

MATHEMATICS MOCK TEST

Class: IV | Set: 12

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 three multiples of 4.
2. How many endpoints does a line have?
3. Convert 3 kilograms into grams.
4. Complete the pattern: 10, 15, 20, 25, _____.
5. How many ₹5 coins are needed to make ₹50?

SECTION B

(2 Marks Each)

6. Find all the factors of 14 using multiplication.
7. Draw a line segment $XY = 5$ cm using a ruler.
8. Find the perimeter of a rectangle with length 10 cm and breadth 5 cm.
9. Add the following capacities: 3 L 500 mL and 2 L 250 mL.
10. Subtract ₹15.50 from ₹20.00.

SECTION C

(3 Marks Each)

11. **Factors and Multiples:** Is 36 a multiple of 4? Also, find the common factors of 9 and 15.
12. **Geometry:** Draw a circle with a radius of 4 cm. Mark and label its center O , a radius OA , and a diameter BC .
13. **Measurement:** Rope A is 10 m 50 cm long. Rope B is 5 m 25 cm long. Find the total length of both ropes when joined together.
14. **Bar Graphs:** The table shows the number of students who like different subjects:

Subject	Maths	Science	English	Art
Students	15	10	8	12

Answer: (i) Which subject is liked by the maximum students? (ii) What is the total number of students surveyed?

SECTION D

(4 Marks Each - Case Study)

Case Study 1: The School Playground

A rectangular playground is 15 meters long and 10 meters wide.

- (i) Find the area of the playground in square meters. (2 Marks)
- (ii) If the school wants to put a fence around the playground, and the wire costs ₹20 per meter, find the total cost of fencing. (2 Marks)

Case Study 2: The Shape Pattern

Look at the number of circles in each stage of a pattern:

Stage 1: 1 circle

Stage 2: 3 circles

Stage 3: 5 circles

Stage 4: 7 circles

- (i) How many circles will be there in Stage 6? (2 Marks)
- (ii) Write the rule for this pattern (how many circles are added in each step?). (2 Marks)

VIVA VOCE

(5 Marks)

- **Geometry:** What is the relation between the diameter and radius of a circle?
- **Factors:** What is the only number that is a factor of every number?
- **Measurement:** How many grams make half a kilogram?
- **Patterns:** If a pattern is 2, 4, 8, 16 . . . , what is the next number?
- **Money:** How many paise are there in ₹2.50?