MATHEMATICS MOCK TEST

Class: IV | Set: 06

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

NAME: _____   ROLL NO: _____

SECTION A   (1 Mark Each)

1. Write the first four multiples of 7.

2. How many faces does a sphere have?

3. Convert 9 Litres 50 mL into millilitres.

4. Complete the pattern: 2, 4, 8, 16, _____.

5. If you have three ₹50 notes, how much money do you have in total?

SECTION B   (2 Marks Each)

6. Find the common factors of 8 and 12.

7. Draw a circle and mark its **Diameter** and a **Chord**.

8. A rectangular table is 2 m long and 1 m wide. Find its perimeter.

9. Convert 4500 grams into kilograms and grams.

10. Rohan bought a notebook for ₹45.50. He gave a ₹100 note to the shopkeeper. How much change did he get back?

SECTION C   (3 Marks Each)

11. Factors and Multiples: Write the first five multiples of 9 and 12. Find the smallest number that is a multiple of both (LCM).

12. Geometry: Match the following:

Shape	Properties
(a) Square	(i) 3 sides and 3 vertices
(b) Triangle	(ii) All 4 sides are equal
(c) Rectangle	(iii) Opposite sides are equal

13. Measurement: A sack of potatoes weighs 5 kg 750 g. A sack of onions weighs 3 kg 500 g. What is the total weight of both sacks?

14. Bar Graphs: The table shows the number of ice creams sold in a week:

Flavor	Vanilla	Chocolate	Strawberry	Pista
Sold	20	35	15	10

(i) Which flavor is the least popular? (ii) How many more Chocolate ice creams were sold than Pista?

SECTION D   (4 Marks Each - Case Study)

Case Study 1: Carpeting the Living Room
Mr. Gupta wants to cover his living room floor with a carpet. The floor is 6 metres long and 4 metres wide.

(i) Find the total area of the floor to be carpeted. (2 Marks)

(ii) If the carpet costs ₹100 per square metre, find the total cost of the carpet. (2 Marks)

Case Study 2: The Fruit Basket Pattern
A fruit seller arranges oranges in a specific pattern:
Layer 1: 1 orange
Layer 2: 3 oranges
Layer 3: 5 oranges
Layer 4: 7 oranges

(i) How many oranges will be in Layer 7? (2 Marks)

(ii) What is the total number of oranges in the first 4 layers? (2 Marks)

VIVA VOCE   (5 Marks)

- **Geometry:** How many vertices does a cube have?

- **Patterns:** If a pattern is $1, 3, 6, 10, \ldots$ what comes next?

- **Money:** How many ₹10 notes do you need to make ₹500?

- **Measurement:** What unit would you use to measure the length of your pencil? (cm or m?)

- **Factors:** Is 0 a factor of any number? Why?