

# Inscribe a Polygon

Spoken Tutorial Project

<https://spoken-tutorial.org>

National Mission on Education through ICT

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# Learning Objectives













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- ▶ Measure the length of an edge
- ▶ About View toolbar





# System Requirements







# Pre-requisites



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- ▶ **Learners must be familiar with the FreeCAD interface**



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- ▶ **For pre-requisite tutorials, please visit this site**  
<https://spoken-tutorial.org>









# Inscribing Pentagon Inside a Circle

- ▶ Equation for inscribing a pentagon of a circle is  $R=0.85 A$
- ▶  $A$  is length of the side of the pentagon
- ▶  $R$  is the radius of the circle





# Assignment

- ▶ Draw a rectangle
- ▶ Draw a hexagon with  $A = 25 \text{ mm}$



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- ▶ Draw a rectangle
- ▶ Draw a hexagon with  $A = 25 \text{ mm}$

**Hint: For hexagon,  $A=r$  to inscribe on a circle**



# Assignment

- ▶ Practice to draw and format the properties of objects



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**Hint: You may also use the parameters in Combo View window to modify**





# About the Spoken Tutorial Project

- ▶ Watch the video available at [https://spoken-tutorial.org/What\\_is\\_a\\_Spoken\\_Tutorial](https://spoken-tutorial.org/What_is_a_Spoken_Tutorial)
- ▶ It summarises the Spoken Tutorial project
- ▶ If you do not have good bandwidth, you can download and watch it



# Spoken Tutorial Workshops

## The Spoken Tutorial Project Team

- ▶ Conducts workshops using spoken tutorials
- ▶ Gives certificates to those who pass an online test
- ▶ For more details, please write to [contact@spoken-tutorial.org](mailto:contact@spoken-tutorial.org)





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