

Properties of Quadrilaterals

Spoken Tutorial Project

<http://spoken-tutorial.org>

National Mission on Education through ICT

<http://sakshat.ac.in>

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16 June 2018



Learning Objectives



Learning Objectives

We will learn,



Learning Objectives

We will learn,

- **To construct quadrilaterals**



Learning Objectives

We will learn,

- To construct quadrilaterals
- understand the properties of quadrilaterals using GeoGebra



System Requirement



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- **Ubuntu Linux OS v 14.04**



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- **GeoGebra v 5.0.438.0-d**



Pre-requisites



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- **GeoGebra interface**



Pre-requisites

- **GeoGebra** interface
- If not, for relevant GeoGebra tutorials, please visit our website www.spoken-tutorial.org



Assignment



Assignment

- 1 Measure the angles of the kite and check what happens



Assignment

- 1 Measure the angles of the kite and check what happens
- 2 Draw diagonals & locate the intersection point of the diagonals



Assignment

- 1 Measure the angles of the kite and check what happens
- 2 Draw diagonals & locate the intersection point of the diagonals
- 3 Measure the angle at the intersection of the diagonals



Assignment

- 1 Measure the angles of the kite and check what happens
- 2 Draw diagonals & locate the intersection point of the diagonals
- 3 Measure the angle at the intersection of the diagonals
- 4 Check if diagonals bisect each other



Assignment



Assignment

- 1 Check if the diagonals of the quadrilateral **ABDC** bisect each other



Assignment

- 1 Check if the diagonals of the quadrilateral **ABDC** bisect each other
- 2 Also check if the diagonals are perpendicular bisectors



Assignment



Assignment

1 Draw a trapezium



Assignment

- 1 Draw a trapezium
- 2 Measure its perimeter and area



Summary



Summary

- **To construct quadrilaterals and**
- **understand the properties of quadrilaterals using GeoGebra**



About the Spoken Tutorial Project

- Watch the video available at http://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



Forum for specific questions

- Do you have questions in THIS Spoken Tutorial?
- Please visit <http://forums.spoken-tutorial.org>
- Choose the minute and second where you have the question
- Explain your question briefly
- Someone from our team will answer them



Acknowledgements

- Spoken Tutorial Project is a part of the Talk to a Teacher project
- It is supported by the National Mission on Education through ICT, MHRD, Government of India
- More information on this Mission is available at

<http://spoken-tutorial.org /NMEICT-Intro>

