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# MATHEMATICS MOCK TEST

Class: IV | Set: 17

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

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NAME: \_\_\_\_\_

ROLL NO: \_\_\_\_\_

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## SECTION A

(1 Mark Each)

1. Find the **LCM** (Lowest Common Multiple) of 2 and 5.
2. How many endpoints does a **Line** have?
3. Convert 6 metres 20 cm into total centimetres.
4. Complete the pattern: Z, Y, X, W, \_\_\_\_\_.
5. How many paise are there in ₹9?

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## SECTION B

(2 Marks Each)

6. Write the first five multiples of 11.
7. If the radius of a circle is 7 cm, find its **diameter**.
8. Find the perimeter of a square whose side is 12 cm.
9. **Subtraction:** Subtract 3 L 250 mL from 7 L 500 mL.
10. Sonu bought a notebook for ₹45.00 and a pencil for ₹7.50. How much total money did he spend?

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## SECTION C

(3 Marks Each)

11. **Factors and Multiples:** Find all the common factors of 12 and 18. Circle the highest common factor (HCF).
12. **Geometry:** Draw a circle of radius 3 cm. Mark and label:
  - (a) Center 'O'
  - (b) A radius 'OA'
  - (c) A chord 'XY'
13. **Measurement:** A bag of rice weighs 10 kg 500 g. If a family consumes 4 kg 750 g in a week, how much rice is left in the bag?

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**14. Bar Graphs:** The table shows the number of trees planted by students:

Class	Class 1	Class 2	Class 3	Class 4
Trees	10	20	15	25

Answer: (i) Which class planted the most trees? (ii) What is the total number of trees planted?

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## SECTION D

(4 Marks Each - Case Study)

### Case Study 1: The School Fencing Project

A rectangular play area in a school is 15 metres long and 10 metres wide.

- (i) Find the area of the play area in square metres. (2 Marks)
- (ii) If the school wants to put a boundary wire around the play area, what is the total length of the wire needed? (Perimeter). (2 Marks)

### Case Study 2: Number Pattern in a Library

In a library, books are placed on shelves in a specific pattern:

Shelf 1: 10 books

Shelf 2: 20 books

Shelf 3: 30 books

- (i) How many books will be there on Shelf 10? (2 Marks)
- (ii) If there are 5 shelves in total, what is the total number of books in that section? (2 Marks)

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## VIVA VOCE

(5 Marks)

- **LCM:** What does LCM stand for?
- **Measurement:** How many grams make one-fourth of a kilogram (250 g)?
- **Geometry:** What is the difference between a ray and a line?
- **Money:** How many ₹50 notes make ₹500?
- **Factors:** Is 1 a prime number or a composite number?