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!
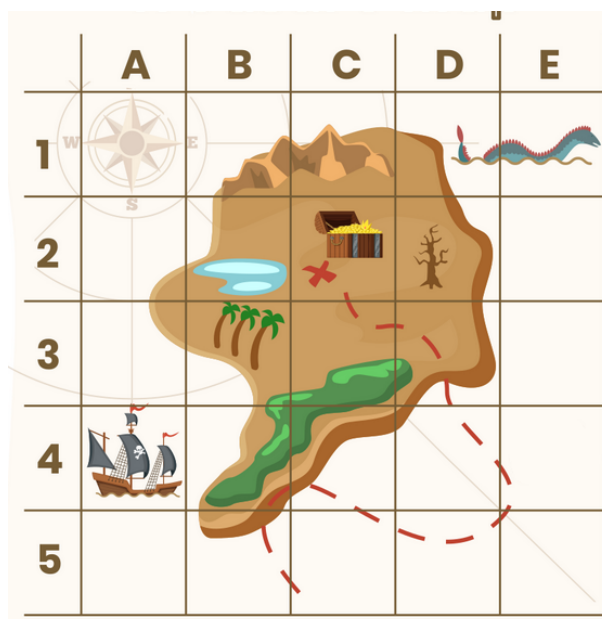

Ex:

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.

- The number indicates the row and is read on the horizontal axis.

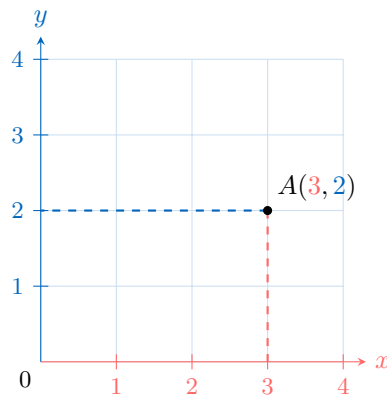---

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.