Enverchment Actevety
Check Poon :-
Use a compass to draw circles of radicy, 1. $2 \frac{1}{2} \mathrm{~cm}$.


It is the required circle with centre o and radius $\overline{O A}=2 \frac{1}{2} \mathrm{~cm}$
2. 6 cm


If is the required circle with centre $A$ and t radius) $\overline{A B}$ EC. 6 m .

$$
E x-7 \cdot 3
$$

Given length of radius $=3 \mathrm{~cm}$


It is the required circle of centre $o$ and radices $\overline{O D}=3 \mathrm{~cm}$.

Given length of diameter $=9 \mathrm{~cm}$
so Length of radices $=\frac{9}{2} \mathrm{~cm}=4 \frac{1}{2} \mathrm{~cm}$


It is the required circle of diameter Xm $\overline{A B}=$ radices and $\overline{C D}$ is diameter.

## EXERCISE 7.3

A. In the circle name the

1. centre
2. a radius
3. a diameter
4. points in the interior

5. points on the circle

6. A circle is a polygon.
7. A polygon is a simple closed curve.


A fitangle is a polygon made of 3 line segments.
All radii of a circle are equal.
The diameter is half of the radius.
Draw a circle of radius 3 cm . Name its centre 0 and radius (O).
Draw a circle of diameter 9 cm . Name its centre A, diameter (1) radius AB.

## POINTS TO REMEMBER

- A point shows an exact location. It is represented by a dot (.) and named with a capital letter.
- A segment is a straight path between two points. It is the short e distance between two points.
- A line goes on indefinitely in both the directions. It has no fix and cannot be measured.
- A ray has a starting point (initial point) and goes on indefini direction. It has no fixed length.
- A shape or a figure that begins and ends at two different po an open shape.
and ends at the same point

SHAPES and PATTERNS

## WARM UP

A. Tick $(\alpha)$ the objects that are symmetrical.

4.

2.
5.

B. Draw the line of symmetry.

2.


3.



LEARNING BY D

- Take a shee
- Write IX
- Look at


The line which divides a figure into two mirror halves is called the line of symmetry.

## C. Draw the mirror image and colour it.

1. 


2.

3.

B. Draw the reflection of each shape.


## PATTERNS

We see patterns not only on clothes but everywhere in nature. Look at the beautiful kites. They also follow a pattern.



s patterns

## 

A floor design

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ISE 8.2
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