

# RAM Maths Circle

Date: March 9, 2024

Swami Vivekanand School, Dombivli

- 1) Find all 2-digit positive integers such that they are divisible by the sum of their digits.
- 2) Find the sum of all 3-digit positive integers such that they are divisible by 9.
- 3) Find minimum and maximum value of  $n/S(n)$  for  $10 \leq n \leq 99$  where  $S(n)$  = Sum of digits of 'n'
- 4) Find all 2-digit positive integers such that it has exactly 3 factors excluding 1 and the number itself.

