B.K. BIRLA CENTRE FOR EDUCATION

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

PERIODIC TEST-2 (2025-26)
MATHEMATICS (041) MARKING SCHEME

Class: IV | Duration: 1 Hrs.
Date: 06.11.2025 | Max. Marks:25
Admission No : | Roll No.:

General Instructions:
Questions 1 to 5 are 1 mark each.
Questions 6 to 9 are of 2 marks each.
Questions 10 and 13 are of 3 marks each.

SECTION-A $(5 \times 1 = 5)$

Choose the correct answer. (Each correct answer 1 mark)

1) The total length of the boundary of an object is called _____.

(a) Perimeter (b) area (c) volume (d) None of these

2) Perimeter of a square = _____.

(a) 2 × side (b) side × side **(c) 4 × side** (d) None of these

3) The factors of 15 are

(a) 1, 3, 4, 5 (b) **1, 3, 5, 15** (c) 3, 5, 15 (d) None of these

4) A prime number has only ____ factors.

(a)Three (b) One **(c) Two** (d) None of these

5) The number with unit digit 0 and 5 is divisible by.

(a)4 **(b) 5** (c) 3 (d) None of these

SECTION- B $(4 \times 2 = 8)$

6) Write the following:

a) Multiples of 7 that are less than 30

Multiples of 7: 7, 14, 21, 28, 35, …

Less than 30 → 7, 14, 21, 28 _____ **(1)**

b) Multiples of 6 between 20 and 40

Multiples of 6: 6, 12, 18, 24, 30, 36, 42, …

Between 20 and 40 → 24, 30, 36 _____ (1)

7) Find the perimeter of the squares with side 6 cm.

Perimeter =4×side _____ (1)
Here, side = 6 cm
Perimeter =4×6

=24cm _____ (1)

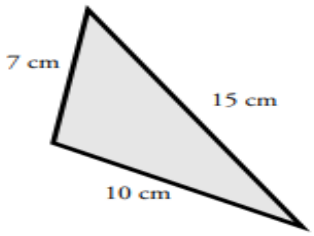
8) Write the prime factorization of 60 by factor tree method.

60
**/ **
6 10
**/ \ / **
2 3 2 5 _____ (1)

Collect all the prime factors:

60=2×2×3×5 _____ (1)

9) Find the perimeter of the following figures.



Sides = 7 cm, 10 cm, 15 cm

Perimeter = add the lengths of all three sides.

Perimeter=7+10+15 _____ (1)

Perimeter = 32 cm _____ (1)

SECTION- C $(4 \times 3 = 12)$

10) Find the LCM of 4 and 8 by listing the common multiples.

Multiples of 4: 4, 8, 12, 16, 20, …

Multiples of 8: 8, 16, 24, 32, … _____ (1)

Common multiples of 4 and 8: 8, 16, 24, … _____ (1)

The smallest common multiple

LCM = 8 _____ (1)

11) Apply the test of divisibility and complete the table by writing YES or NO in each box. **(¼ Marks for each correct answer)**

Number	2	3	5	10
1730	**YES**	**NO**	**YES**	**YES**
2768	**YES**	**NO**	**NO**	**NO**
1395	**NO**	**YES**	**YES**	**NO**

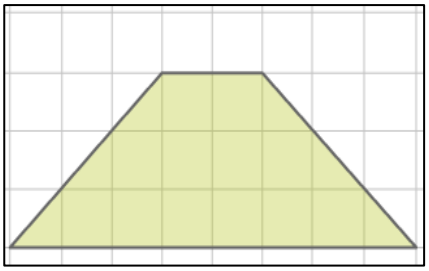
12) Find the perimeter of a notebook whose length is 9 cm and breadth is 7 cm.

Perimeter= 2×(Length + Breadth) _____ (1)
Length = 9 cm, Breadth = 7 cm
Perimeter = 2×(9+7)
= 2×16 _____ (1)
= 32 cm _____ (1)

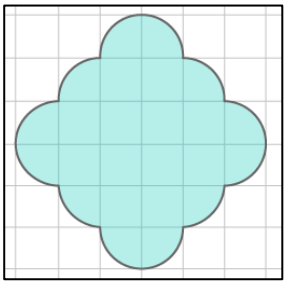
13) Find the areas of the following figures by counting square:

(▢ =1 square cm) **.(Each correct answer 1 mark)**

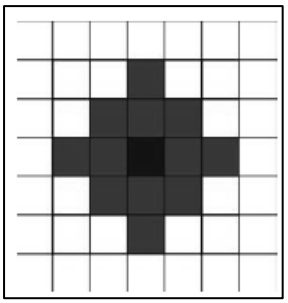
a)



b)



c)



Area(fig a)= 15 Sq cm **Area(fig b)= 24Sq cm** **Area(fig c)= 13 Sq cm**

**********The End **********