

Order of Operations (F)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$(9 + 2 - 10) \times 4^3$$

$$(3 \times 5) \div (7 - 6)^2$$

$$(6 \times 2^3) \div 8 + 7$$

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

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

$$(9 \times 8 + 2^2) \div 4$$

$$9 + 2 \div (7 - 6)^2$$

$$(6 - 5 + 8) \div 3^2$$

$$(4 \div 2) \times 3 + 5^2$$

$$(9 \div 3)^3 \times 2 - 6$$

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Simplify each expression using the correct order of operations.

$$\begin{aligned} & (9 + 2 - 10) \times 4^3 \\ & = (11 - 10) \times 4^3 \\ & = 1 \times 4^3 \\ & = 1 \times 64 \\ & = 64 \end{aligned}$$

$$\begin{aligned} & (3 \times 5) \div (7 - 6)^2 \\ & = 15 \div (7 - 6)^2 \\ & = 15 \div 1^2 \\ & = 15 \div 1 \\ & = 15 \end{aligned}$$

$$\begin{aligned} & (6 \times 2^3) \div 8 + 7 \\ & = (6 \times 8) \div 8 + 7 \\ & = 48 \div 8 + 7 \\ & = 6 + 7 \\ & = 13 \end{aligned}$$

$$\begin{aligned} & (4^3 \div (2 + 6)) \times 8 \\ & = (4^3 \div 8) \times 8 \\ & = (64 \div 8) \times 8 \\ & = 8 \times 8 \\ & = 64 \end{aligned}$$

$$\begin{aligned} & (4^2 - 5 + 10) \div 7 \\ & = (16 - 5 + 10) \div 7 \\ & = (11 + 10) \div 7 \\ & = 21 \div 7 \\ & = 3 \end{aligned}$$

$$\begin{aligned} & (9 \times 8 + 2^2) \div 4 \\ & = (9 \times 8 + 4) \div 4 \\ & = (72 + 4) \div 4 \\ & = 76 \div 4 \\ & = 19 \end{aligned}$$

$$\begin{aligned} & 9 + 2 \div (7 - 6)^2 \\ & = 9 + 2 \div 1^2 \\ & = 9 + 2 \div 1 \\ & = 9 + 2 \\ & = 11 \end{aligned}$$

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

$$\begin{aligned} & (4 \div 2) \times 3 + 5^2 \\ & = 2 \times 3 + 5^2 \\ & = 2 \times 3 + 25 \\ & = 6 + 25 \\ & = 31 \end{aligned}$$

$$\begin{aligned} & (9 \div 3)^3 \times 2 - 6 \\ & = 3^3 \times 2 - 6 \\ & = 27 \times 2 - 6 \\ & = 54 - 6 \\ & = 48 \end{aligned}$$