

# RAM Maths Circle

Date: September 20, 2025  
Swami Vivekanand School, Dombivli

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

1. The letters R, A, and M represent whole numbers. If  $R \times A \times M = 240$ ,  $R \times A + M = 46$  and  $R + A \times M = 64$ , what is the value of  $R + A + M$ ?
2. Rama was asked by her teacher to subtract 3 from a certain number and then divide the result by 9. Instead, she subtracted 9 and then divided the result by 3. She got 43 as the answer. What would have been her answer if she had solved the problem correctly?
3. In a store in Dombivli, the currency consists of coins 7 cents and 11 cents. what is the largest amount of money that cannot be made using any combination of these coins?

