B.K. BIRLA CENTRE FOR EDUCATION

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

PERIODIC TEST-2 (2025-26)
MATHEMATICS

Class: VI   **Time: 1 hr.**
Date: 07.11.25   **Max Marks: 25**
Admission no: **Roll no:**

General Instructions:
- This question paper consists of five sections
- Section A consists of multiple-choice questions of 1 mark each. Section B consists of 2-mark 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.
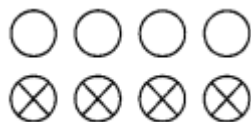

A. Choose the correct answer: **1 x 5 = 5**

1. Perimeter of an equilateral triangle =
(a) 2 × Length   (b) 3 × Length   (c) 4 × Length   (d) 6 × Length

2. The area of a rectangle of length 2 cm and breadth 1 cm is
(a) 2 cm²   (b) 1 cm²   (c) 4 cm²   (d) 8 cm²

3. The length of boundary of a plane figure is called _____
(a) area   (b) perimeter   (c) length   (d) breadth

4. The fractions with the same denominator is called _____ fraction.
(a) Unit   (b) Unlike   (c) Like   (d) Improper

5. The simplest form of $\frac{16}{64}$ is _____
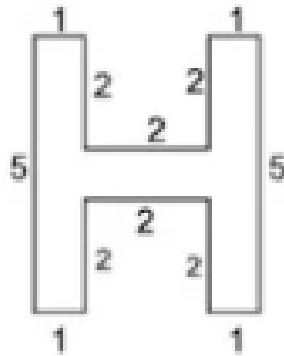(a) $\frac{2}{9}$ (b) $\frac{1}{5}$ (c) $\frac{1}{2}$ (d) $\frac{1}{4}$

B. Do as directed   **2 x 4 = 8**

6. Calculate the perimeter and area of a square with a side length of 5 units.

7. Write the following mixed numbers as improper fractions: a. $3\frac{1}{4}$ b. $7\frac{2}{3}$

8. What fraction of these circles has X's in them?

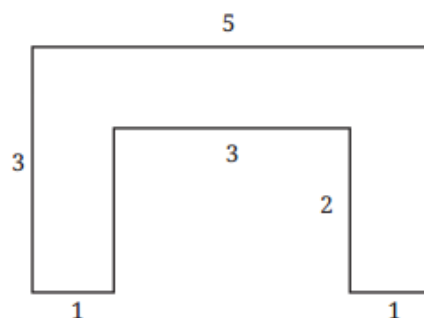9. Find the perimeter of the following figure: (measures are given in cm)

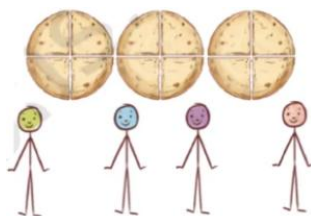**C. Solve the following**   **3 x 4 = 12**

10. A farmer has a rectangular field of length 230 m and breadth 160 m.
He wants to fence it with rounds of rope as shown. What is the total length of rope needed?

11. By splitting the following figure into rectangles, find their areas (all measures are given in meters):

12. Three rotis are shared equally by four children. Show the division in the picture and write a fraction for how much each child gets. Also, write the corresponding division facts, addition facts and multiplication facts.

13. Write the following fractions in ascending order: $\frac{7}{10}, \frac{1}{15}, \frac{2}{5}, \frac{3}{10}, \frac{4}{5}$

****ALL THE BEST****