RAM Maths Circle

Date: January 24, 2026
Swami Vivekanand School, Dombivli

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

1. Using four 4's with operations $+, -, \times, \div, \sqrt{\ }$, and ! make the numbers 39, 41, 24, 56, and 7

2. A ball is dropped from a height of 8 meters, and it bounces back to half the height every time. What is the total distance before it comes to rest?

3. There is a burrow filled with rabbits. The number of rabbits doubles every day. If the burrow becomes full on the 30th day, when was it half full?

4. Using the digits $1, 2, 3, 4, 5, 6, 7, 8, 9$ only once; use operations $+, -, \times, \div, \sqrt{\ }$, and ! to make 100.