RAM Maths Circle (Lodha Schools)

Date: January 20, 2025
Grade 5

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

1. You have 15 rupees with you. You go to a shop and shopkeeper tells you price as 1 rupee per chocolate.

   He also tells you that you can get a chocolate in return of 3 wrappers. How many maximum chocolates you can eat?
   How many maximum chocolates you can eat if you had rupees 20 with you?

2. Akbar asks King of neighbouring state to visit his palace, to which the king responds: "I will come some day next month, but I will not tell you on which day. Further, you must give me gold in grams equal to the date on which I come."
   In preparation for the visit, Akbar demands that his jeweller shall make total of 31 gold rings weighing 1 to 31 grams.
   Birbal was listening to the order placed by Akbar and he being the wiseman of Akbar suggested that he will coordinate with the Jeweller and will get only 5 rings made. Birbal asked the jeweller to make only 5 rings.
   What are their weights?