

Modifications and Dimensioning

Spoken Tutorial Project

<https://spoken-tutorial.org>

National Mission on Education through ICT

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11 November 2023

Learning Objectives



Learning Objectives

► Create multiple lines



Learning Objectives

- ▶ Create multiple lines
- ▶ Split a line

Learning Objectives

- ▶ Create multiple lines
- ▶ Split a line
- ▶ Use snap tools when adding intersections of lines

Learning Objectives

- ▶ Create multiple lines
- ▶ Split a line
- ▶ Use snap tools when adding intersections of lines
- ▶ Add fillet and add chamfer

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- ▶ Create multiple lines
- ▶ Split a line
- ▶ Use snap tools when adding intersections of lines
- ▶ Add fillet and add chamfer
- ▶ Measure an angular dimension

Learning Objectives

- ▶ Create multiple lines
- ▶ Split a line
- ▶ Use snap tools when adding intersections of lines
- ▶ Add fillet and add chamfer
- ▶ Measure an angular dimension
- ▶ Add a leader line



System Requirements



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► Windows 11 OS



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- ▶ **Windows 11 OS**
- ▶ **FreeCAD 0.21.1**

Pre-requisites



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

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Summary



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- ▶ **Continue option when drawing line**
- ▶ **Split a line**
- ▶ **Use of snap tools when creating intersections in lines**
- ▶ **Fillet and Chamfer**

Summary

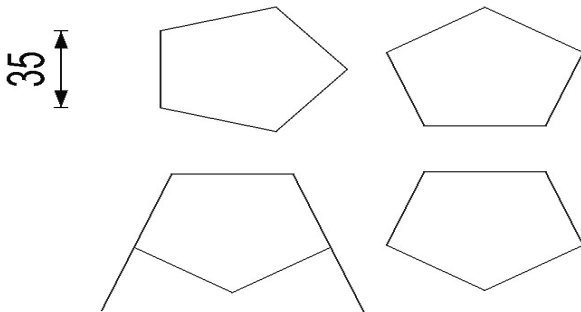


Summary

- ▶ Measured angular dimension
- ▶ Created leader line to add label

Assignment

Create a drawing as seen here



All Dimensions are in mm

About the Spoken Tutorial Project

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- ▶ 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



Forum questions

- ▶ Questions in THIS Spoken Tutorial?
- ▶ Visit <https://forums.spoken-tutorial.org>
- ▶ Choose the minute and second where you have the question
- ▶ Explain your question briefly
- ▶ The Spoken Tutorial project will ensure an answer

You will have to register to ask questions



Acknowledgements

The Spoken Tutorial project was established by the Ministry of Education, Govt. of India