

Order of Operations (B)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$(10 \div 2 - 5) \times 9 + 8 + 7$$

$$6 \times 4 + 3 \div (9 - 8 + 2)$$

$$(9 \times 3 + 8 - 4) \div (7 - 6)$$

$$9 - 2 + 6 \times 4 \div (5 - 3)$$

$$(10 \times 8) \div 4 + 7 - 5 + 3$$

$$(10 - 5 + 6) \div (2 \times 4 - 7)$$

$$5 - 6 \div ((2 \times 7 + 10) \div 4)$$

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

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$$\begin{aligned} & (\underline{10 \div 2} - 5) \times 9 + 8 + 7 \\ & = (\underline{5 - 5}) \times 9 + 8 + 7 \\ & = \underline{0 \times 9} + 8 + 7 \\ & = \underline{0 + 8} + 7 \\ & = \underline{8 + 7} \\ & = 15 \end{aligned}$$

$$\begin{aligned} & 6 \times 4 + 3 \div (\underline{9 - 8} + 2) \\ & = 6 \times 4 + 3 \div (\underline{1 + 2}) \\ & = \underline{6 \times 4} + 3 \div 3 \\ & = 24 + \underline{3 \div 3} \\ & = \underline{24 + 1} \\ & = 25 \end{aligned}$$

$$\begin{aligned} & (\underline{9 \times 3} + 8 - 4) \div (7 - 6) \\ & = (\underline{27 + 8} - 4) \div (7 - 6) \\ & = (\underline{35 - 4}) \div (7 - 6) \\ & = 31 \div (\underline{7 - 6}) \\ & = \underline{31 \div 1} \\ & = 31 \end{aligned}$$

$$\begin{aligned} & 9 - 2 + 6 \times 4 \div (\underline{5 - 3}) \\ & = 9 - 2 + \underline{6 \times 4} \div 2 \\ & = 9 - 2 + \underline{24 \div 2} \\ & = \underline{9 - 2} + 12 \\ & = \underline{7 + 12} \\ & = 19 \end{aligned}$$

$$\begin{aligned} & (\underline{10 \times 8}) \div 4 + 7 - 5 + 3 \\ & = \underline{80 \div 4} + 7 - 5 + 3 \\ & = \underline{20 + 7} - 5 + 3 \\ & = \underline{27 - 5} + 3 \\ & = \underline{22 + 3} \\ & = 25 \end{aligned}$$

$$\begin{aligned} & (\underline{10 - 5} + 6) \div (2 \times 4 - 7) \\ & = (\underline{5 + 6}) \div (2 \times 4 - 7) \\ & = 11 \div (\underline{2 \times 4} - 7) \\ & = 11 \div (\underline{8 - 7}) \\ & = \underline{11 \div 1} \\ & = 11 \end{aligned}$$

$$\begin{aligned} & 5 - 6 \div ((\underline{2 \times 7} + 10) \div 4) \\ & = 5 - 6 \div ((\underline{14 + 10}) \div 4) \\ & = 5 - 6 \div (\underline{24 \div 4}) \\ & = 5 - \underline{6 \div 6} \\ & = \underline{5 - 1} \\ & = 4 \end{aligned}$$

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