RAM Maths Circle (Lodha Schools)

Date: December 30, 2024
Grade 5

In this session, the mentor engaged the students with the following fun and interesting questions.

1. The smallest four-digit number with distinct digits is?

2. In how many ways a teacher can distribute 15 notebooks to 5 students in such a way that everyone gets an odd number of notebooks and no notebook is left with teacher?

3. How many ways can you distribute 30 chocolates to 6 kids if everyone must get an odd number of chocolates?

4. Arrange the following numbers 1,1,2,2,3,3 in the grid, such that there is one number between two ones; there are two numbers between two twos; and there are three numbers between two threes. How many different solutions are possible?

5. Arrange numbers 1, 1, 2, 2, 3, 3, 4, 4 so that there is one digit between the two 1s, two digits between the two 2s, three digits between the two 3s, and four digits between the two 4s.