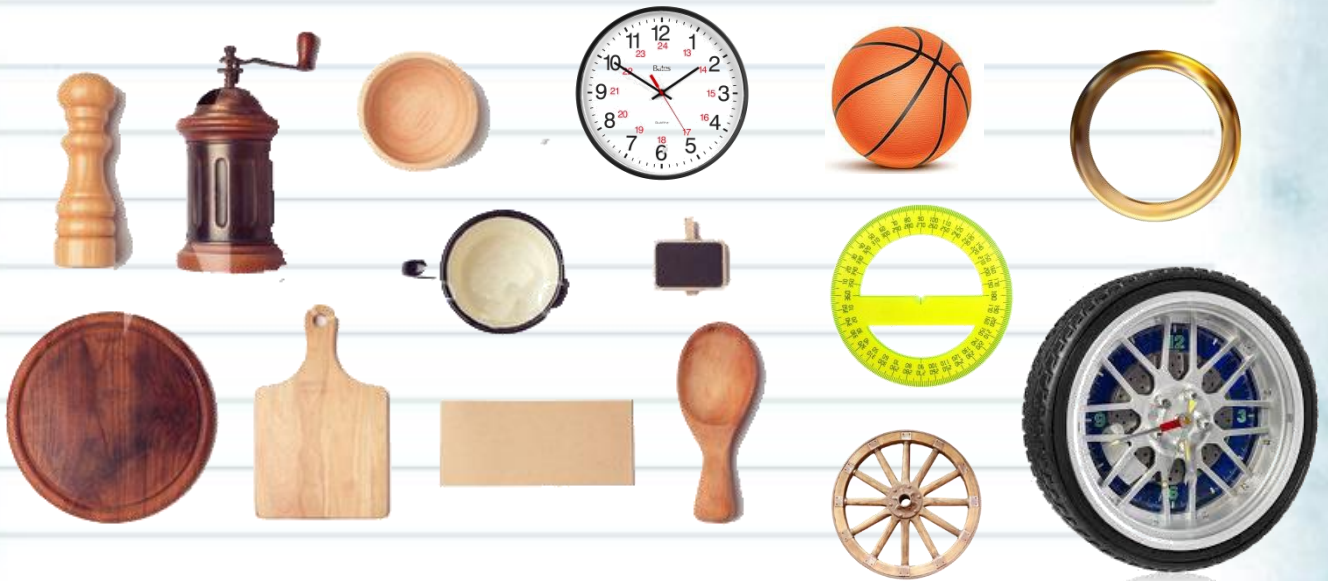


Circles

Grade
6

- Under line the items which are circular in shape from following items.



- Draw 5 circles in different size using items which are circular shaped.

Circular lamina

Involve in the following activity.

Step 1 - Using a cup, draw the circular shape on a piece of paper.

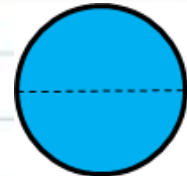
Step 2 - Separate the circular part, cutting along the curved line of the circular shape. Then we obtain a circular lamina.



Step 3 - Fold this circular lamina as shown in the figure, so that it is divided into two equal parts.



Step 4 - With the aid of a ruler, mark the fold line using a pencil.

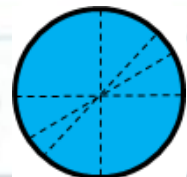


Step 5 - Fold the circular lamina again as before, into two equal parts along a different fold line.

Step 6 - Mark this second fold line too with a pencil as done previously. Mark several other such fold lines, in the same manner as above.

Step 7 - Observe that all these fold lines pass through the same point. See whether the distance from this point to several points on the curved edge are equal to each other using a ruler.

Do the above activity using a saucer and a coin too.



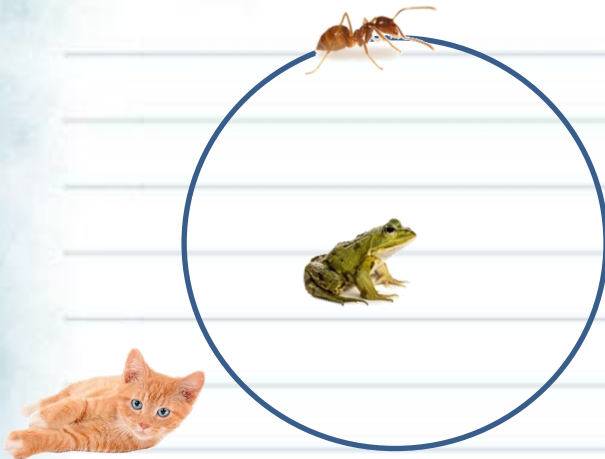
Through this activity, the fact that the distance from the point where the fold lines which divide the circular lamina into two equal parts intersect, to any point on the curved edge of the lamina is the same is established.

Identify the area related to circle.

Select the suitable answer and

write in the blanks.

(on , inside , outside)



is of the circle.



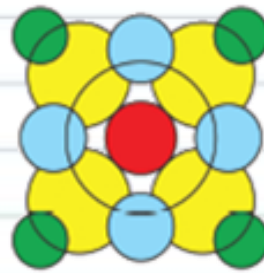
is the circle.



is of the circle.

- Draw three designs using circle of different sizes.

- Eg :

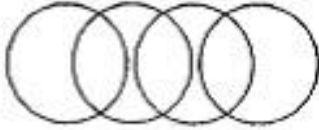


(01) a) Write 4 items in which the circular shape can be observed in your house.

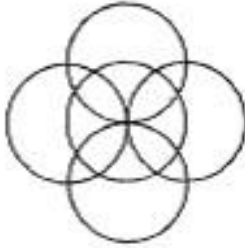
(i) _____ (ii) _____
(iii) _____ (iv) _____

b) Write the number of circles that can be found in the following circular designs .

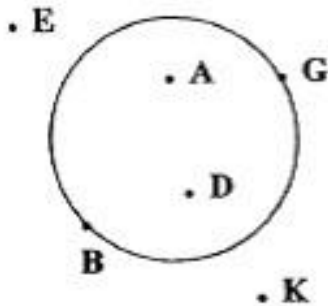
i)



ii)



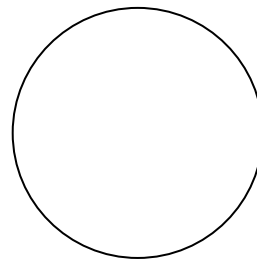
c) The figure shows an arrangement of students being in a circle drawn in the playground. Fill the table according to that.



Letters that denote the students in the circle	Letters that denote the students outside the circle	Letters that denote the students on the circle

(2) In the given circle,

- Write letter A inside the circle
- Write letter B outside the circle.
- Write letter C on the circle.



- (3)
- How many circles are there in this figure.
 - Mark a point M to be inside in both the circles A and B.
 - Mark a point P on the circle A.
 - Mark a point Q to be outside of the circle A and to be inside of the circle B.
 - Mark a point R to be outside of the circles A and B

