

<u>Pre-Content/content</u> <u>Post-Content</u>	<u>Learning outcomes/Objectives</u>	
	<u>General</u>	<u>Specific</u>
<u>Pre-Content</u> Circle and Circular Objects <u>Content</u> Circle and its parts <u>Post-content</u> Relationship between diameter and radius	Students will : recall the objects related to circle. identify a circle and draw circles rough handed and with compass. understand the components of the circle: centre, radius and diameter. measure the diameter of the circle and mark various parts on it	Students will : visualize the circular objects around them. construct a circle using compass. distinguish between radius and diameter recognize diameter as double of radius

Home Work /Assignments

Exercises from MathMagic

Teacher's Activity	Student's Activity	Teacher's observation and Remedial
Teacher will ask the students to name some circular objects from their surroundings. conduct a paper folding activity to enable the students find the centre, radius and diameter of a circle. ANNEXURE 8 demonstrate the use of compass. explain the concept of relationship between radius and diameter	Students will enlist the circular objects around them. perform the activity and mark the various parts of the circle and name it. ANNEXURE 8 construct circle using compass. assimilate the concept of diameter and radius and record their observation in their notebooks.	Teacher will write her/his observations after completion of the topic

Teaching Aids: Active inspire, A4 size sheets, Text book , Smart Board

Methodology/Innovative Methods: Discussion, Brain storming, Activity oriented , construction , role play , Learning by Doing,Digital Technology

Interdisciplinary Links : Students will use their kinesthetic , audio and visual sense of learning and appreciate the beauty of circular objects around them.

HOD

Coordinator

Headmistress

Principal

ANNEXURE 8

Subject	MATHEMATICS
Class	IV
Chapter/Unit	Carts and Wheels
Topic	Circle and its parts
Time	30 minutes
Nature of Activity	Individual

What will I learn(Learning outcome)?

Identifying the centre, radius and diameter in a circle using paper folding activity.

Skills:- Applying ,Analysing, Accuracy, Creating.

What I have to do?

To recognise the centre, radius and diameter in a circle via learning by doing.

What do I require?

Any circular object, pencil, eraser, paper sheets.

What do I need to know?

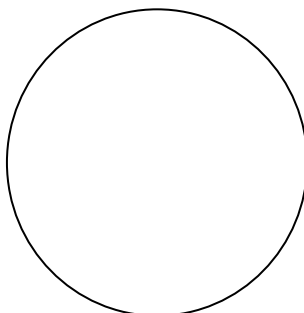
Circle and its parts.

➤ Teacher's Activity

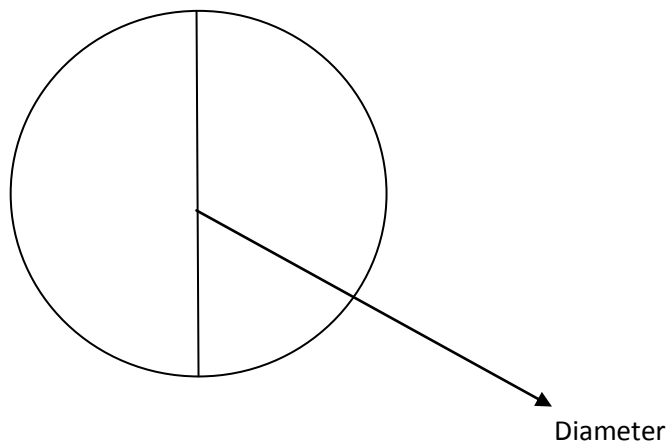
Teacher will tell the students to bring some circular objects.

How will I proceed?**➤ Student's Activity**

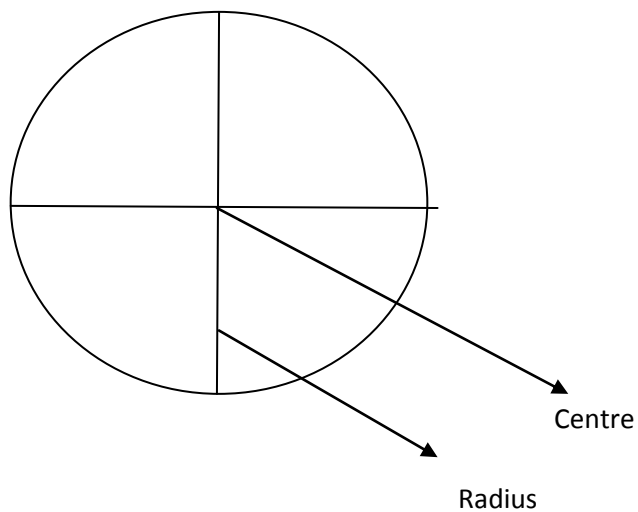
- 1) Trace a circle on a paper using any circular object such as a big bottle cap or a bangle and cut along the traced lines.



- 2) Fold the circle into two equal parts, we will get semicircle. Now unfold the semicircle and see the pleat formed is called the diameter of circle.



- 3) Again fold the half folded circle into two parts. We will get a quadrant. Now unfold it to see 4 pleat meeting at a common point. This point is called center of the circle and pleats meeting at a point are called radii of the circle.



- 4) Now measure radius and diameter of the circle using ruler and record your observation.

What have I observed?

Radius of the circle = _____ cm

Diameter of the circle = _____ cm

What have I learnt?

To measure the radius and diameter in a circle we must know the centre of the circle..

What am I curious to know?

Let me evaluate myself:

Q1) Fill in the missing number:

RADIUS	DIAMETER
4 cm	
	12 cm
	6 cm
8 cm	
	10 cm
2 cm	
7 cm	

Hint: Diameter = $2 \times$ RadiusRadius = Diameter $\div$ 2

Q2) Draw a circle with a radius 6 cm. With the same centre draw another circle of radius 4 cm. Within this circle, draw a third circle of radius 2 cm within this circle.