RAM Maths Circle

Date: November 15, 2025
Swami Vivekanand School, Dombivli

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

1. Using the digits 3, 5, 7, & 9, how many 4-digit numbers can be made without repeating the digits?

2. How many 5-digit numbers are there with no digits repeated?

3. Using the digits $0, 1, 2, \ldots, 9$ how many 5-digit numbers can be made?(Repetition of digits is allowed)

4. For Kalyan-Dombivli region, the RTO number is MH 05. How many possible vehicle number plates are possible for this region? (Example of a number plate is MH05 AA 7843)

   <u>M</u> <u>H</u> <u>0</u> <u>5</u> _ _ _ _ _ _