Kshtrgyn - https://mail.mantrakshar.co.in/

## **Table of Contents**

2D SCIENCE	·	3

1/4

## **2D SCIENCE**

- CATEGORY OF FORMS
  - two dimensional
- CATEGORY OF NUMBERS
  - two
  - second
  - twice
  - half
  - dyad
  - secondary
  - two loop
- natural Geography , man made lands and kingdoms
- form , anatomy , organic Infrastructure , artificial infrastructure

## **2D REPRESENTATIONS**

- 1. Area-based representations:
  - Squares/Circles: Draw squares or circles of increasing size to represent larger numbers. The area of the shape corresponds to the number's value.
  - Pie Charts: Divide a pie chart into wedges, with each wedge representing a portion of the total number. This is useful for proportions or percentages.
- 2. Line-based representations:
  - Number Line: The classic number line is a great 2D representation. Numbers are marked at equal intervals on a line, with the distance from a reference point indicating the value.
  - Line Segments: Draw lines of increasing length to represent numbers. The length of the line segment corresponds to the number's value.
- 3. Shading/Density variations:
  - Grayscale/Color Gradient: Use a gradual shift from light to dark (grayscale) or a color spectrum to represent increasing numbers. Darker shades or specific colors in the spectrum could indicate larger values.
  - Dot Density: Fill a fixed area with dots. The density of the dots (more dots for larger numbers) represents the number's value.
- 4. Symbol variations:
  - Modified symbols: Take existing number symbols (digits or numerals) and modify them visually (size, thickness, color) to represent increasing values.
  - $\circ\,$  Custom symbols: Design unique 2D symbols for each number, creating a visual code for quantity.
- 5. Text and symbol combinations:
  - Scientific Notation: Combine a base number with an exponent displayed as a superscript. This is a compact way to represent very large or small numbers in 2D space.
  - Combined symbols: Pair number symbols with additional visual elements like arrows pointing upwards for increasing values or brackets to group related numbers.

From: https://mail.mantrakshar.co.in/ - **Kshtrgyn** 

Permanent link: https://mail.mantrakshar.co.in/doku.php/en/2\_science



Last update: 2024/07/16 16:39