MATHEMATICS MOCK TEST

Class: IV | Set: 15

Time: 1 Hour 30 Minutes | Written Marks: 35 | Viva: 5 | Total: 40 Marks

NAME: _____   ROLL NO: _____

SECTION A   (1 Mark Each)

1. Write the prime number that comes between 10 and 15.

2. Which geometric figure has no endpoints and can be extended in both directions?

3. Convert 8 metres into centimetres.

4. Complete the pattern: $10, 20, 40, 80,$ _____.

5. Express ₹5 in paise.

SECTION B   (2 Marks Each)

6. Write the first five multiples of 9.

7. If the diameter of a circle is 20 cm, find the length of its radius.

8. Find the perimeter of a square whose side is 12 cm.

9. Add the following weights: 4 kg 250 g and 3 kg 750 g.

10. Preeti bought a chocolate for ₹35.50. She gave a ₹100 note. How much change will she get back?

SECTION C   (3 Marks Each)

11. **Factors and Multiples:** Find all the factors of 48. List the factors that are multiples of 4.

12. **Geometry:** Define the following with a small diagram for each:

    (a) Acute Angle   (b) Obtuse Angle   (c) Right Angle

13. **Measurement:** A tin contains 10 L 500 mL of oil. If 3 L 250 mL of oil is used for cooking, how much oil is left in the tin?

14. **Bar Graphs:** The table shows the number of children playing different sports in a colony:

Sport	Cricket	Football	Badminton	Tennis
Children	18	12	10	5

(i) Which sport is played by the maximum number of children? (ii) What is the total number of children playing these sports?

SECTION D (4 Marks Each - Case Study)

Case Study 1: Designing a Picture Frame
Anuj is making a rectangular wooden frame for his family photo. The photo is 15 cm long and 10 cm wide.

  (i) Find the perimeter of the frame needed for the photo. (2 Marks)

  (ii) If the cost of the wooden border is ₹5 per cm, find the total cost of the frame. (2 Marks)

Case Study 2: The Secret Number Code
A detective uses a number pattern to unlock a safe. The sequence of numbers is:
Step 1: 5
Step 2: 11
Step 3: 17
Step 4: 23

  (i) What will be the number at Step 7? (2 Marks)

  (ii) If the final code is the sum of the numbers in Step 1 and Step 5, what is the code? (2 Marks)

VIVA VOCE (5 Marks)

- **Multiples:** What is the 10th multiple of 5?

- **Geometry:** How many diameters can you draw in a circle?

- **Measurement:** How many grams make 1 kg?

- **Area:** If a rectangle has length 5 cm and breadth 4 cm, what is its area?

- **Money:** How many ₹2 coins are needed to make ₹50?