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# MATHEMATICS MOCK TEST

Class: IV | Set: 05

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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 smallest multiple of 9?
2. How many vertices does a triangle have?
3. Convert 6 km into metres.
4. Complete the pattern: 100, 90, 80, 70, \_\_\_\_\_.
5. How many 50-paise coins make ₹2?

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## SECTION B

(2 Marks Each)

6. Find the first three common multiples of 3 and 4.
7. Define a **Circle** and name its center.
8. The side of a square is 9 cm. Find its perimeter.
9. Subtract: 5 kg 400 g from 8 kg 200 g.
10. Reena has ₹250.75 and her brother has ₹140.50. How much total money do they have?

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## SECTION C

(3 Marks Each)

11. **Factors and Multiples:** Write all the factors of 36. Which of these are even numbers?
12. **Geometry:** Draw a line segment  $XY = 5.5$  cm. At point  $X$ , draw a ray  $XZ$  to form an angle.
13. **Measurement:** A juice bottle contains 2 L 250 mL of juice. If 5 glasses of 200 mL each are filled from it, how much juice remains in the bottle?
14. **Bar Graphs:** The following table shows the number of toys children have:

Toy Type	Cars	Dolls	Blocks	Puzzles
Quantity	12	10	15	8

Answer: (i) Which toy is the most popular? (ii) What is the difference between the number of blocks and puzzles?

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## SECTION D

(4 Marks Each - Case Study)

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### Case Study 1: The School Running Track

A school has a rectangular running track that is 50 metres long and 30 metres wide.

- (i) If a student runs one full round around the track, what distance do they cover? (2 Marks)
- (ii) Find the area of the track's inner field (Length  $\times$  Breadth). (2 Marks)

### Case Study 2: The Number Staircase

Observe the following number pattern used in a staircase game:

Step 1: 2  
Step 2: 4  
Step 3: 8  
Step 4: 16

- (i) What will be the number on Step 6? (2 Marks)
- (ii) What is the rule used to find the next number in this pattern? (2 Marks)

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## VIVA VOCE

(5 Marks)

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- **Multiples:** Can a number be a multiple of itself? Give an example.
- **Geometry:** What is a closed figure? Name one.
- **Measurement:** What instrument is used to measure the weight of a bag of rice?
- **Money:** If a notebook costs ₹45, how much will 10 notebooks cost?
- **Patterns:** Complete this: A, 1, B, 2, C, 3, \_\_\_\_\_, \_\_\_\_\_.