

INTERNATIONAL INDIAN SCHOOL BURAIDAH

Worksheet for the Academic Year 2025-26

Class -4<sup>th</sup>

Subject : Maths

Date : 10/06/2025

Chapter # 9 Shapes, Patterns, and Nets

**A.Fill in the blanks:**

- 1) Closed shapes formed only with straight lines are called \_\_\_\_\_.
- 2) The length of a circle is called its \_\_\_\_\_.
- 3) A polygon with three line segments is called \_\_\_\_\_.
- 4) \_\_\_\_\_ is the distance from the centre to any point on the circle.
- 5) A polygon with \_\_\_\_\_ line segments is called quadrilateral.
- 6) Closed shapes are also called \_\_\_\_\_.
- 7) A closed shape that does not cross itself is a \_\_\_\_\_.
- 8) A \_\_\_\_\_ is named according to the number of sides it has.
- 9) Diameter = 2 x \_\_\_\_\_
- 10) Circles with same centre and different radii are called \_\_\_\_\_

**B. Choose the correct answer**

- 1) A \_\_\_\_\_ is a special rectangle in which all four sides are equal.  
a) rectangle                      b) square                      c) triangle
- 2) A \_\_\_\_\_ is like a mirror image  
a) tessellation                      b) pattern                      c) reflection
- 3) A square has \_\_\_\_\_ lines of symmetry.  
a) 4                                      b) 3                                      c) 2
- 4) If the radius of a circle is 8 cm, its diameter will be \_\_\_\_\_.  
a) 4 cm                                      b) 16 cm                                      c) 10 cm

**C. Write true or false**

- 1) A circle is a simple closed curve. \_\_\_\_\_
- 2) Designs made without any gap or overlapping are called tessellation.
- 3) Diameter of a circle is twice its radius. \_\_\_\_\_
- 4) All quadrilaterals are squares. \_\_\_\_\_
- 5) A triangle is a polygon. \_\_\_\_\_
- 6) All radii of a circle are not equal. \_\_\_\_\_
- 7) A rectangle has 4 lines of symmetry. \_\_\_\_\_

**D. Find the radius of the circles with the given diameters.**

- a) 42 cm                      b) 70 m                      c) 36 cm

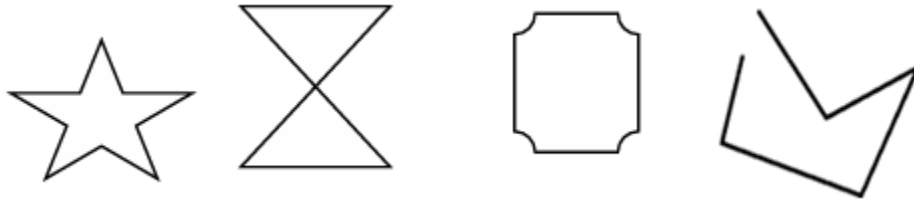
**E. Find the diameter of the circles with the given radii.**

- a) 14 cm                      b) 27 cm                      c) 9 m

**F. Draw the lines of symmetry for the following figures**



**G. Put a tick mark on the simple closed curve**



**H. Draw the reflection of the given images.**

