



Exemplar 11 :

Number Patterns – Fibonacci Sequence (2)

- Objectives :** (1) To investigate the pattern of numbers in Fibonacci sequence
(2) To use algebraic symbols to represent the pattern

Key Stage : 3

Learning Unit : Formulating Problems with Algebraic Language

Materials Required : Overhead projector, transparencies, markers and worksheets

- Prerequisite Knowledge :** (1) The four basic arithmetic operations of integers
(2) The functional notation

Description of the activity :

1. The teacher distributes the worksheet to students.
2. With the aid of transparencies, the teacher describes the problem in the worksheet to students:
3. The teacher asks students to complete the worksheet.
4. Students are invited to explain how they obtain their answers orally.
5. The teacher comments on the answers.