

ACTIVITY NO. - 5

Subject	MATHEMATICS
Class	VI
Chapter/Unit	Understanding Elementary Shapes
Topic	Quadrilaterals (Rhombus)
Time	30 minutes
Nature of Activity	Individual

What will I learn (Learning outcome)?

To design a quadrilateral (rhombus) by paper folding.

Skills:- Psychomotor Coordination, Identifying, Differentiating, Assimilating

What I have to do?

To design a quadrilateral (rhombus).

What do I require?

Chart paper, pair of scissors and adhesive.

What do I need to know?

Concept of Quadrilaterals and its types.

➤ Teacher's Activity

Teacher will enable the students to recall the concept of quadrilaterals, its types and will explain the steps of the activity.

How will I proceed?

➤ Student's Activity

- Take a chart paper and draw a circle of any convenient radius.
- Cut the circle and mark its centre as shown in Fig.1.

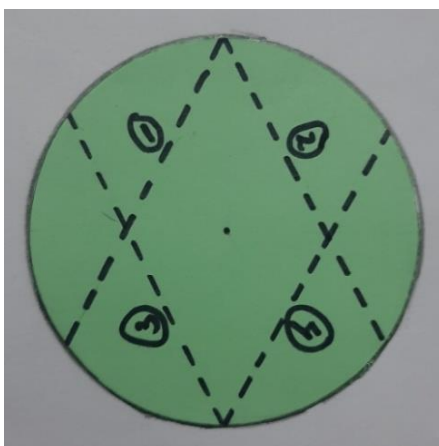


Fig.1

- Now, fold the first arc to the centre of the circle as shown in Fig.2.

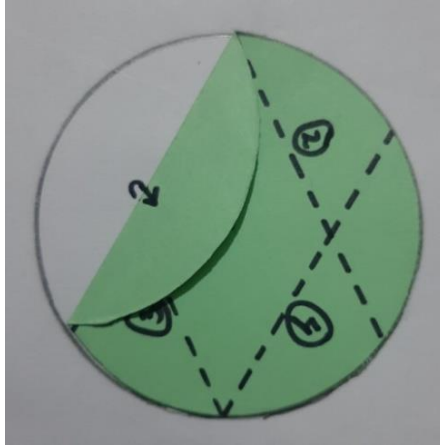


Fig.2

- Then, fold the end of the second chord to the centre of the circle as shown in Fig.3.

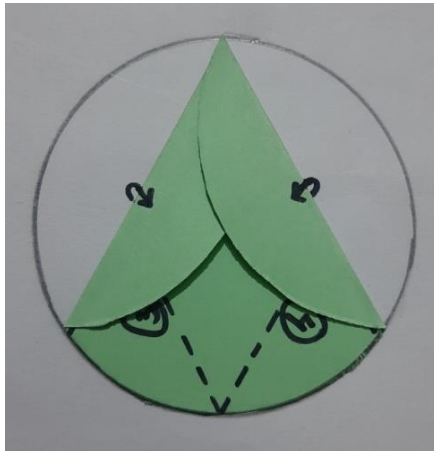


Fig.3

- Repeat the same folding with the end of the third chord as shown in Fig.4.

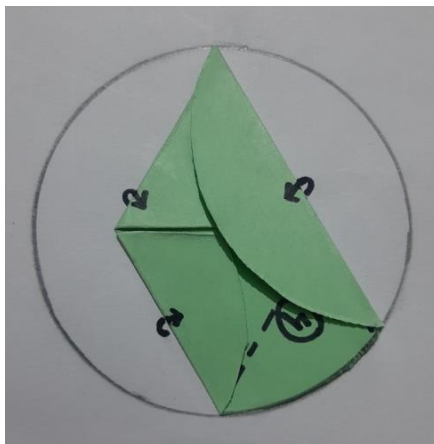


Fig.4

- Fold the fourth chord to the centre and this complete the rhombus as shown in Fig.5.

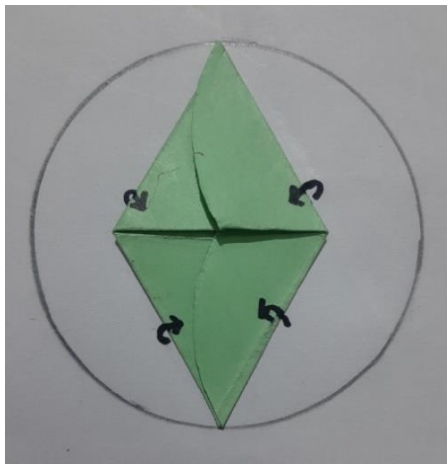


Fig.5

What have I observed?

Complete the following table:

Properties of Rhombus	Yes / No
Opposite sides parallel	
Opposite sides equal	
All sides equal	
Opposite angles equal	
Diagonals are equal	
Diagonals are perpendicular	

What have I learnt?

To design a _____ by paper folding.

What am I curious to know?

Design a parallelogram by paper folding.

Let me evaluate myself

1. Write any five real life examples of rhombus.

- (a) _____
- (b) _____
- (c) _____
- (d) _____
- (e) _____

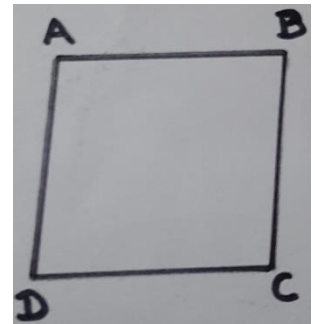
2. Why a square can be thought of as a special rhombus? Give reason.

3. Draw a rhombus PQRS. Draw its diagonals and name them. Is the meeting point of diagonal is in the interior or exterior of the rhombus PQRS.

Diagonals: _____

4. Observe the adjoining rhombus ABCD and state the following:
(a) two pairs of opposite sides

- (b) two pairs of opposite angles



5. Write any three real life applications of rhombus.

- (a) _____
(b) _____
(c) _____