

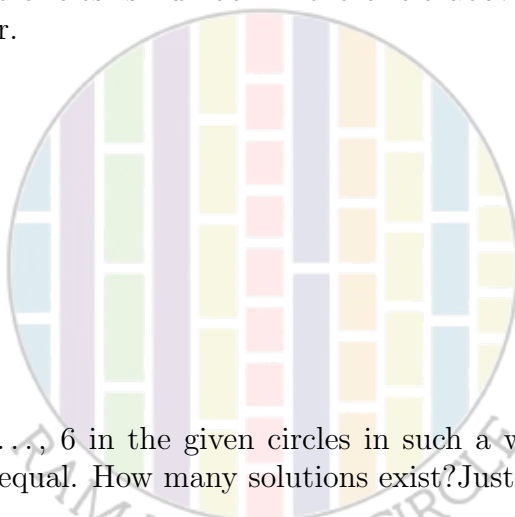
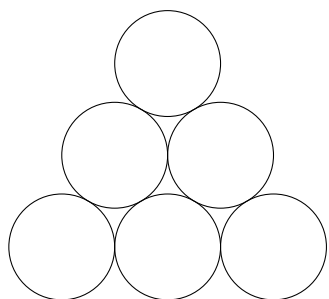
RAM Maths Circle (Lodha Schools)

Date: December 16, 2024

Grade 5

In this session, the mentor put forth two simple yet challenging questions. These questions proved to be a good catalyst to foster problem solving in the students.

1. Arrange the numbers 1, 2, ..., 6 in the given circles such that the difference between two numbers in adjacent circles is number in the circle above it. How many solutions exist? Justify your answer.



2. Place the numbers 1, 2, ..., 6 in the given circles in such a way that the sum of three numbers on each side is equal. How many solutions exist? Justify your answer.

