

BCM SCHOOL, BASANT AVENUE, DUGRI, LUDHIANA.

CLASS – VI (MATHEMATICS)

ASSIGNMENT- CHAPTER 1

PATTERNS IN MATHEMATICS

HINTS AND SOLUTIONS

SECTION-A (MULTIPLE CHOICE QUESTIONS)	
1	(c) Pictures
2	(c) Triangular Numbers
3	(b) Both A and R are true but R is not the correct explanation of A.
SECTION-B (2 MARKS QUESTIONS)	
5	Hint: 64 can be written as 8×8 . Thus, it can be shown by dots (8 rows and 8 columns)
SECTION – C (3 MARKS QUESTIONS)	
7	If dots arrangement of a number is represented in triangle as well as in square, then the number is called both triangular as well as square number or square- triangular number. Here, 15 is a triangular number but not a square number.
SECTION – D (5 MARKS QUESTIONS)	
9	A sequence of numbers in which each number (starting from the third term) is the sum of the two preceding ones. For example: 1, 2, 3, 5, 8, 13, 21, 34, 55, ...
SECTION – E (CASE STUDY)	
10	(a) The number pattern represented by Rima's arrangement is: 1, 3, 6, ..., which are triangular numbers. Diva's arrangement represents the pattern: 1, 4, 9, ..., which are square numbers. (b) The next triangular numbers are 10 and 15. (c) The next square number is 16.