



Provincial Department Of Education – Sabaragamuwa
WEEKLY SCHOOL

Subject : Mathematics

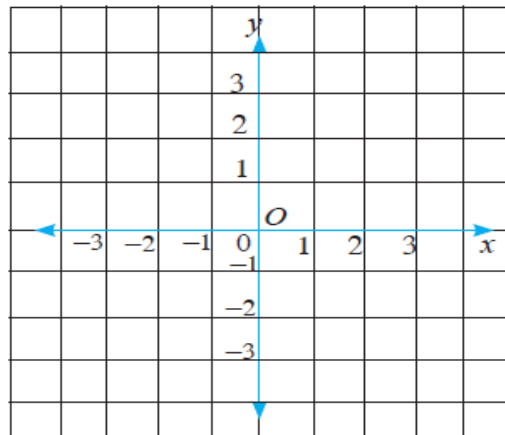
Grade 7

Week : 04th of 3rd Term

Unit 23 – Cartesian Plane (1)

➤ Cartesian Plane

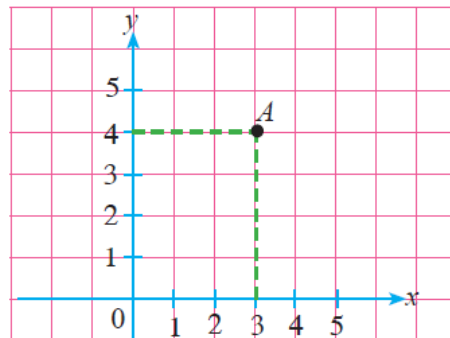
A Cartesian plane is shown in the figure.



➤ Identifying a point on a Cartesian plane by its coordinates

A is a point on the given Cartesian plane.

Let us see how the point A on the Cartesian plane can be exactly identified by two numbers.



- The line drawn from point A which is perpendicular to the x - axis, meets the x - axis at 3. The line drawn from point A which is perpendicular to the y - axis, meets the y -axis at 4.
- Accordingly, the x - coordinate of the point A is defined as 3 and the y - coordinate of A is defined as 4. The coordinates of A are written as $(3, 4)$ by writing the x - coordinate first and the y -coordinate second, within brackets. This is written in short as $A(3,4)$.

➤ Do all the exercises in exercise 23.1 in your text book.