RAM Maths Circle

Date: February 07, 2026
Swami Vivekanand School, Dombivli

In this session, the mentors discussed the following questions with the students.

1. The sum of four distinct prime numbers is 240. If none of the four primes is greater than 70, what is the smallest of the four numbers?

2. Let x be a 3-digit number such that the sum of the digits equal to 21. If the digits of x are reversed, the number thus formed exceeds x by 495. What is x?

3. How many four-digit numbers are divisible by 3 and have 23 as the last 2 digits of the number?

4. The diagram shows a square which has been divided into five congruent rectangles. The perimeter of each rectangle is 51cm. What are the perimeter and area of the square?