(Learning Time 2 Hours)

Number Patterns

1.1 Number Patterns and terms of a number pattern

- When numbers are written in a certain order according to a specific method or rule, starting from a certain number, it is called a number pattern.

- Every number in a given number pattern is called a term of the number pattern. The first term of a number pattern is called the first term and the following numbers in order are called the second term, third term, fourth term, etc. Commas are used to separate the terms of a number pattern.

- Explain about the finite number pattern and infinite number pattern giving an example for each pattern, by studying the pages no: 1 and 2

- Do the exercise 1.1

1.2 The general term of a number pattern.

- When the nth term of a number pattern is written as an algebraic expression in n, it is called the general term of the number pattern.

  Let's consider the even number pattern 2, 4, 6, 8, …

  First term $2 \times 1 = 2$

  Second term $2 \times 2 = 4$

  Third term $2 \times 3 = 6$

  n^{th} term $2 \times n = 2n$

- Find the general terms of the number patterns of multiples of 3, multiples of 4 and multiples of 7, by studying the pages no: 4 and 5.

- Do the exercise 1.2 by studying the pages no: 6 and 7.