

Constructing a line segment

To construct or build a line segment of a particular length we utilize a ruler and compasses

Example

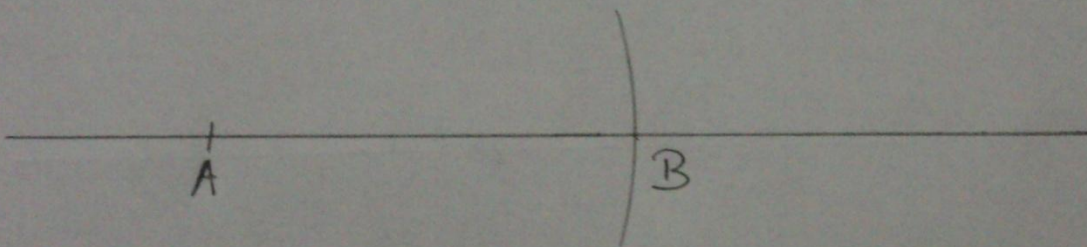
Construct a line segment AB of length 7.6cm

Construction:

First of all we draw a straight line greater than 7.6cm. After that, tick off the point A to the left of the line. Open or release your compasses to an opening of 7.6cm. Utilizing A as centre, construct an arc or curve to intersect or overlap the straight line at B. Hence AB is the necessary line segment of length 7.6cm.

Note the construction below

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Note:

We measure line segments utilizing a divider. We open or release our divider from one end or edge to another (e.g. from A to B) and after that measure the division of the divider utilizing a ruler. The length of the line segment is then equivalent to the value or worth of the division of the divider.