

What Is Evaluating Numerical Expressions Using Order of Operations?

- A numerical expression is a phrase which represents a number:

- 25 increased by 33 $\rightarrow 25 + 33 = 58$
- 50 decreased by 34 $\rightarrow 50 - 34 = 16$

- Two-thirds of 12 $\rightarrow \frac{2}{3} \times 12 = 8$

- S on:



PREVIEW

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- Complete the operations inside the parentheses
- Simplify all exponents
- Multiply or divide from left to right
- Add or subtract from left to right

How to evaluate numerical expressions using order of operations:

- Numerical expressions often require more than one step, for instance, $5 \times (18 \div 3)$.
- Work from left to right to solve a multi-step problem.

- $124 \div 4 - 15 \rightarrow 31 - 15 = 16$

- Simplify all operations inside parentheses first:

- $135 - (42 \times 3) \rightarrow 135 - 126 = 9$



PREVIEW

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$10^2 \times (54 \div 9)$ _____

$125 - (2 + 9) - 4$ _____

$(3^2 \times 6) \div 3$ _____

$56 \div 8 - 9$ _____

$7^2 - (49 \div 7)$ _____