

Order of Operations (F)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$(2 + 10 - 5) \times 8 \div 7 + 4$$

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

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

$$(3 + 9 - 2) \times 7 \div 5 + 8$$

$$(6 - 2 + 8) \times (10 \div 5 + 4)$$

$$(3 + 5 \times 9) \div 2 - 7 - 8$$

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

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

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$$\begin{aligned} & (2 + 10 - 5) \times 8 \div 7 + 4 \\ & = (12 - 5) \times 8 \div 7 + 4 \\ & = 7 \times 8 \div 7 + 4 \\ & = 56 \div 7 + 4 \\ & = 8 + 4 \\ & = 12 \end{aligned}$$

$$\begin{aligned} & (9 + 3) \times 8 \div (6 - 2) \div 4 \\ & = 12 \times 8 \div (6 - 2) \div 4 \\ & = 12 \times 8 \div 4 \div 4 \\ & = 96 \div 4 \div 4 \\ & = 24 \div 4 \\ & = 6 \end{aligned}$$

$$\begin{aligned} & 2 \times (10 + 6 - 8) \div (7 + 9) \\ & = 2 \times (16 - 8) \div (7 + 9) \\ & = 2 \times 8 \div (7 + 9) \\ & = 2 \times 8 \div 16 \\ & = 16 \div 16 \\ & = 1 \end{aligned}$$

$$\begin{aligned} & (3 + 9 - 2) \times 7 \div 5 + 8 \\ & = (12 - 2) \times 7 \div 5 + 8 \\ & = 10 \times 7 \div 5 + 8 \\ & = 70 \div 5 + 8 \\ & = 14 + 8 \\ & = 22 \end{aligned}$$

$$\begin{aligned} & (6 - 2 + 8) \times (10 \div 5 + 4) \\ & = (4 + 8) \times (10 \div 5 + 4) \\ & = 12 \times (10 \div 5 + 4) \\ & = 12 \times (2 + 4) \\ & = 12 \times 6 \\ & = 72 \end{aligned}$$

$$\begin{aligned} & (3 + 5 \times 9) \div 2 - 7 - 8 \\ & = (3 + 45) \div 2 - 7 - 8 \\ & = 48 \div 2 - 7 - 8 \\ & = 24 - 7 - 8 \\ & = 17 - 8 \\ & = 9 \end{aligned}$$

$$\begin{aligned} & (4 \times 10) \div 5 + 7 - 6 \times 2 \\ & = 40 \div 5 + 7 - 6 \times 2 \\ & = 8 + 7 - 6 \times 2 \\ & = 8 + 7 - 12 \\ & = 15 - 12 \\ & = 3 \end{aligned}$$

$$\begin{aligned} & (7 - 10 \div 5) \times (4 + 6 + 9) \\ & = (7 - 2) \times (4 + 6 + 9) \\ & = 5 \times (4 + 6 + 9) \\ & = 5 \times (10 + 9) \\ & = 5 \times 19 \\ & = 95 \end{aligned}$$