

Chapter –9 Shapes, Patterns and Nets

1. Fill in the blanks:

- Shapes which are formed only with straight lines are called _____.
- A polygon with 3 line segments is called _____.
- The length of the circle is called its _____.
- The diameter of a circle is _____ the length of the radius.
- A reflection is like a _____.
- Designs made with shapes that fit into each other without any gaps or overlaps are called _____.

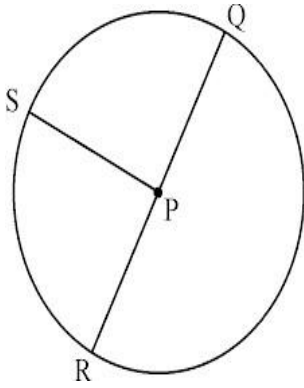
2. Write T for true and F for false

- A polygon with 4 line segment is called quadrilateral. _____
- The radius of a circle is twice the length of its diameter. _____
- The diameter of a circle goes through centre of the circle. _____
- A compass is used to draw a line. _____
- The line of symmetry is the imaginary line. _____
- Nets are closed shapes. _____

3. Complete the table.

S.NO	Radius	Diameter
a.	2 cm	
b.		6m
c.		10m
d.	7cm	

4. Name the centre ,radius and the diameter of the circle given

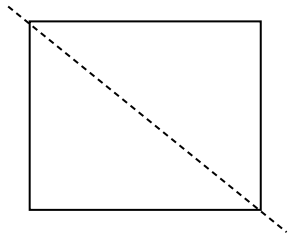


a. Name the centre: _____

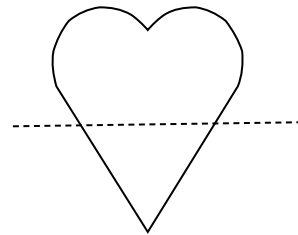
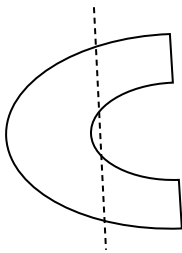
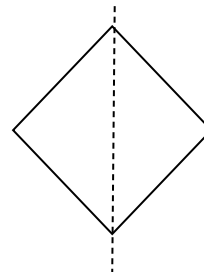
b. Name the diameter: _____

c. Name three radii: _____

5. Identify and tick which of the dotted lines is a line of symmetry in the shapes given below



b)

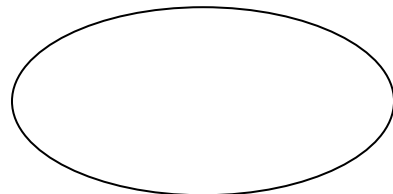


6. Draw and write the number of lines of symmetry in the following shapes:

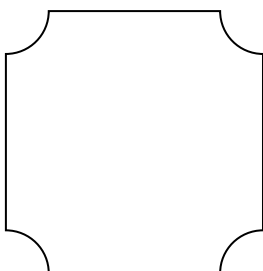
a)



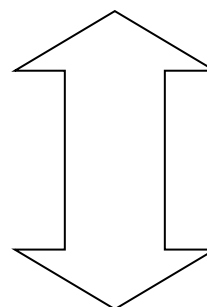
b)



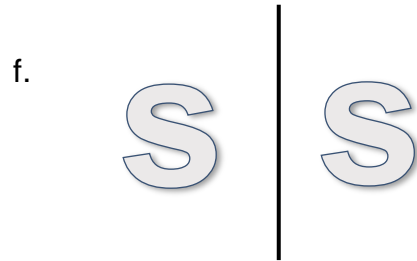
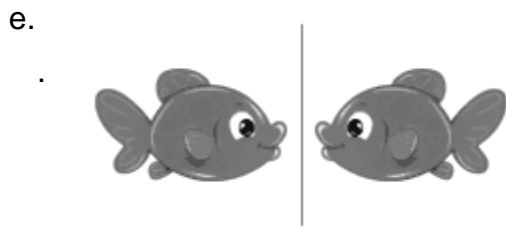
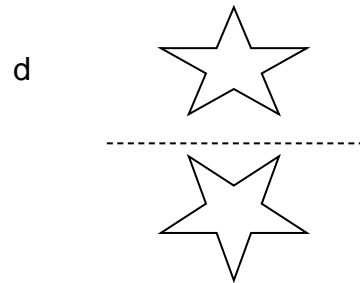
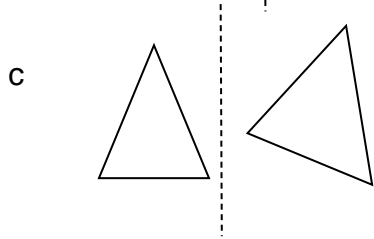
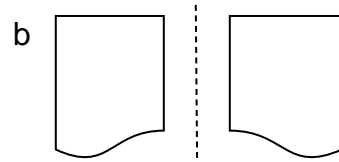
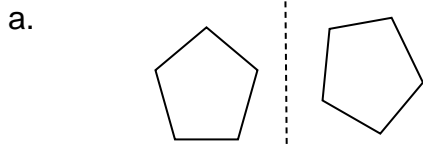
c)



d)



7. Tick those figures that are reflection of each other.



8. Make tessellation pattern using shapes of your own choice.

9. Tick the patterns which do not tessellate:

