

**STD-IV**

**EVERWIN VIDHYADHRAM**

**MATHS - NOL TERM-II**

**8.CARTS AND WHEELS**

Pg: 81. Teacher’s Explanation.

Pg: 81. (In cw)

List some things around you that looks round (or) spherical in shape.

- Bowl
- Ball
- Coins
- Bangles
- Globe
- Tyre , sun
- Plate etc.

Pg:82.

- Have you ever gone to a bangle shop- yes
- Guess which of these bangles is of your size? [student’s corner]

Pg:82.

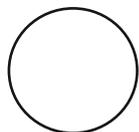
- No, the size various for my madam (or) mother.
- Coins, glass, bowl, plate.

(In class work)

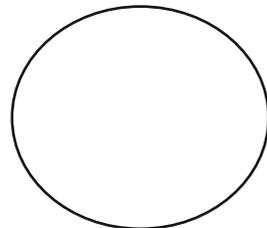
[Teacher’s ref] Trace few circles using pen Cap, coins and bangle.



Circle made  
- using pen cap



Circle made  
- using coin



Circle made using  
- Bangle.

- Cap of a pen makes the smallest circle.
- Bangle makes the biggest circle.

Pg: 83.

**GAMES WITH CIRCLES**

1. Class Activity on playing games with circles.

Pg:84.1. Class activity [Teacher’s Explanation]

Pg:85. Class activity of finding radius using nails and thread.

Pg:86. To be done in Text book (Radius of bangle using a ruler)

Radius= 1.5cm

Pg:86. [To be done in Text book]

1. Radius of green circle 1 cm
2. Radius of blue circle 1.5cm

Pg:86. Find out:

1. Yes all the wheels of a bicycle or a bullock cart are of same radius.
2. Yes, I ‘ve seen both a tractor and a road roller.
3. The wheel of a merry- go- round is the biggest wheel I’ve ever.
4. All wheels of a tractor or a road roller are not of same radius.

Pg:87. Kali[As kali has longer rope]

**Daljeet’s Design:**

Pg:87. [Teacher’s Explanation of drawing a circle using compass and ruler]

Pg:88. Draw a circle of given measurements.

[To be done in geometry note]

Radius:

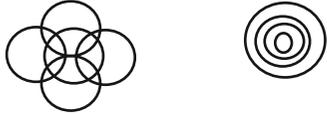
1. OA = 5cm
3. 3 cm

2.  $CD = 4.5 \text{ cm}$       4.  $5.5 \text{ cm}$

pg:88. Draw a similar circle in Text book is given space.

Pg:88. [In cw] Different designs using circle.

Pg:89. Is it a circle?



Explanations:

1. With varying centres no definite circle could be drawn. So a circle should have only one centre.
2. If again the shape of the circle is not definite, we should check the screw of the compass and tighten it to place it in an exact centre.

Pg:90. Teacher's Explanation [ Conversation]

[Finding out centres]

Pg:91. Continuation of the same topic.

Pg:92. Teacher's Explanation of finding a centre of a plate.

Pg:93.

1. Zakir and naina
2. Guddo's top
3. Appu
4. Appus

Student's activity:

Try to spin a top by making a hole at the centre of the circular piece of cardboard.