

Assam Going Online (AGO)

Class: 8

Subject: Maths

Topic: Practical Geometry

Learning Objective:

- The students will learn how to construct a quadrilateral under given conditions.
- Construction of quadrilaterals and understanding the procedure behind.

Day	Time	Activities	Resource Link
Day-1	20 mins	Activity 1: Draw 5 different quadrilaterals and measure all sides. Draw their diagonals and measure it. Share with your teacher. (Follow page no. 70,71)	Text book page no. 70, 71 https://www.youtube.com/watch?v=NpN3tXLE9x8 (in hindi) https://www.youtube.com/watch?v=ioWxu05W97Q
	30 mins	Activity 2: The students will go through the given text book pages no.71, 73, 77, 78 and will draw quadrilaterals given in activities no. 4.1.1, 4.1.2, 4.1.3 & 4.1.4. After that share it with the teacher	The students can refer to Diksha App Assamese medium, class 8, video part 1,2,3 &4 https://www.youtube.com/watch?v=Pz64J1hJV8E



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	20 mins	<p>Activity 3: Solve the problem and share with your teacher.</p> <p>*If three angles of a quadrilateral are 75 degree, then the 4th angle is A) 120degree, b) 45degree, c) 75degree, d) 135degree</p> <p>*Draw a quadrilateral whose diagonal bisects each other equally and give the name of that quadrilateral.</p> <p>.</p>	<p>Students can refer to the below link to understand the concept:</p> <p>https://www.youtube.com/watch?v=oUp277-Z9P0 https://www.youtube.com/watch?v=aC4rKBOKPvk https://www.youtube.com/watch?v=X6pK1ssblRs</p>
Day-2	30 mins (for each activity)	<p>Assessment:</p> <ul style="list-style-type: none"> • Make a kite of sides 4cm, 4.9cm, and diagonal 7.2cm and colour it and share with your teacher. • You have to cut tiles for flooring shaped as parallelogram. The measurement of the tile is EF=5.2cm, FG=8.2cm and angle EFG=70 degree. • There are 4 pieces of wood of 8cm, one wood piece of 12cm as diagonal, measure the other diagonal to make a rhombus shaped photo frame and share with your teacher. 	