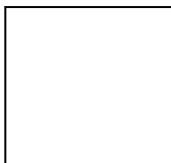
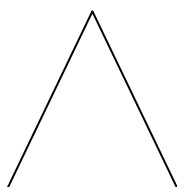


Chapter 5: Arithmetic Progressions

QUESTIONS:

1. Differentiate Sequence and series?
2. Have you ever noticed the height of each floor of a Building above Ground floor?
- 3.



For the above given triangle, quadrilateral and pentagon, can you say the sum of all the interior angles?
Do they form any particular pattern?

ANSWER GUIDE:

Think About

1. Can you give a few examples of patterns you have already encountered?
2. In which of the following situations, does the list of numbers involved make an Arithmetic Progression and why?
 - a) Saving regular amounts
 - b) Interest calculated using simple Interest formula
 - c) Heights of buildings where each floor above the ground floor is the same height.

EXPERIENTIAL LEARNING:

Activity:

Identify an A.P using a jumping paper frog.

To Identify whether the sequence is an A.P or not .

Materials Required:

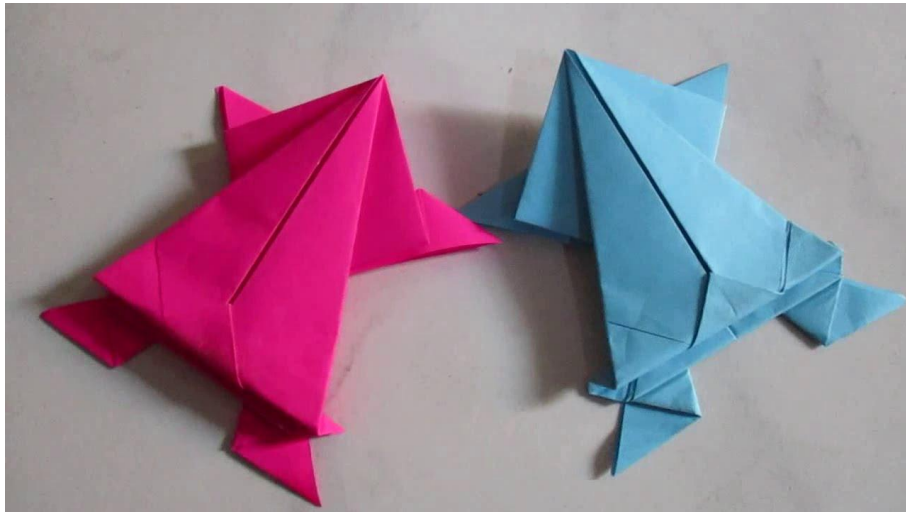
Organic Papers, measuring tape, notebook and pencil.

Procedure:

1. Students can be divided into groups of five.
2. Each group will make a jumping paper frog.
3. The paper frogs will be made to jump 5 times and the distance of each jump will be recorded to the nearest centimeter.
4. From the measurements recorded, students will identify whether they form an A.P or not.

Learning Outcomes:

Students will be able to identify the Arithmetic Progression from any sequence of numbers.



<https://www.youtube.com/watch?v=2dxXulhKt3c>