begin{aligned} & (3 + 5 - 2) \times 10 + 4 \\ & = (8 - 2) \times 10 + 4 \\ & = \underline{6 \times 10} + 4 \\ & = \underline{60 + 4} \\ & = 64 \end{aligned}$$

$$\begin{aligned} & (2 \times 6 + 5 - 10) \times 3 \\ & = (\underline{12 + 5} - 10) \times 3 \\ & = (\underline{17 - 10}) \times 3 \\ & = \underline{7 \times 3} \\ & = 21 \end{aligned}$$

$$\begin{aligned} & 4 + 10 \times (9 - 8 + 2) \\ & = 4 + 10 \times (\underline{1 + 2}) \\ & = 4 + \underline{10 \times 3} \\ & = \underline{4 + 30} \\ & = 34 \end{aligned}$$

$$\begin{aligned} & 3 \times (7 - 4 + 8) \times 2 \\ & = 3 \times (3 + 8) \times 2 \\ & = \underline{3 \times 11} \times 2 \\ & = \underline{33 \times 2} \\ & = 66 \end{aligned}$$

$$\begin{aligned} & (2 + 4) \times 5 - 3 + 9 \\ & = \underline{6 \times 5} - 3 + 9 \\ & = \underline{30 - 3} + 9 \\ & = \underline{27 + 9} \\ & = 36 \end{aligned}$$