

RAM Maths Circle

Date: January 18, 2025
Swami Vivekanand School, Dombivli

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

1. Find the smallest $n > 1$ such that $1 + 2 + \dots + n$ is a perfect square. What is the second smallest n for the same?
2. Find the number of diagonals that can be drawn in the polygon of 10 sides. what is the number of diagonals for a 40 sided polygon?
3. In a test there are 50 students. The average score of those 50 papers is 38. One of the score is 45 and another is 55. If these papers are removed from the pile, what is the average of remaining papers?

