



B.K. BIRLA CENTRE FOR EDUCATION

SARALA BIRLA GROUP OF SCHOOLS
A CBSE DAY-CUM-BOYS' RESIDENTIAL SCHOOL

PERIODIC TEST-1 (2025-26)

MATHEMATICS

Class: VI

Date: 01.07.25

Admission no:

Time: 1 hr.

Max Marks: 25

Roll no:

General Instructions:

- This question paper consists of three sections
- Section A consists of multiple-choice questions of 1 mark each. Section B consists of 2 questions and Section C consists of 3-mark questions.
- Attempt all questions. All answers must be correctly numbered as in the question paper and written in the answer sheet.
- Write neatly and draw diagrams wherever necessary.

Section A

Choose the correct answer:

1 x 5 = 5

1. $1 + 3 + 5 + \underline{\quad} + 9 + 11$
(a) 10 (b) 6 (c) 7 (d) 8
2. A _____ polygon is a shape with all sides and angles equal.
(a) regular (b) side (c) line (d) irregular
3. _____ numbers can be represented as dots forming a perfect square.
(a) triangular (b) hexagonal (c) square (d) none of these
4. An angle of exactly 90° is called a _____ angle.
(a) straight (b) acute (c) Obtuse (d) right
5. A line segment has _____ endpoints.
(a) no (b) two (c) one (d) three

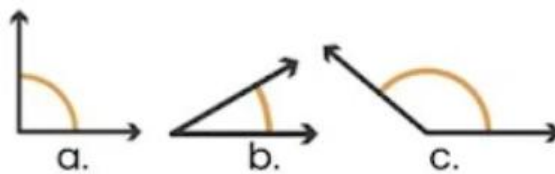
Section B

Do as directed

2 x 4 = 8

6. The number 36 can be both a square number and a triangular number. Make picture and illustrate.
7. If you add up the first 6 odd numbers, what square number do you get?
8. What is the measure of an angle that is three times the measure of a right angle?

9. Identify the type of angles and name them.



Section C

Solve the following

3 x 4 = 12

10. Riya is stacking books in a pyramid shape. The first row has 1 book, the second has 3, the third has 6. If she continues this pattern, how many books will be in the fifth row?
11. Draw a line segment of 5 cm. At its midpoint, draw a perpendicular line segment of 4 cm. What type of angle is formed between the two line segments?
12. Draw angles with the following degree measures:
a. 60° b. 45° c. 180°
13. Identify the patterns and write the next three numbers to complete the given patterns.
(a) 1, 3, 6, 10, 15,,,
(b) 1, 4, 9, 16, 25, ..., ...,
(c) 1, 8, 27, 64, 125, ..., ...,
