



MATHS

NCERT NCERT MATHS (KANNADA ENGLISH)

GEOMETRICAL CONSTRUCTIONS

Try This

1. Draw a circle, Identify a point on it. Cut arcs on the circle with the length of the radius in

succession. How many parts can the circle be divided into? Give reason.



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2. What happen if the angle in the circle segment is right angle? What kind of segment do you obtain? Draw the figure and give reason.



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3. Can you construct a triangle ABC with $BC = 6$ cm, $\angle B = 60^\circ$ and $AB + AC = 5$ cm.? If not, give reasons.



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Examples

1. Draw the perpendicular bisector of a given line segment AB and write justification.



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2. Draw a ray AB with initial point A and construct a ray AC such that $\angle BAC = 60^\circ$.



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3. Construct $\triangle ABC$ in which $BC = 4.2$ cm, $\angle B = 30^\circ$ and $AB - AC = 1.6$ cm



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