What is a Line Segment?

The line is the combination of points which extends infinitely in both directions. But line segment is the part of the line with fixed endpoints.

Steps to Construction a Line segment:

Suppose you are the given the length of the line segment as 8 cm. You have to follow the steps given below:

Step 1: Take a ruler and mark a 0 point at one end the other point at the given length that is at 8 cm.

Step 2: Join the two points and so you a line segment of length 8 cm.

Step 3: Name the two end of the line segment as A and B respectively.

Step 4: The other way to draw the line segment is using a ruler and a compass.

Step 5: Take a ruler and put the compass just above the ruler such that the pointed tip of the compass is at 0 and the pencil is at 8 cm.

Step 6: Now keep the compass at point A and make an arc at 6 cm at the point B

Step 7: So, we get the required line segment.