

RAM Maths Circle

Date: August 02, 2025
Swami Vivekanand School, Dombivli

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

1. Find the number of 3-digit numbers whose sum digits is 3.
2. You have 36 rupees with you. You go to a shop and shopkeeper tells you that the price of 1 chocolate is 2. He also tells you that you can get a chocolate in return of 3 chocolate wrappers. What is the maximum number of chocolate you can get?
3. What is the smallest number whose prime factorisation has five different prime numbers?
4. $\frac{(2+4+6+8+10+\dots+46+48+50)}{2} = ?$
5. A display has three lights that flash at different intervals.
 - The red light flashes every 4 minutes.
 - The green light flashes every 3 minutes.
 - The blue light flashes every 5 minutes.

All lights flash together at 20:00. At what time will they flash together next?