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# MATHESIS UNIVERSALIS

Mathematics is [an](#) ideographic [language](#) which uses the symbols to define the real [life](#) problems and situations.

In terms of Geometry , mathematics is more of [an](#) art than science which deals with the shape and sizes of objects but in [an](#) abstract and very precise manner. But to study something u need a [language](#) , so mathematics is the [language](#) of signs.

- [LOGIC](#)
- [NUMBERS](#)
- [MEASURE](#)

Mathematical [language](#) is quite complex but brief [language](#) which can reduce a large amount of sentences in to just a simple equation.

Some of the ideographic sentences we use in physics , chemistry and mathematics in our day to day [life](#).

- Situations in our universe expressed
  - in terms of [equations](#)
    - more general
      - Terms of particles or numbers
        - mathematical or mental
          - Hypothetical thinking
            - Probability
          - hypothetical [action](#)
            - function
          - Hypothetical motion
            - quadratic equations
            - addition
            - multiplication
            - division
              - simple equation
                - Ratio
                - rate
          - subtraction
    - physical situations
      - [list of physics equations](#)
      - more abstract
        - direction
          - [list of relativistic equations](#)
          - vector
        - motion
          - kinematics
      - Elemental or waves
        - [list of equations in wave theory](#)
        - [light](#)
          - [light](#)
            - [list of optics equations](#)

- [Sound](#)
  - [Sound waves](#)
- [heat](#)
  - [thermodynamic](#)
  - [list of thermodynamic equations](#)
- [magnetic](#)
  - [List of electromagnetism equations](#)
  - [gravitational](#)
    - [list of equations in gravitation](#)
- [electricity](#)
- [liquid](#)
  - [list of equations in fluid mechanics](#)
- [gas](#)
- [solid](#)
  - [classical mechanics](#)
    - [list of equations in classical mechanics](#)
- [chemical or molecular](#)
  - [list of equations in quantum mechanics](#)
  - [list of equations in nuclear and particle physics](#)

## MATHEMATICAL SYMBOLS

### Mental Mathematics

- [mental maths](#)

### Basic math symbol

- [MATHEMATICS](#)

### Geometry symbols

- [GEOMETRY](#)

### Algebra symbols

- [ALGEBRA](#)

### Probability and statistics symbols

- [PROBABILITY AND STATISTICS](#)

## Combinatorics Symbols

- [ARS COMBINATORIA](#)

## set theory symbols

- [SET THEORY SYMBOLS](#)

## logic symbols

- [LOGIC](#)

## calculus and analysis symbols

- [CALCULUS AND ANALYSIS](#)

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