

NCERT SOLUTIONS

CLASS - 4th



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Class : 4th
Subject : Math
Chapter : 8
Chapter Name : Carts And Wheels

Q1 List some more round things in your notebook.

Answer. Moon, Sun, clock, Round biscuit, Bowl, bangle, coin, chapati.

Page : 81 , Block Name : Carts And Wheels

Q1 Have you ever gone to a bangle shop?

Answer. Yes, I have gone to bangle shop to buy red bangles.

Page : 82 , Block Name : Round Bangle

Q2 Guess which of these bangles is of your size.

Answer. the little one.

Page : 82 , Block Name : Round Bangle

Q3 Take a wire and make a bangle for yourself. Can your teacher wear this bangle?

Answer. we will take a wire with full flexibility and take around thing which is suitable to make bangle and wrap the wire around the thing and will make the bangle. No, my teacher Does not wear bangle.

Page : 82 , Block Name : Round Bangle

Q4 A bangle can be used to trace a circle. What are the other things around you that you can use to trace a circle?

Answer. we can use a round glass or a coin to draw a circle,

Page : 82 , Block Name : Round Bangle

Q6 Trace circle with the help of some of these in your notebook or on the ground.

(i) Which thing makes the smallest circle?

Answer. coin makes the smallest circle.

Page : 82 , Block Name : Round Bangle

Q6 (ii) Which thing makes the biggest circle?

Answer. wheel ring makes a bigger circle.

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Q1 Do you play these games?

Answer. Yes, I play these types of games in our school.

Page : 83 , Block Name : Games With Circles

Q2 Which song do you sing when you play these?

Answer. I sing the following song while playing these games: "I sent a letter to my father, on the way I dropped it. Someone came and picked it up and put in my pocket. Pocket, pocket, pocket."

Page : 83 , Block Name : Games With Circles

Q3 Why do we make a circle in each of these games?

Answer. we make a circle because every child gets equal chance to play.

Page : 83 , Block Name : Games With Circles

Q4 What if a rectangle was made? Discuss.

Answer. If a rectangle is made, then more chances to go out of a game and their positions are not in the equal distance.

Page : 83 , Block Name : Games With Circles

Q5 Think of some other games you play by making circles.

Answer. bitcoin game

Musical chair

Page : 83 , Block Name : Games With Circles

Q1 (a) Is any of these a good drawing of a circle. Discuss.

(b) Can you draw a circle on the floor with a chalk?

- (c) Also draw a circle in your notebook using a pencil.
- (d) Look at the circles drawn by friends. Who has drawn the best circle?

Answer. (a) No, none of these is a good circle.
(b) yes, I can make a circle with the help of the wheel.
(c) DIY
(d) DIY

Page : 84 , Block Name : Making A Circle

- Q1 (a) Which group made the smallest circle?
(b) How long was their rope?
(c) Does a longer rope make a bigger circle? Can you say why?
(d) What was the radius of the smallest circle?

Answer. (a) Shweta's group made the smallest circle.
(b) Their rope was 9 meters long.
(c) Yes, a longer rope can make a larger circle because of length.
(d) The radius of the smallest circle is 9m.

Page : 85 , Block Name : Making A Circle With A Rope

Q2 Draw the radius of this bangle using a ruler. Measure the length of the radius.

Answer. Take a point O and make a circle with OP as a radius with a ruler.

Page : 86 , Block Name : Making A Circle With A Rope

- Q3 Write the length of their radius.
(a) A radius of the circle (A)
(b) The radius of the circle (B).

Answer. (a) Radius of circle A is 2 cm.
(b) Radius of circle B is 2.5 cm.

Page : 86 , Block Name : Making A Circle With A Rope

- Q1 Measure the radius of the wheels of a bicycle or a bullock-cart. You can use a thread or a measuring tape.
(a) Are all the wheels of a bicycle or a bullock cart of the same radius?
(b) Have you seen a tractor or a road roller?
(c) Which are the biggest wheels you have ever seen?

Answer. (a) Yes, they all have the same radius because they have a moderate size.
(b) Yes, I have seen tractor as well as road roller.

(c) The biggest wheel I have ever seen is that of a merry-go-round.

Page : 86 , Block Name : Find Out

Q2 Are all the wheels of a tractor or road-roller of the same radius?

Answer. No, all the wheels and road roller are not in the same radius.

Page : 86 , Block Name : Find Out

Q3 Lali and Kali are tied to a pole with ropes. Kali has a longer rope. Who can look for more grass to eat?

Answer. Kali can look more area of grass to eat because kali has a longer rope.

Page : 87 , Block Name : Find Out

Q1 (a) Have you seen a compass before? How will you use this to make a circle?

- Open the compass.
- Press the tip of the compass on the paper. Hold the compass from the toe. Without moving the tip, try to move the pencil around.
- Do you get a circle?

(b) Is this circle better than the one you made earlier without a compass? Draw the radius of this circle and measure it.

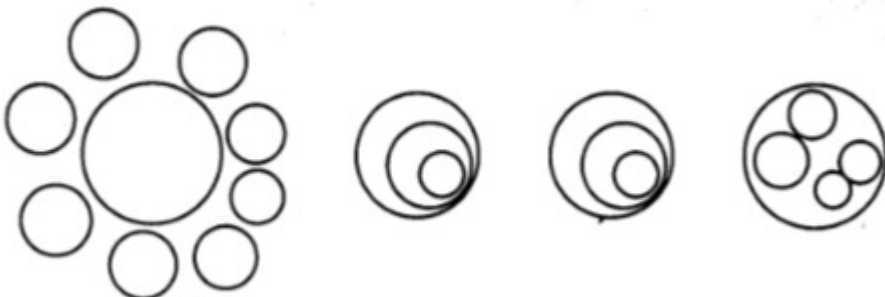
(c) Now you can make your own designs like Daljeet had made. How many did you make?

Answer. (a) yes, we get the circle by using the compass.

(b) Yes, it is better than the circle which I have made without a compass.

Its radius is 2 cm.

(c) I can make several designs. Some of them given here



Page : 88 , Block Name : Using A Compass

Q1 (a) Why did Naina get such a drawing? Discuss.

(b) Can a circle have more than one center?

(c) Did any one of you ever get a like Nain's?

Answer. (a) 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.

(b) No, a circle has only one centre.

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

Page : 89 , Block Name : Is It A Circle

Q1 (a) Can you balance a plate on your finger?

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

Answer. (a) No, I cannot balance a plate on my finger.

(b) if I balance a plate on my finger then I should focus at the center.

Page : 92 , Block Name : Balancing Act

Q1 Guess

(a) Whose top will not spin at all?

(b) Whose top will spin a little?

(c) Whose top will spin the best?

(d) In whose top is the stick nearest to the center?

Answer. (a) Zakir's and Naina's top do not spin perfectly.

(b) Guddu's top will spin little correct.

(c) Appu's top will spin perfectly

(d) Appu's top is the nearest to center.

Page : 93 , Block Name : Spin The Top