

Order of Operations (D)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$(6 + 7) \times 2 - 9 + 10 - 4$$

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

$$(9 + 3) \times 6 - 10 - 8 + 4$$

$$7 \times 2 - 3 + 4 \times (9 - 5)$$

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

$$5 \times (9 + 8 - 10 - 6 + 2)$$

$$(5 - 3) \times 2 + 7 + 10 - 6$$

$$(8 + 7) \times (3 - 2 + 5 - 4)$$

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Simplify each expression using the correct order of operations.

$$\begin{aligned} & (6 + 7) \times 2 - 9 + 10 - 4 \\ & = 13 \times 2 - 9 + 10 - 4 \\ & = 26 - 9 + 10 - 4 \\ & = 17 + 10 - 4 \\ & = 27 - 4 \\ & = 23 \end{aligned}$$

$$\begin{aligned} & 9 \times (5 + 6 - 8 + 7 - 10) \\ & = 9 \times (11 - 8 + 7 - 10) \\ & = 9 \times (3 + 7 - 10) \\ & = 9 \times (10 - 10) \\ & = 9 \times 0 \\ & = 0 \end{aligned}$$

$$\begin{aligned} & (9 + 3) \times 6 - 10 - 8 + 4 \\ & = 12 \times 6 - 10 - 8 + 4 \\ & = 72 - 10 - 8 + 4 \\ & = 62 - 8 + 4 \\ & = 54 + 4 \\ & = 58 \end{aligned}$$

$$\begin{aligned} & 7 \times 2 - 3 + 4 \times (9 - 5) \\ & = 7 \times 2 - 3 + 4 \times 4 \\ & = 14 - 3 + 4 \times 4 \\ & = 14 - 3 + 16 \\ & = 11 + 16 \\ & = 27 \end{aligned}$$

$$\begin{aligned} & (5 - 4) \times (6 + 9 - 3 + 10) \\ & = 1 \times (6 + 9 - 3 + 10) \\ & = 1 \times (15 - 3 + 10) \\ & = 1 \times (12 + 10) \\ & = 1 \times 22 \\ & = 22 \end{aligned}$$

$$\begin{aligned} & 5 \times (9 + 8 - 10 - 6 + 2) \\ & = 5 \times (17 - 10 - 6 + 2) \\ & = 5 \times (7 - 6 + 2) \\ & = 5 \times (1 + 2) \\ & = 5 \times 3 \\ & = 15 \end{aligned}$$

$$\begin{aligned} & (5 - 3) \times 2 + 7 + 10 - 6 \\ & = 2 \times 2 + 7 + 10 - 6 \\ & = 4 + 7 + 10 - 6 \\ & = 11 + 10 - 6 \\ & = 21 - 6 \\ & = 15 \end{aligned}$$

$$\begin{aligned} & (8 + 7) \times (3 - 2 + 5 - 4) \\ & = 15 \times (3 - 2 + 5 - 4) \\ & = 15 \times (1 + 5 - 4) \\ & = 15 \times (6 - 4) \\ & = 15 \times 2 \\ & = 30 \end{aligned}$$