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## 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.