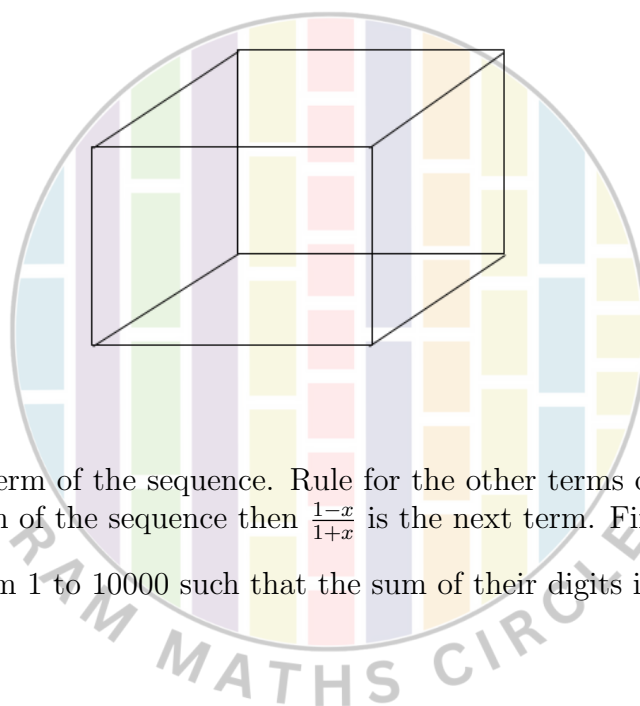# RAM Maths Circle

Date: September 9, 2023
Swami Vivekanand School, Dombivli

The following problem were discussed in this session.

- Given numbers $1, 2, 3, \ldots, 8$. Place them in the vertices of the given 3-D cube such that the sum of values of vertices for each face is the same.

- Let $\frac{3}{8}$ be the first term of the sequence. Rule for the other terms of the sequence is, if x is the previous term of the sequence then $\frac{1-x}{1+x}$ is the next term. Find 2023rd term.

- Find all primes from 1 to 10000 such that the sum of their digits is 2