

## Point, Line Segment

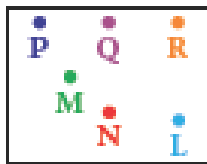
➡ Take your pencil, Sharpen it and place some dots on paper.

A small dot made by the pencil tip on a paper is known as a point.

A point determines an exact location. It is denoted by capital letters.

●A Here 'A' is a point.

Some more examples:

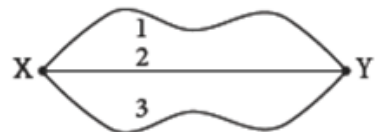


Place some points  
here and name them.

### ➡ Line Segment

When two points are joined, the shortest distance between them is called the line segment between two points.

For example, let us join points X and Y. We can join them in many ways as shown by lines. 1, 2 and 3 in the figure below.



➡ **Lines 1 and 3 are curved lines and line 2 is a straight line.**

Can all the three lines be called line segments? No, out of lines 1, 2 and 3, line 2 is the shortest So, line 2 is the line segment XY. It is written as XY.

We can say that when two points are joined by a straight line, a line segment is formed.

Hence, a line segment has a starting and an end point.