

Order of Operations (I)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$(7 + 5) \div 4 \times 9 - 2 - 8$$

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

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

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

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

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

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

$$7 + 2 - 10 \times 8 \div (4 + 6)$$

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$$\begin{aligned} & (7 + 5) \div 4 \times 9 - 2 - 8 \\ & = 12 \div 4 \times 9 - 2 - 8 \\ & = 3 \times 9 - 2 - 8 \\ & = 27 - 2 - 8 \\ & = 25 - 8 \\ & = 17 \end{aligned}$$

$$\begin{aligned} & 6 \times (10 + 9 - 8) \div (5 - 3) \\ & = 6 \times (19 - 8) \div (5 - 3) \\ & = 6 \times 11 \div (5 - 3) \\ & = 6 \times 11 \div 2 \\ & = 66 \div 2 \\ & = 33 \end{aligned}$$

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

$$\begin{aligned} & (8 - 4 \div 2) \times 6 + 7 \times 5 \\ & = (8 - 2) \times 6 + 7 \times 5 \\ & = 6 \times 6 + 7 \times 5 \\ & = 36 + 7 \times 5 \\ & = 36 + 35 \\ & = 71 \end{aligned}$$

$$\begin{aligned} & (9 \times 6 - 4) \div 10 + 7 + 2 \\ & = (54 - 4) \div 10 + 7 + 2 \\ & = 50 \div 10 + 7 + 2 \\ & = 5 + 7 + 2 \\ & = 12 + 2 \\ & = 14 \end{aligned}$$

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

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

$$\begin{aligned} & 7 + 2 - 10 \times 8 \div (4 + 6) \\ & = 7 + 2 - 10 \times 8 \div 10 \\ & = 7 + 2 - 80 \div 10 \\ & = 7 + 2 - 8 \\ & = 9 - 8 \\ & = 1 \end{aligned}$$