



**Basic Patterns** 

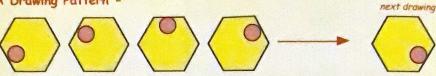
Revision

Be able to spot and continue a simple pattern

Mathematicians like to look for rules for patterns in drawings and in sets of numbers.

This helps them decide how to continue the pattern or the set of numbers.

Examples :- A Drawing Pattern -



A Letter Pattern :-

next letter

P, R, T, V, X, ...... Z

A Number Pattern :-

next number

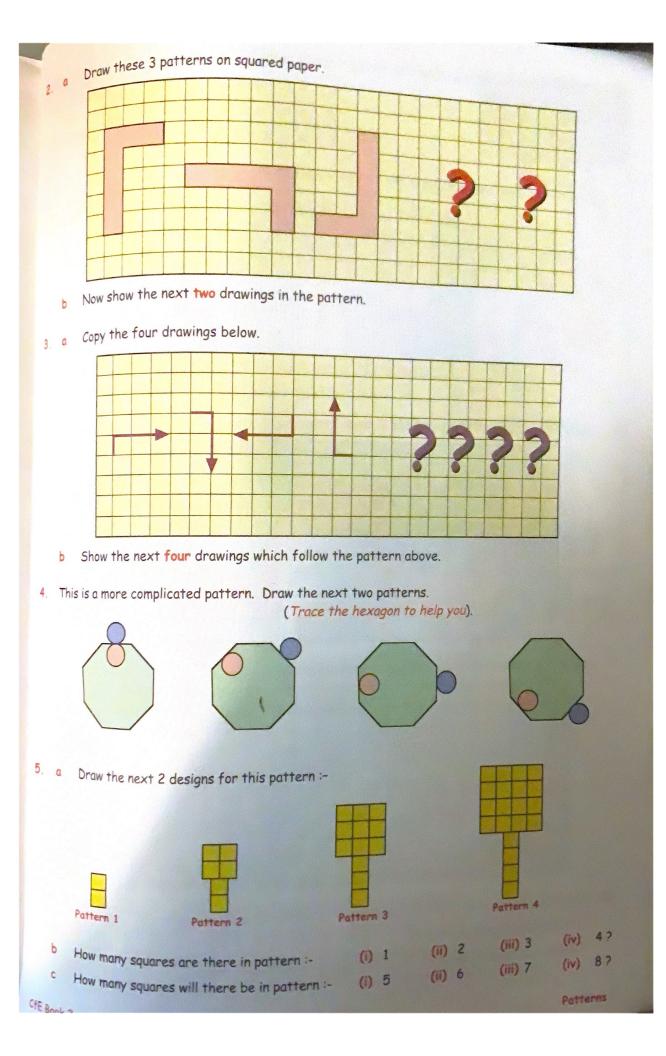
4, 9, 14, 19, 24, ......

29

Discuss how the patterns are formed in the above 3 examples.

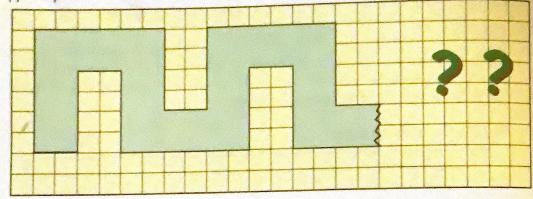
## Exercise 1

1. Show the next 2 drawings in each of these pattern (neatly).

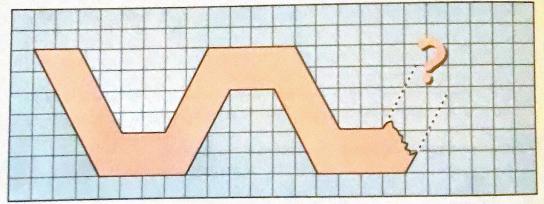


- 6. Copy each pattern of letters and find the next letter in the pattern.
  - a G, I, K, M, O, ...
  - c G, F, E, D, C, ...
  - e L, J, H, F, ...

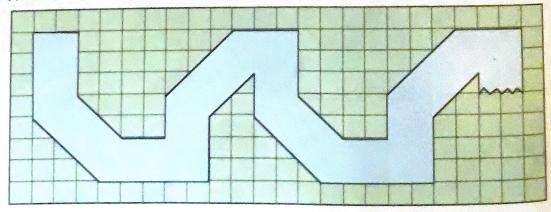
- b C, F, I, L, O, ...
- d a, e, i, o, ...
- f A, Z, B, Y, C, X, ...
- 7. Copy this pattern and continue it for 2 more cycles.



8. Copy this pattern carefully and add 2 more cycles.



9. Copy this pattern carefully and add 2 more cycles.



10. Patterns like the ones shown in Questions 8-10 often occur in wallpaper.

The patterns repeat themselves.

Design and colour a neat pattern which repeats itself 4 or 5 times.