
MATHEMATICS MOCK TEST

Class: IV | Set: 14

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 common multiple of 2 and 3.
2. What geometric figure starts at a point and goes on forever in one direction?
3. Convert 800 centimetres into metres.
4. Complete the pattern: 1, 5, 9, 13, _____.
5. How many ₹10 notes are there in ₹100?

SECTION B

(2 Marks Each)

6. Draw a factor tree for the number 24.
7. If the diameter of a circle is 14 cm, find its radius.
8. Find the perimeter of a rectangle with length 6 cm and breadth 4 cm.
9. Add: 2 kg 500 g and 1 kg 750 g.
10. Rahul bought a notebook for ₹62.00 and gave a ₹100 note. How much change should he receive?

SECTION C

(3 Marks Each)

11. **Factors and Multiples:** Find all the factors of 30. List the factors that are even numbers.
12. **Geometry:** Draw a line segment $AB = 5.5$ cm. At point A , draw a ray AX .
13. **Measurement:** A bottle holds 1 L 200 mL of water and another bottle holds 800 mL. What is the total capacity of water in both bottles? (Express in Litres).
14. **Bar Graphs:** The following data shows the favorite snacks of 30 children:

Snack	Chips	Biscuits	Fruit	Cake
No. of Children	10	8	5	7

- (i) Which snack is the most favorite? (ii) How many more children like Chips than Fruit?

SECTION D

(4 Marks Each - Case Study)

Case Study 1: Fencing the rectangular field

A farmer has a rectangular field that is 12 metres long and 9 metres wide.

- (i) Find the perimeter of the field to know how much wire is needed for one round of fencing. (2 Marks)
- (ii) If the cost of the wire is ₹15 per metre, find the total cost of the wire. (2 Marks)

Case Study 2: The Library Shelf Pattern

In a library, books are arranged in a decreasing pattern on the shelves:

Shelf 1: 50 books

Shelf 2: 45 books

Shelf 3: 40 books

Shelf 4: 35 books

- (i) How many books will be on Shelf 8? (2 Marks)
- (ii) What is the rule of this pattern? (2 Marks)

VIVA VOCE

(5 Marks)

- **Factors:** What is the smallest factor of every number?
- **Geometry:** What is the difference between a line and a ray?
- **Measurement:** How many millilitres are there in 1 Litre?
- **Area:** What is the formula for the area of a square?
- **Money:** How many 25-paise coins make ₹1?