



B.K. BIRLA CENTRE FOR EDUCATION

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

PERIODIC TEST-1 (2026-27)

MATHEMATICS

SET-1 **MARKING SCHEME**

Class: VI

Date: 16.06.26

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 marks 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

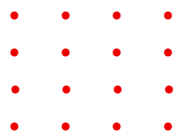
1. $2 + 4 + 6 + \underline{\quad} + 10 + 12$
(a) 7 (b) 8 (c) 9 (d) 6
2. A _____ polygon has all sides equal but angles may not be equal.
(a) regular (b) irregular (c) straight (d) closed
3. _____ numbers can be arranged in the shape of a triangle.
(a) square (b) triangular (c) even (d) prime
4. An angle greater than 90° but less than 180° is called a _____ angle.
(a) acute (b) right (c) obtuse (d) straight
5. A ray has _____ endpoint(s).
(a) no (b) one (c) two (d) three

Section B

Do as directed

2 x 4 = 8

6. The number 16 is a square number. Draw a dot diagram to show it.



7. Find the sum of the first 5 even numbers. What type of number do you get?

Even numbers:

2, 4, 6, 8, 10

Add them:

$$2 + 4 + 6 + 8 + 10 = 30$$

30 is an even number

Answer: 30 (Even number)

8. What is the measure of an angle that is twice a right angle?

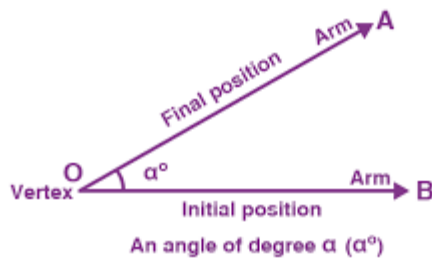
Right angle = 90°

So:

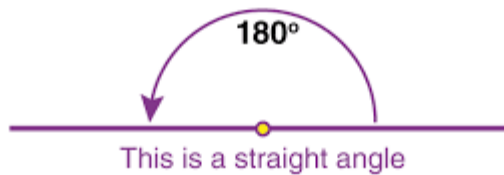
$$2 \times 90^\circ = 180^\circ$$

This is a straight angle

9. Draw and name:
(a) an acute angle



- (b) a straight angle



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Section C

Solve the following

$$3 \times 4 = 12$$

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?

1st row $\rightarrow$ 1

2nd row $\rightarrow$ 3

3rd row $\rightarrow$ 6

Now check how the numbers are increasing:

1 $\rightarrow$ 3 (added 2)

3 $\rightarrow$ 6 (added 3)

So the pattern is:

Keep adding the next number (2, 3, 4, 5, ...)

4th row = $6 + 4 = 10$

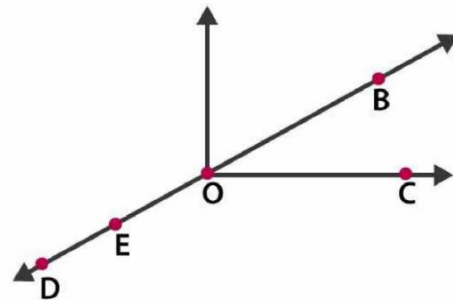
5th row = $10 + 5 = 15$

There will be 15 books in the fifth row.

5th row = $1 + 2 + 3 + 4 + 5 = 15$

11. By using following figure write

- all the points .D,E,O,C,B.
- A line : DB
- Two rays with initial point : OD, OC
- Two-line segments: BE, DE



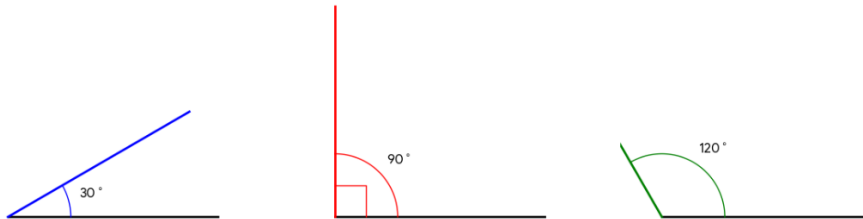
12. Draw angles with the following degree measures:

- a. 30° (b) 90° (c) 120°

a. 30° (Acute)

b. 90° (Right)

c. 120° (Obtuse)



13. Identify the patterns and write the next three numbers to complete the given patterns.

- 1, 3, 6, 10, 15, 21, 28, 36
- 1, 4, 9, 16, 25, 36, 49, 64
- 1, 8, 27, 64, 125, 216, 343, 512