
MATHEMATICS MOCK TEST

Class: IV | Set: 20

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

NAME: _____

ROLL NO: _____

SECTION A

(1 Mark Each)

1. Find the **LCM** (Lowest Common Multiple) of 4 and 6.
2. How many vertices does a square have?
3. Convert 9 metres into centimetres.
4. Complete the pattern: 11, 22, 33, 44, _____.
5. Express ₹7.50 in total paise.

SECTION B

(2 Marks Each)

6. Find all the factors of 25.
7. If the radius of a circle is 8 cm, find its **diameter**.
8. Find the perimeter of a rectangle with length 12 cm and breadth 6 cm.
9. **Subtraction:** Subtract 5 kg 250 g from 8 kg 500 g.
10. Reena bought a toy for ₹45 and a notebook for ₹25. How much change will she get from ₹100?

SECTION C

(3 Marks Each)

11. **Factors and Multiples:** Find the **LCM** of 3 and 7. Also, check if 56 is a multiple of 8.
12. **Geometry:** Draw a circle of radius 3.5 cm. Mark and label its Center (O), a Radius (OP), and a Chord (AB).
13. **Capacity Subtraction:** A milkman had 20 L 500 mL of milk. He sold 12 L 750 mL to customers. How much milk is left with him?
14. **Bar Graphs:** The table shows the number of students who like different subjects:

Subject	English	Maths	Science	Art
No. of Students	10	15	8	12

Answer: (i) Which subject is liked by the most students? (ii) What is the total number of students in the survey?

SECTION D

(4 Marks Each - Case Study)

Case Study 1: The Square Park Layout

A town is planning a new square park where each side measures 12 metres.

- (i) Find the total area of the park (Area = side \times side). (2 Marks)
- (ii) If the town wants to put a boundary fence around it, find the total length of the fence needed. (2 Marks)

Case Study 2: The Secret Pattern Code

In a school club, students use a secret code to represent letters with numbers:

$A = 10, B = 20, C = 30, D = 40, \dots$

- (i) What number will represent the letter 'F'? (2 Marks)
- (ii) If a word is written as "20 10 70", which letters does it represent? (2 Marks)

VIVA VOCE

(5 Marks)

- **LCM:** What is the Lowest Common Multiple of 2 and 4?
- **Geometry:** What is the relation between the diameter and radius of a circle?
- **Measurement:** How many millilitres are there in a half-litre ($1/2$ L)?
- **Factors:** Is 1 a factor of every number? Why?
- **Money:** How many ₹20 notes make ₹100?