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# MATHEMATICS MOCK TEST

Class: IV | Set: 09

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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 13.
2. What is the angle called which measures exactly  $90^\circ$ ?
3. Convert 8 metres 45 centimetres into total centimetres.
4. Complete the pattern: 1, 3, 6, 10, \_\_\_\_\_.
5. How many ₹50 notes make ₹500?

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## SECTION B

(2 Marks Each)

6. Find all the factors of 32 using the multiplication method.
7. Draw a circle of radius 3 cm using a compass.
8. Find the perimeter of a rectangle whose length is 10 cm and breadth is 6 cm.
9. Add: 5 kg 350 g and 3 kg 750 g.
10. Convert ₹12.75 into total paise.

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## SECTION C

(3 Marks Each)

11. **Factors and Multiples:** Find the common factors of 12 and 18. Circle the highest common factor.
12. **Geometry:** Identify and name the following geometric figures:
  - (a) A figure with 4 equal sides and 4 right angles.
  - (b) A figure with no corners and no sides.
  - (c) A part of a line that has only one endpoint.
13. **Measurement:** A juice container has 5 L 200 mL of orange juice. If 1 L 800 mL is poured into a jug, how much juice is left in the container?
14. **Bar Graphs:** The table shows the number of cars of different colors in a parking lot:

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<b>Color</b>	White	Red	Blue	Black
<b>Number of Cars</b>	12	8	15	5

Answer: (i) Which color car is the most common? (ii) What is the total number of cars?

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## SECTION D

(4 Marks Each - Case Study)

### Case Study 1: The School Vegetable Patch

A school has a square vegetable patch with each side measuring 6 meters.

- (i) Find the area of the vegetable patch (Area = side  $\times$  side). (2 Marks)
- (ii) If a farmer wants to put a wooden border around the patch, what is the total length of the wood needed? (Perimeter). (2 Marks)

### Case Study 2: Number Sequence Challenge

Observe the following pattern of house numbers in a colony:

House 1: 101

House 2: 104

House 3: 107

House 4: 110

- (i) What will be the number of House 8 in this pattern? (2 Marks)
- (ii) What is the rule being followed for these house numbers? (2 Marks)

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## VIVA VOCE

(5 Marks)

- **Factors:** What are the factors of a prime number?
- **Geometry:** If the diameter of a circle is 14 cm, what is its radius?
- **Measurement:** How many millilitres are there in a quarter ( $\frac{1}{4}$ ) of a Litre?
- **Money:** If you buy a pencil for ₹7 and give a ₹20 note, what change will you get?
- **Perimeter:** How do you find the perimeter of a regular triangle (Equilateral triangle)?