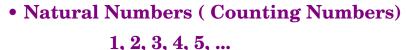
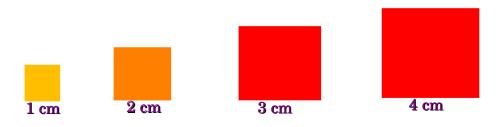
Mathematics Online Class X On 21-06-2021 ARITHMETIC SEQUENCE Click



- 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 = $4 \times \text{side}$

Area : 1×1 , 2×2 , 3×3 , 4×4 , ...

 $1 \mathrm{cm}^2$, $4 \mathrm{cm}^2$, $9 \mathrm{cm}^2$, $16 \mathrm{cm}^2$, ...

 $Area = side \times side$

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