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(1) You must have seen many such round things around you. List some more in your notebook.

Ans List of some round things around me

- (a) Coins (b) Bread (c) Bowl (d) Cup (e) Tyre
(f) Plate (g) Bangles (h) Tawa (i) Wheel chair
(j) Moon (k) Sun (l) Globe (m) Ball (n) Drum etc

(2) Have you ever gone to a bangle shop?

Ans Yes, I went to a bangle shop with my mother.

(3) Guess which of these bangles is of your size.

Ans Orange bangle

(4) Take a wire & make a bangle for yourself. Can your madam or mother wear this bangle?

Ans. I made a bangle by wrapping it around a pipe. I showed this to madam or mother, she cannot wear this.

(5) A bangle can be used to trace a circle. What are the other things around you that you can use to trace a circle?

Ans There are so many things around us, which can be used to trace a circle. Such as

Coins, Bowl, Glass, Plate, Bangles etc.

(6) Trace a circle with the help of some of these in your notebook or on the ground.

Ans. Circle made using a coin, Circle made using a glass, Circle made using a compass etc. (2)

(7) Which thing makes the smallest circle?

Ans. Coin makes the smallest circle.

(8) Which thing makes the biggest circle?

Ans. Compass makes the biggest circle.

Games with circles

(1) Do you play these games?

Ans. I do play these games.

(2) Which song do you sing when you play these?

Ans. There are so many songs which we sing while playing these games.

One of them is "Rain-rain go away, come again another day. We children want to play Rain-rain go away."

(3) Why do we make a circle in each of these games?

Ans. Because a circle has no corner. And every children stand at the circles gets equal importance & opportunity.

(4) What if a rectangle was made? Discuss.

Ans. Although, some games are played by making rectangles. But some games such as cricket require a circle. If a rectangle is made in cricket, the distance of boundary from the players will become unequal.

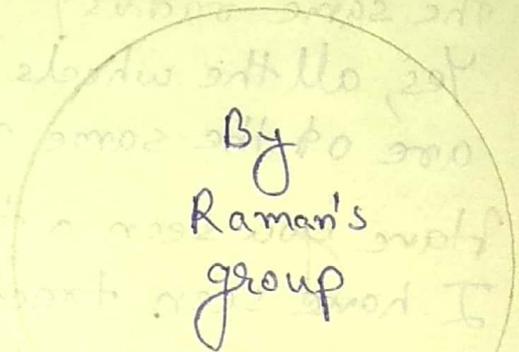
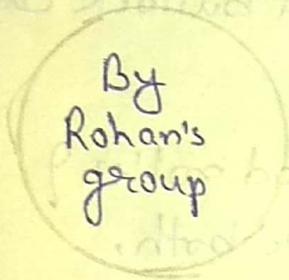
(5) Think of some other games you play by making circles.

Ans. Some games which are played by making circles are - Passing a parcel, Musical chair race, etc.

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(1) Do the activity in small groups. Each group should take a rope of a different length. See the circles made by different groups. Which group made the smallest circle?

Ans



Circle drawn by Raja's group is the smallest circle.

(2) How long was their rope?

Ans

Group	Length of their rope
Rohan's Group	2m
Raja's Group	1m
Raman's Group	4m

(3) Does a longer rope make a bigger circle?

Ans Yes

Why is it so? - Longer rope act as a bigger radius, so circle made by longest rope was biggest.

(4) What was the radius of the smallest circle?

Ans. The radius of smallest circle was 1m.

(5) Measure the radius of the wheels of a bicycle or a bullock-cart. You can use a thread or a measuring tape.

Ans. The radius of the wheels of a bicycle is 19 inches.
The radius " " " a bullock cart is 20 inches.

$1 \text{ inch} = 2.54 \text{ cm}$

(6) Are all the wheels of a bicycle or a bullock-cart of the same radius?

Ans. Yes, all the wheels of a bicycle or a bullock cart are of the same radius.

(7) Have you seen a tractor or a road roller?

Ans. I have seen tractor & road roller both.

(8) Which is the biggest wheel you have ever seen?

Ans. The wheel of a merry-go-round is the biggest wheel I have ever seen.

(9) Are all wheels of a tractor or road roller of the same radius?

Ans. No, all wheels of a tractor or a road-roller are not of the same radius. Their back wheels are bigger.

(10) Lali & Kali are tied to a pole with ropes. Kali has a longer rope. Who can look for more grass to eat?

Ans. As Kali has a longer rope, so she can look for more grass to eat.

(1) Why did Naina get such a drawing? Discuss.

Ans. Naina did not put the point of her compass again on the same place before going to find an eraser. So, she got such design.

(2) Can a circle have more than one centre?

Ans. No, a circle has only one centre.

(3) Did any one of you ever get a shape like Naina's?

Ans. Yes, so many times. When I draw a circle using more than one centres.

(4) Can you balance a plate on your finger?

Ans. No, I cannot balance a plate on my finger. It is very difficult. It requires a lot of practice.

(5) You also try to balance a plate or a round lid on your finger. Where does it balance?

Ans. The balance of a plate or a round lid is at its centre.

(6) Whose top will not spin at all?

Ans. The top made by Zaki & Naina will not spin at all.

(7) Whose top will spin a little?

Ans. Guddo's top will spin a little.

(8) Whose top will spin the best?

Ans. Appu's top will spin the best.

(9) In whose top is the stick nearest to the centre?

Ans. In Appu's top the stick is nearest to the centre.

(10) To make the top spin well, where will you make the hole?

Ans. I will make the hole at the centre to make the top spin well.