

## Growing patterns can be represented in various ways.

Numeric Representation: 5, 8, 11, 14, 17...

Pattern Rule:

- a) Recursive Thinking: Start at 5 and add 3 to get the next number in the pattern.
- b) Functional Thinking:  $3 \times$  the term number  $+ 2$
- c) Algebraic Equation:  $t = 3n + 2$  (Symbolic Representation)

Concrete or Pictorial:

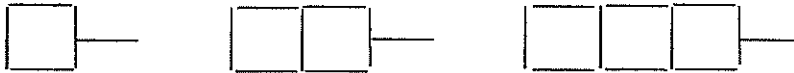
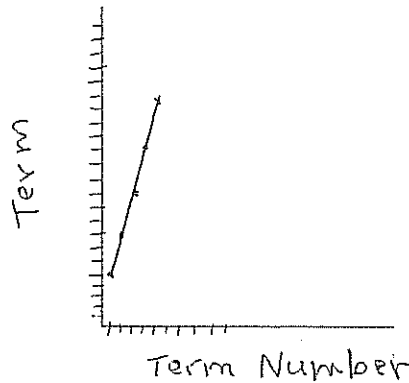


Table of Values:

Term Number	Term
1	5
2	8
3	11
4	14
5	17

Graphical Representations:



Word Problems and Stories:

To earn money for a school trip, Patrick is opening up a photography business. He charges a \$2 sitting fee and \$3 for every package ordered.

His first customer is Mrs. Smith. Mrs. Smith really likes the photos and she orders 5 packages.

How much does it cost Mrs. Smith?