COORDINATE GEOMETRY

A GRID

Definition Map -

A map is a picture that shows us a place, like a park or a treasure island. It helps us see where things are, like trees, paths, or a treasure chest!

 $\mathbf{E}\mathbf{x}$:



Definition Grid -

On a map, a grid helps us locate things. Each square on the grid has a name.

- The first letter indicates the column and is read on the vertical axis.
- \bullet The number indicates the row and is read on the horizontal axis.

Ex:



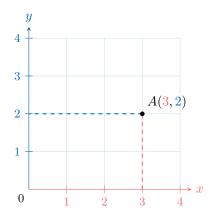
The treasure is in square C2.

B COORDINATE PLANE

Definition Coordinate Plane

A coordinate plane is a grid formed by two number lines that cross at zero. One number line goes left and right (called the x-axis), and the other goes up and down (called the y-axis).

The coordinates of a point are a pair of numbers, like A(2,3). The first number tells you how far to move right, and the second number tells you how far to move up.



Ex: Plot these points on a coordinate plane: A(2,3), B(4,2), and C(0,1).

Answer:

- For A(2,3): Move 2 units right, then 3 units up.
- For B(4,2): Move 4 units right, then 2 units up.
- For C(0,1): Stay at 0 units right, move 1 unit up.

