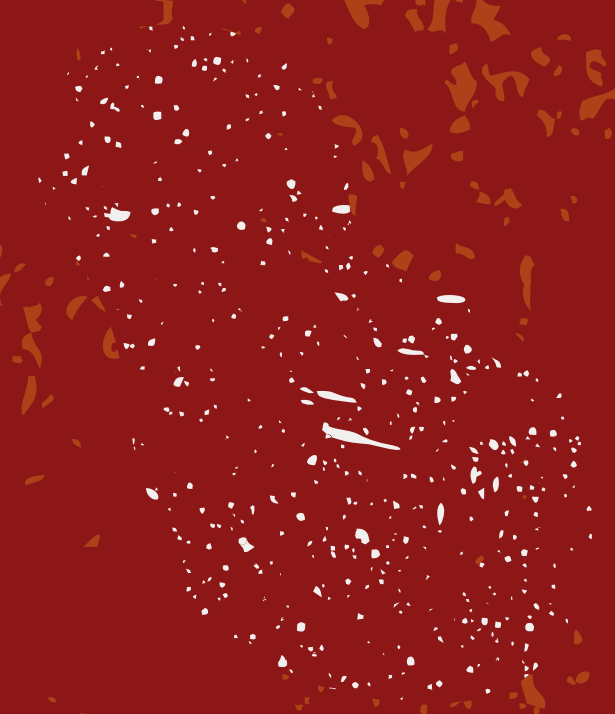


# SQUARE NUMBERS

Discover the magic of **perfect squares** in  
math!





# OVERVIEW OF SQUARE NUMBERS

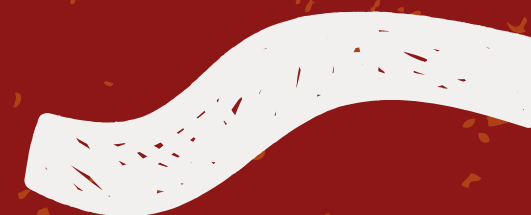
This presentation explores the **fundamentals of square numbers**, their formulas, examples, and real-life applications to enhance student understanding and engagement.

## DEFINITION

- A square number is perfect
- Product of a number multiplied
- Examples include 1, 4, 9, 16

## FORMULA

- $n^2 = n \times n$  for whole numbers
- Squares are calculated easily
- Understanding leads to deeper concepts



# SQUARE NUMBER EXAMPLES



$2^2 = 4$ ; it's the square of two.



$3^2 = 9$ ; multiplying three by itself.



$5^2 = 25$ ; five times five equals twenty-five.



$10^2 = 100$ ; ten multiplied by ten yields one hundred.



# GAP PATTERN

Consecutive squares differ by odd numbers

Each gap increases sequentially by 2

Example:  $1^2=1$ ,  $2^2=4$ , gap is 3

# ENDING DIGITS

Square numbers end with digits 0, 1, 4

The last digits form a distinct pattern

Observe 0, 1, 4, 5, 6, 9



# REAL-LIFE APPLICATIONS OF SQUARE NUMBERS



## Geometry and Area

Area calculations are  
simplified

Square numbers help calculate the  
area of **squares and rectangles**  
efficiently.



## Tiles and Flooring

Arranging tiles made easy

Using square numbers, you can  
determine how many tiles fit in a  
**design layout.**

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