Mathematics Online Class X On 21-06-2021

ARITHMETIC SEQUENCE

Click

- **Natural Numbers (Counting Numbers)**

  1, 2, 3, 4, 5, ...

- **Even Numbers**

  2, 4, 6, 8, 10, ...

- **Odd Numbers**

  1, 3, 5, 7, 9, 11, ...

- **Multiples of 5**

  5, 10, 15, 20, 25, ...

- **Counting numbers ending with 1**

  1, 11, 21, 31, 41, 51, ...

- **Counting numbers ending with 0**

  10, 20, 30, 40, ...

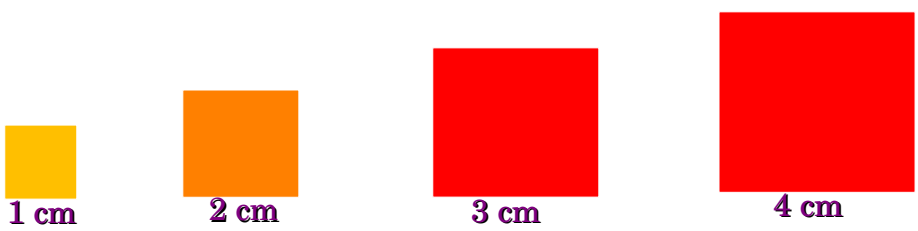
- **Numbers which leave remainder 1 when divided by 3**

  1, 4, 7, 10, 13, ...

- **Perfect Squares**

  1, 4, 9, 16, 25, 36, ...

- **Consider the following squares**



Writing the side, perimeter and area of the above squares we have

Side : 1cm, 2cm, 3cm, 4cm, ...

Perimeter : 4 × 1, 4 × 2, 4 × 3, 4 × 4, ...
4cm, 8cm, 12cm, 16cm , ...

Perimeter = 4 × side

Area : 1 × 1, 2 × 2, 3 × 3, 4 × 4, ...
$1cm^2$, $4cm^2$, $9cm^2$, $16cm^2$, ...

Area = side × side

From above we can say

A group of numbers written like this as 1 st , 2 nd ,3 rd ,4 th and so on using a particular condition is called a Number Sequence