

**KENDRIYA VIDYALAYA, GANDHIGRAM, DINDIGUL**

**SUBJECT: MATHS**

**TOPIC: CARTS AND WHEELS (NOTES)**

**CLASS:IV**

**MONTH: AUGUST**

1.) Have you seen round things or circular things around you?

Ans: Yes, I have seen many round things.

2.) Write the name of some circular things:

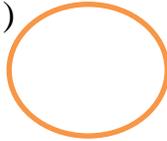
Ans: Bangle, Clock, Coins, Wheels, Ball, Cap of a water bottle, Plate, Tyres etc....

3.) Trace a circle with the help of a bangle or cap of a water bottle:

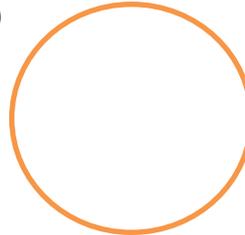
a.)



b.)



c.)



i.) Which is the smallest circle? Ans: a

ii.) Which is the biggest circle? Ans: c

4.) Circle: A simple closed curve is called a circle

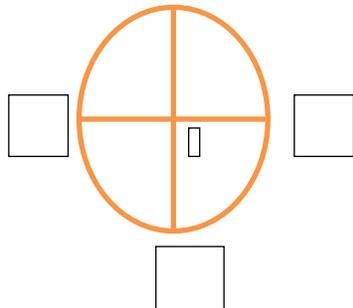
5.) Radius: It is the line that runs between the circle's edge and its centre.

6.) Diameter: Diameter is a line from one edge to another edge passing through the centre. It divides the circle into two equal halves.

7.) Circumference: Circumference is the distance around the circle.

8.) Chord: It is the line that runs from one edge to another edge but it does not touch the circle.

9.) Name the parts of the circle given below:



Here in this circle, "O" denotes Centre

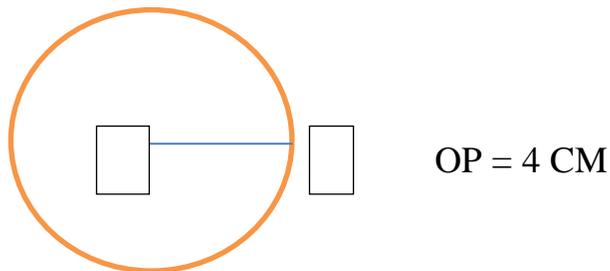
"ST" denotes Diameter

“OC” denotes Radius

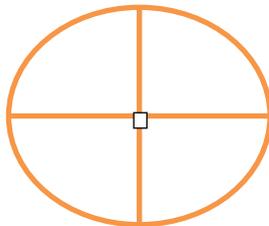
10. How to use a COMPASS:

- i.) Open your compass.
- ii.) Press the tip of the compass on the paper. Hold the compass from the top.
- iii.) Without moving the tip, try to move the Pencil around.
- iv.) Then we will form a circle.

11. Draw a circle with Radius 4 cm :

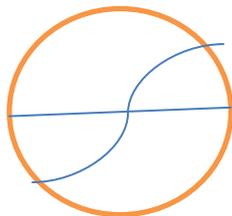


12. Finding the Centre:



Here in this Circle , The joint point of horizontal and vertical line is called as “CENTRE”.

13. We can also make a design in the Circle:

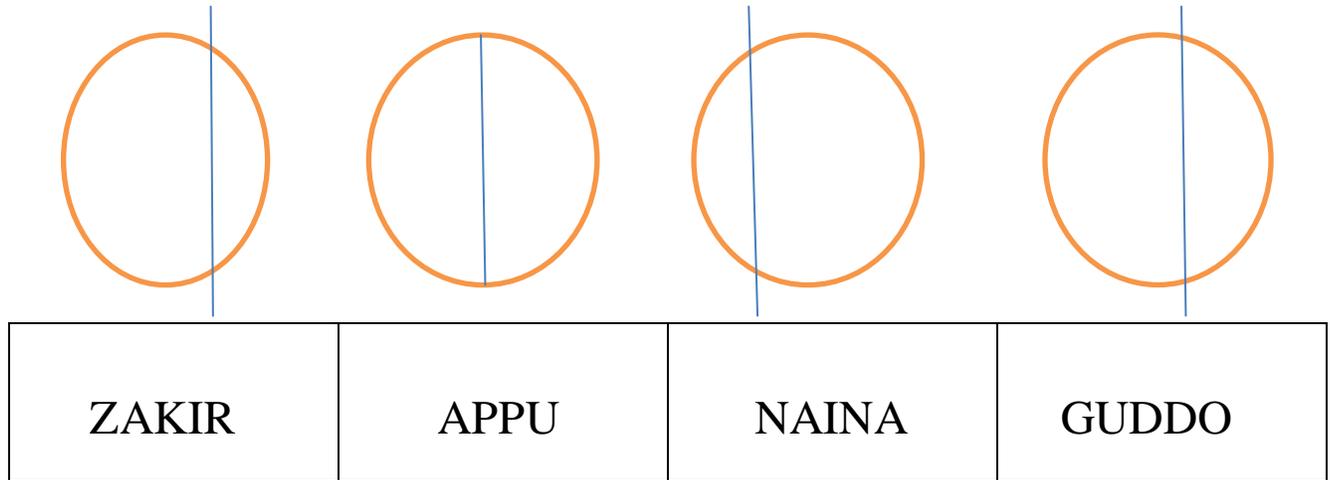


10.) Balancing act:

Can you balance a plate on your finger?

Ans: No, If we get centre of plate then we can easily balance it.

11.) Spin the Top:



- i.) Whose top will not spin at all?  
Ans: Zakir and Naina card board will not spin . Because their pin is not in the centre.
- ii.) Whose top will spin a little?  
Ans: Guddo
- iii.) Whose top will spin the best?  
Ans: Appu, Because Appu's pin is in centre of the card board.
- iv.) In whose top is the stick nearest to the centre?  
Ans: Appu