

**BCM SCHOOL, BASANT AVENUE, DUGRI, LUDHIANA.**  
**CLASS – VI (MATHEMATICS)**  
**ASSIGNMENT**  
**CHAPTER 1 : PATTERNS IN MATHEMATICS**  
**CHAPTER 7 : FRACTIONS**  
**HINTS AND SOLUTIONS**

**SECTION-A (MULTIPLE CHOICE QUESTIONS)**

1	(a) 28
2	(c) Triangular Numbers
3	(a) Both A and R are true and R is the correct explanation of A.

**SECTION-B (2 MARKS QUESTIONS)**

4	a. Simplest form : $14/25$ b. $\frac{8}{5} > \frac{8}{7}$
5	Square number 64 using dots: Draw an $8 \times 8$ grid of dots

**SECTION - C (3 MARKS QUESTIONS)**

6	Next three numbers a) 1, 3, 6, 10, 15, ... Triangular Numbers: add 6, 7, 8 → 21, 28, 36 b) 1, 2, 3, 5, 8, ... Fibonacci Numbers: add previous two → 13, 21, 34 c) 1, 8, 27, 64, 125, ... Cubes: 216, 343, 512
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**SECTION - E ( CASE STUDY)**

10	a) Rima shows Triangular numbers. Diva shows square numbers b) Rima's next two: If current is 1, 3, 6, 10... then next are 15, 21 c) Diva's next two : If current is 1, 4, 9, 16... then next are 25, 36
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