

Order of Operations (E)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

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

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

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

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

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

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

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

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

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

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

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$$\begin{aligned} & (4 \times 8) \div (2 + 9 - 3) \\ &= 32 \div (2 + 9 - 3) \\ &= 32 \div (11 - 3) \\ &= \underline{32 \div 8} \\ &= 4 \end{aligned}$$

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

$$\begin{aligned} & (4 + 8) \div 3 \times 9 - 6 \\ &= \underline{12 \div 3} \times 9 - 6 \\ &= \underline{4 \times 9} - 6 \\ &= \underline{36 - 6} \\ &= 30 \end{aligned}$$

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

$$\begin{aligned} & (10 - 4) \times (8 + 2) \div 5 \\ &= 6 \times (8 + 2) \div 5 \\ &= \underline{6 \times 10} \div 5 \\ &= \underline{60 \div 5} \\ &= 12 \end{aligned}$$

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

$$\begin{aligned} & (3 \times 4 + 2 - 9) \div 5 \\ &= (\underline{12 + 2} - 9) \div 5 \\ &= (\underline{14 - 9}) \div 5 \\ &= \underline{5 \div 5} \\ &= 1 \end{aligned}$$

$$\begin{aligned} & (9 \div 3) \times 10 + 5 - 6 \\ &= \underline{3 \times 10} + 5 - 6 \\ &= \underline{30 + 5} - 6 \\ &= \underline{35 - 6} \\ &= 29 \end{aligned}$$

$$\begin{aligned} & (3 \times 6) \div (5 - 4 + 8) \\ &= 18 \div (5 - 4 + 8) \\ &= 18 \div (1 + 8) \\ &= \underline{18 \div 9} \\ &= 2 \end{aligned}$$

$$\begin{aligned} & (2 + 6 \times 5) \div (8 - 7) \\ &= (2 + 30) \div (8 - 7) \\ &= 32 \div (8 - 7) \\ &= \underline{32 \div 1} \\ &= 32 \end{aligned}$$