
MATHEMATICS MOCK TEST

Class: IV | Set: 02

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

NAME: _____

ROLL NO: _____

SECTION A

(1 Mark Each)

1. Is 7 a factor of 45? (Yes/No)
2. Name a geometric figure that has no end points.
3. Convert 4 Litres into millilitres (mL).
4. Complete the number pattern: 5, 11, 17, 23, _____.
5. How many ₹20 notes make ₹100?

SECTION B

(2 Marks Each)

6. Write the first five multiples of 8.
7. Draw a line segment $PQ = 6$ cm using a ruler.
8. Find the perimeter of a rectangle whose length is 8 cm and breadth is 5 cm.
9. Convert 5 kg 250 g into total grams.
10. Subtract ₹28.50 from ₹50.00.

SECTION C

(3 Marks Each)

11. **Factors and Multiples:** Write all the factors of 24. Also, find the first two common multiples of 3 and 4.
12. **Geometry:** Define the following terms with a small diagram for each:
(a) Ray (b) Line Segment (c) Point
13. **Measurement:** A water tank contains 15 L 500 mL of water. If 7 L 250 mL is used for gardening, how much water is left in the tank?
14. **Bar Graphs:** Look at the table below showing books sold in 4 days:

Day	Monday	Tuesday	Wednesday	Thursday
Books Sold	10	15	5	20

Answer: (i) On which day were the most books sold? (ii) What is the total number of books sold?

SECTION D

(4 Marks Each - Case Study)

Case Study 1: Fencing the Square Park

The city council wants to build a square park where each side measures 12 meters.

- (i) What is the total length of the boundary of the park? (2 Marks)
- (ii) If the cost of fencing is ₹10 per meter, find the total cost of fencing the park. (2 Marks)

Case Study 2: The Growing Pattern

Meena is arranging buttons in a pattern:

Row 1: 3 buttons
Row 2: 6 buttons
Row 3: 9 buttons
Row 4: 12 buttons

- (i) How many buttons will be in Row 6? (2 Marks)
- (ii) What is the rule of this pattern? (2 Marks)

VIVA VOCE

(5 Marks)

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- **Geometry:** How many endpoints does a Ray have?
 - **Patterns:** If a pattern goes 2, 4, 8, 16 . . . , what is the next number?
 - **Measurement:** Which is heavier: 1 kg of iron or 1000 g of cotton?
 - **Money:** If you buy a chocolate for ₹15 and give a ₹50 note, how much change will you get?
 - **Factors:** Is 1 a factor of every number? Why?