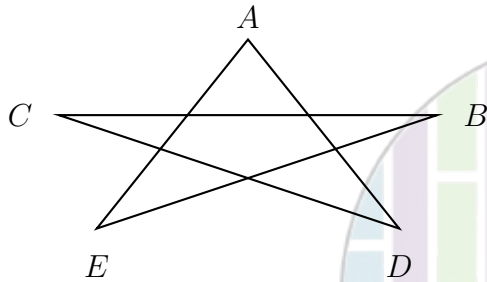


RAM Maths Circle

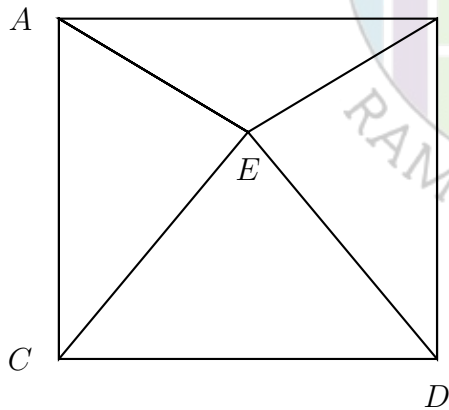
Date: January 4, 2025
Swami Vivekanand School, Dombivli

In this session, the mentors covered the concepts of geometry and the counting principle. Students were asked to solve the following questions.

1. Find $\angle A + \angle B + \angle C + \angle D + \angle E$ in the given figure.



2. $\square ABDC$ is a square and $\triangle CDE$ is an equilateral triangle. Find the measure of $\angle AEB$.



3. How many ways can 4 students be arranged in a line? A student facing forward or backward is considered a different arrangement. What is the total number of ways to arrange the students?