

Order of Operations (C)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$(7 - 6 + 2)^2 \times 5$$

$$(4^2 + 3) \times (10 - 8)$$

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

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

$$(6^2 + 9) \div (10 - 5)$$

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

$$(2^3 - 5 + 7) \div 10$$

$$(4 + 6 - 2^3) \times 3$$

$$(3^2 - 9) \div 8 + 10$$

$$5 \div (4 \times 2 - 7)^3$$

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Simplify each expression using the correct order of operations.

$$\begin{aligned} & (7 - 6 + 2)^2 \times 5 \\ &= (1 + 2)^2 \times 5 \\ &= 3^2 \times 5 \\ &= 9 \times 5 \\ &= 45 \end{aligned}$$

$$\begin{aligned} & 2^2 \times (9 - 7 + 6) \\ &= 2^2 \times (2 + 6) \\ &= 2^2 \times 8 \\ &= 4 \times 8 \\ &= 32 \end{aligned}$$

$$\begin{aligned} & (6^2 + 9) \div (10 - 5) \\ &= (36 + 9) \div (10 - 5) \\ &= 45 \div (10 - 5) \\ &= 45 \div 5 \\ &= 9 \end{aligned}$$

$$\begin{aligned} & (2^3 - 5 + 7) \div 10 \\ &= (8 - 5 + 7) \div 10 \\ &= (3 + 7) \div 10 \\ &= 10 \div 10 \\ &= 1 \end{aligned}$$

$$\begin{aligned} & (3^2 - 9) \div 8 + 10 \\ &= (9 - 9) \div 8 + 10 \\ &= 0 \div 8 + 10 \\ &= 0 + 10 \\ &= 10 \end{aligned}$$

$$\begin{aligned} & (4^2 + 3) \times (10 - 8) \\ &= (16 + 3) \times (10 - 8) \\ &= 19 \times (10 - 8) \\ &= 19 \times 2 \\ &= 38 \end{aligned}$$

$$\begin{aligned} & 4 + 7^2 \div (6 - 5) \\ &= 4 + 7^2 \div 1 \\ &= 4 + 49 \div 1 \\ &= 4 + 49 \\ &= 53 \end{aligned}$$

$$\begin{aligned} & (4^2 - 8 + 10) \div 6 \\ &= (16 - 8 + 10) \div 6 \\ &= (8 + 10) \div 6 \\ &= 18 \div 6 \\ &= 3 \end{aligned}$$

$$\begin{aligned} & (4 + 6 - 2^3) \times 3 \\ &= (4 + 6 - 8) \times 3 \\ &= (10 - 8) \times 3 \\ &= 2 \times 3 \\ &= 6 \end{aligned}$$

$$\begin{aligned} & 5 \div (4 \times 2 - 7)^3 \\ &= 5 \div (8 - 7)^3 \\ &= 5 \div 1^3 \\ &= 5 \div 1 \\ &= 5 \end{aligned}$$