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# MATHEMATICS MOCK TEST

Class: IV | Set: 13

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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. Write the first three multiples of 15.
2. How many endpoints does a Ray have?
3. Convert 2500 grams into kilograms and grams.
4. Complete the pattern: 100, 200, 300, 400, \_\_\_\_\_.
5. How many ₹20 notes make ₹200?

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## SECTION B

(2 Marks Each)

6. Find all the factors of 21 using the multiplication method.
7. Draw a line segment  $MN = 8$  cm using a ruler and label it.
8. Find the perimeter of a square whose side is 10 cm.
9. Add the following weights: 5 kg 200 g and 2 kg 850 g.
10. Ritu bought a storybook for ₹65.50. She gave a ₹100 note to the shopkeeper. How much change did she get back?

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## SECTION C

(3 Marks Each)

11. **Factors and Multiples:** Find the common factors of 12 and 16. Circle the Highest Common Factor (HCF).
12. **Geometry:** Draw a circle with a radius of 5 cm. Mark and name its center 'O', a radius 'OA', and a chord 'BC'.
13. **Measurement:** A juice bottle contains 1 L 500 mL of juice. If Rohan drinks 350 mL and his sister drinks 400 mL, how much juice is left in the bottle?
14. **Bar Graphs:** The table shows the favorite flavors of ice cream of 25 children:

<b>Flavor</b>	Vanilla	Chocolate	Strawberry	Mango
<b>Students</b>	5	10	4	6

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- (i) Which flavor is liked by most children? (ii) How many more children like Chocolate than Strawberry?

## SECTION D

(4 Marks Each - Case Study)

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### Case Study 1: Tiling the Square Courtyard

A family wants to put tiles on their square-shaped courtyard. Each side of the courtyard is 8 metres long.

- (i) Find the total area of the courtyard in square metres. (2 Marks)
- (ii) If the cost of tiling is ₹60 per square metre, calculate the total cost of tiling the courtyard. (2 Marks)

### Case Study 2: The Secret Code Pattern

A group of friends uses a secret code where A=10, B=20, C=30, and so on.

- (i) How will they write the word "CAB" using this code? (2 Marks)
- (ii) If they write the number "40 10 20", what word does it represent? (2 Marks)

## VIVA VOCE

(5 Marks)

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- **Geometry:** What is the difference between a point and a line segment?
  - **Factors:** Can a factor of a number be larger than the number itself? Why?
  - **Measurement:** How many millilitres are there in a quarter of a litre ( $\frac{1}{4}$  L)?
  - **Money:** How many ₹50 notes make ₹500?
  - **Perimeter:** If you double the side of a square, what happens to its perimeter?