RAM Maths Circle (Lodha Schools)

Date: February 03, 2025

Grade 5

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

1. While searching for a painter, I came across three people, Harsh, Akash, and Rajesh. All three of them decided to give replies to any question in two statements
   One of them is truth teller
   One of them is a liar
   One alternates with lie and truth
   Harsh:
   I am the painter.
   Akash is a liar.

   Akash:
   I am the painter.
   Rajesh is a liar.

   Rajesh:
   Akash is the painter.
   Harsh is a liar.

   Who is the painter?

2. Each person out of Piko, Miko and Ziko had exactly one different title amongst the Fast, the Slow and the Beautiful. All three of them decided to give replies to any question in two statements
   One of them is truth teller
   One of them is a liar
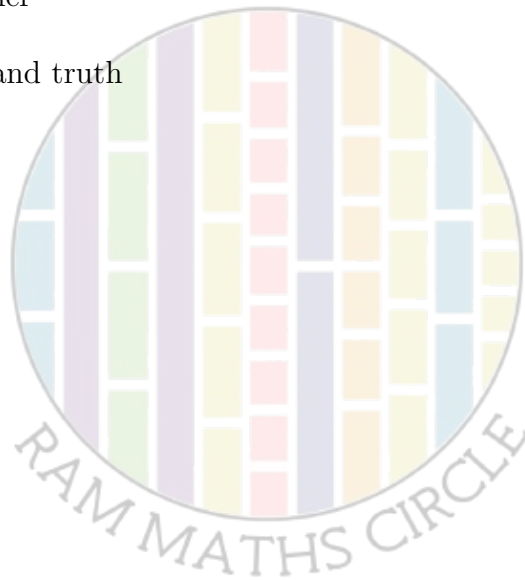   One alternates with lie and truth
   Piko:
   Miko is 'the Fast'.
   I am 'the Beautiful'.

   Miko:
   Ziko is 'the Slow'.

Piko is not 'the Fast'.

Ziko:
Miko is 'the Beautiful'.
Piko is not 'the Slow'.

What is the title assigned to each person?