

Order of Operations (D)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

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

$$(9 - 5) \times 6 \div 4 + 2 - 7$$

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

$$(8 - 5 + 6 \div 3 \times 7) \times 4$$

$$6 + 2 \div (7 - 3 \times (10 - 8))$$

$$(9 + 4 - 10 \div (5 \times 2)) \times 8$$

$$(2 + 8 - 5) \times (6 \div 3) \div 10$$

$$6 \times 5 \div (4 + 10 - 2 + 3)$$

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

$$\begin{aligned} & (9 - 5) \times 6 \div 4 + 2 - 7 \\ &= 4 \times 6 \div 4 + 2 - 7 \\ &= 24 \div 4 + 2 - 7 \\ &= 6 + 2 - 7 \\ &= 8 - 7 \\ &= 1 \end{aligned}$$

$$\begin{aligned} & 5 \div (8 + 9 - 2 \times 3 - 10) \\ &= 5 \div (8 + 9 - 6 - 10) \\ &= 5 \div (17 - 6 - 10) \\ &= 5 \div (11 - 10) \\ &= 5 \div 1 \\ &= 5 \end{aligned}$$

$$\begin{aligned} & (8 - 5 + 6 \div 3 \times 7) \times 4 \\ &= (8 - 5 + 2 \times 7) \times 4 \\ &= (8 - 5 + 14) \times 4 \\ &= (3 + 14) \times 4 \\ &= 17 \times 4 \\ &= 68 \end{aligned}$$

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

$$\begin{aligned} & (9 + 4 - 10 \div (5 \times 2)) \times 8 \\ &= (9 + 4 - 10 \div 10) \times 8 \\ &= (9 + 4 - 1) \times 8 \\ &= (13 - 1) \times 8 \\ &= 12 \times 8 \\ &= 96 \end{aligned}$$

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

$$\begin{aligned} & 6 \times 5 \div (4 + 10 - 2 + 3) \\ &= 6 \times 5 \div (14 - 2 + 3) \\ &= 6 \times 5 \div (12 + 3) \\ &= 6 \times 5 \div 15 \\ &= 30 \div 15 \\ &= 2 \end{aligned}$$