

## <u>Lines</u>

## LINES

• The line is a line that extends from one point to another point and can be extended indefinitely.

## **TYPES OF LINE**

There are 5 types of lines, They are based and defined on their orientation and angle (if they possess).

- HORIZONTAL LINE
  - A line that runs from the left point towards the right or vice versa in a straight line.
- VERTICAL LINE
  - A line that runs from UP to DOWN or vice versa in a straight line.
- PERPENDICULAR LINES

- When two Straight lines AB and CD INTERSECT (meet) at a point dividing CD into TWO parts and making a cross at a right angle i.e. 90°, denoted as

• PARALLEL LINES

- When two straight lines are kept side by side and after the extension of any of them they**cannot meet** at any point.

• INTERSECTING LINES

- When a line meets a horizontal line and divides it into parts and is at some angle are called intersecting lines and at the point where they meet is called INTERSECTION POINT, a line can also have more than 1 intersection points.



?A line that has one fixed point and a moving point and can be extended in a specific direction and is un-measurable i.e. you cannot measure it.

## **?LINE SEGMENT**

?A line that has two fixed ends and is measurable.

