

Order of Operations (A)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$(10 - 8) \times 3 + 6 \div 2 \times (9 + 7)$$

$$(9 \times 2) \div (3 + 10 - 6 - 5 + 7)$$

$$2 \times (6 - 5 + 4) \div (8 \div (7 - 3))$$

$$(3 \times 8) \div (7 + 4 - 2 - 5) \div 6$$

$$(5 \times 10) \div (8 + 9 - 6 + 3 - 4)$$

$$5 \div (7 - 6) \times (9 + 10) \times (4 - 3)$$

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Simplify each expression using the correct order of operations.

$$\begin{aligned} & (10 - 8) \times 3 + 6 \div 2 \times (9 + 7) \\ & = 2 \times 3 + 6 \div 2 \times (9 + 7) \\ & = 2 \times 3 + 6 \div 2 \times 16 \\ & = 6 + 6 \div 2 \times 16 \\ & = 6 + 3 \times 16 \\ & = 6 + 48 \\ & = 54 \end{aligned}$$

$$\begin{aligned} & (9 \times 2) \div (3 + 10 - 6 - 5 + 7) \\ & = 18 \div (3 + 10 - 6 - 5 + 7) \\ & = 18 \div (13 - 6 - 5 + 7) \\ & = 18 \div (7 - 5 + 7) \\ & = 18 \div (2 + 7) \\ & = 18 \div 9 \\ & = 2 \end{aligned}$$

$$\begin{aligned} & 2 \times (6 - 5 + 4) \div (8 \div (7 - 3)) \\ & = 2 \times (1 + 4) \div (8 \div (7 - 3)) \\ & = 2 \times 5 \div (8 \div (7 - 3)) \\ & = 2 \times 5 \div (8 \div 4) \\ & = 2 \times 5 \div 2 \\ & = 10 \div 2 \\ & = 5 \end{aligned}$$

$$\begin{aligned} & (3 \times 8) \div (7 + 4 - 2 - 5) \div 6 \\ & = 24 \div (7 + 4 - 2 - 5) \div 6 \\ & = 24 \div (11 - 2 - 5) \div 6 \\ & = 24 \div (9 - 5) \div 6 \\ & = 24 \div 4 \div 6 \\ & = 6 \div 6 \\ & = 1 \end{aligned}$$

$$\begin{aligned} & (5 \times 10) \div (8 + 9 - 6 + 3 - 4) \\ & = 50 \div (8 + 9 - 6 + 3 - 4) \\ & = 50 \div (17 - 6 + 3 - 4) \\ & = 50 \div (11 + 3 - 4) \\ & = 50 \div (14 - 4) \\ & = 50 \div 10 \\ & = 5 \end{aligned}$$

$$\begin{aligned} & 5 \div (7 - 6) \times (9 + 10) \times (4 - 3) \\ & = 5 \div 1 \times (9 + 10) \times (4 - 3) \\ & = 5 \div 1 \times 19 \times (4 - 3) \\ & = 5 \div 1 \times 19 \times 1 \\ & = 5 \times 19 \times 1 \\ & = 95 \times 1 \\ & = 95 \end{aligned}$$