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# MATHEMATICS MOCK TEST

Class: IV | Set: 11

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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. What is the only even prime number?
2. A line segment has \_\_\_\_\_ endpoints.
3. Convert 4 kilograms into grams.
4. Complete the pattern: 2, 5, 8, 11, \_\_\_\_\_.
5. How many 50-paise coins make ₹5?

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## SECTION B

(2 Marks Each)

6. Find the first five multiples of 14.
7. If the diameter of a circle is 18 cm, what is its radius?
8. Find the perimeter of a rectangle with length 12 cm and breadth 8 cm.
9. Add: 12 L 450 mL and 8 L 600 mL.
10. I bought a notebook for ₹35.50 and a pencil for ₹4.50. How much change will I get from ₹50?

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## SECTION C

(3 Marks Each)

11. **Factors and Multiples:** Write all the factors of 42. List the ones that are also multiples of 3.
12. **Geometry:** Draw a circle with a radius of 3.5 cm. Draw and name its center 'C' and a chord 'XY'.
13. **Measurement:** A tailor uses 2 m 25 cm of cloth for a shirt and 1 m 80 cm for a pair of trousers. Find the total length of cloth used.
14. **Bar Graphs:** The table shows the number of ice cream cones sold in four days:

Day	Day 1	Day 2	Day 3	Day 4
<b>Cones Sold</b>	40	25	50	35

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- (i) On which day was the sale highest? (ii) What is the difference between sales of Day 3 and Day 2?

## SECTION D

(4 Marks Each - Case Study)

### Case Study 1: Tiling the Room

A square room has a side of 5 metres. The owner wants to cover the floor with carpet.

- (i) Find the area of the floor in square metres. (2 Marks)  
(ii) If the carpet costs ₹200 per square metre, find the total cost of carpeting. (2 Marks)

### Case Study 2: The Number Sequence

Look at the following number pattern:

$$1 \times 8 + 1 = 9$$

$$12 \times 8 + 2 = 98$$

$$123 \times 8 + 3 = 987$$

- (i) Write the next line in this pattern. (2 Marks)  
(ii) Predict the result of the 5th line without actual multiplication. (2 Marks)

## VIVA VOCE

(5 Marks)

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- **Factors:** What is the largest factor of any number  $N$ ?
  - **Geometry:** Name a shape that has 4 equal sides but is not a square.
  - **Measurement:** Which unit will you use to measure the weight of an apple?
  - **Money:** If a pen costs ₹10, how many pens can you buy for ₹100?
  - **Patterns:** Complete this: 1, 4, 9, 16, ... (Square numbers).