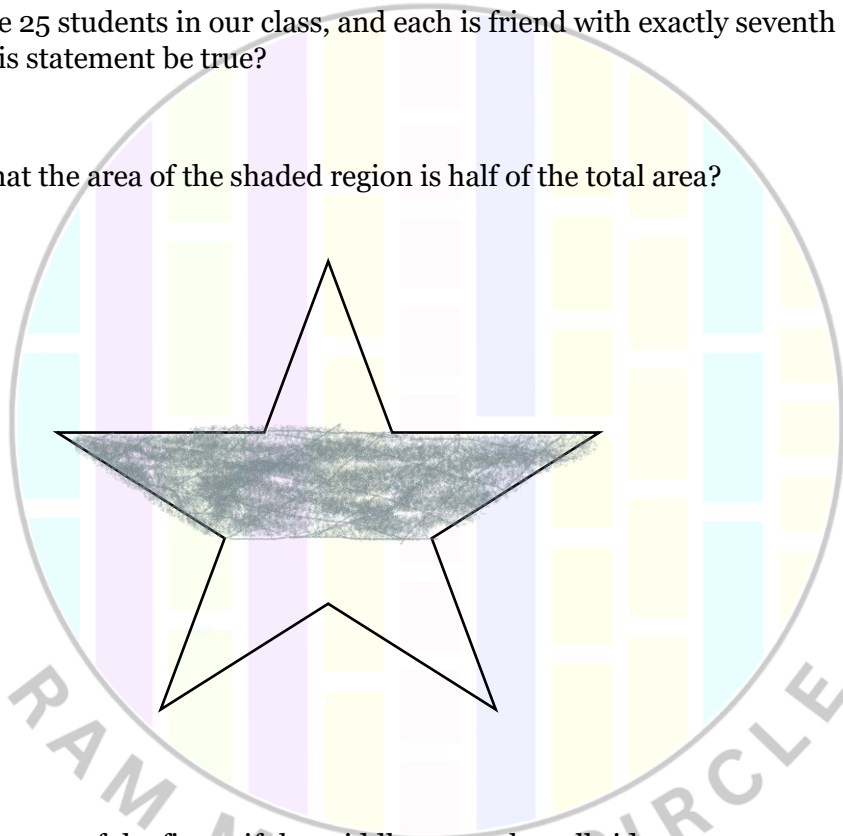


RAM Maths Circle

Date: March 2, 2024

Swami Vivekanand School, Dombivli

- In Dombivli every 20th mathematician is also a musician, while every 30th musician is also a mathematician.
 - Are there more Mathematicians than the Musicians?
 - How many times more?
- We have 25 students in our class, and each is friend with exactly seventh classmate. Why can't this statement be true?
- Show that the area of the shaded region is half of the total area?



- Find the area of the figure if the middle square has all sides as 1.
Note: Figure is divided into squares.

