

Order of Operations (B)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$(8 - 6)^2 \times 7$$

$$3^2 \times 4 + 6$$

$$10 + 3^3 \div 9$$

$$(9 - 2^3) \times 5$$

$$6^2 + 7 \times 2$$

$$6^2 \div 2 - 4$$

$$9 \times 8 + 3^2$$

$$(5^2 + 10) \times 2$$

$$(7 + 10) \times 2^2$$

$$7 \times (4^2 - 2)$$

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Simplify each expression using the correct order of operations.

$$\begin{aligned} & (8 - 6)^2 \times 7 \\ &= 2^2 \times 7 \\ &= 4 \times 7 \\ &= 28 \end{aligned}$$

$$\begin{aligned} & 3^2 \times 4 + 6 \\ &= 9 \times 4 + 6 \\ &= 36 + 6 \\ &= 42 \end{aligned}$$

$$\begin{aligned} & 10 + 3^3 \div 9 \\ &= 10 + 27 \div 9 \\ &= 10 + 3 \\ &= 13 \end{aligned}$$

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

$$\begin{aligned} & 6^2 + 7 \times 2 \\ &= 36 + 7 \times 2 \\ &= 36 + 14 \\ &= 50 \end{aligned}$$

$$\begin{aligned} & 6^2 \div 2 - 4 \\ &= 36 \div 2 - 4 \\ &= 18 - 4 \\ &= 14 \end{aligned}$$

$$\begin{aligned} & 9 \times 8 + 3^2 \\ &= 9 \times 8 + 9 \\ &= 72 + 9 \\ &= 81 \end{aligned}$$

$$\begin{aligned} & (5^2 + 10) \times 2 \\ &= (25 + 10) \times 2 \\ &= 35 \times 2 \\ &= 70 \end{aligned}$$

$$\begin{aligned} & (7 + 10) \times 2^2 \\ &= 17 \times 2^2 \\ &= 17 \times 4 \\ &= 68 \end{aligned}$$

$$\begin{aligned} & 7 \times (4^2 - 2) \\ &= 7 \times (16 - 2) \\ &= 7 \times 14 \\ &= 98 \end{aligned}$$