INTERNATIONAL INDIAN SCHOOL BURAIDAH

Worksheet for the Academic Year 2026-27

Class -4th Subject : Maths Date :

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

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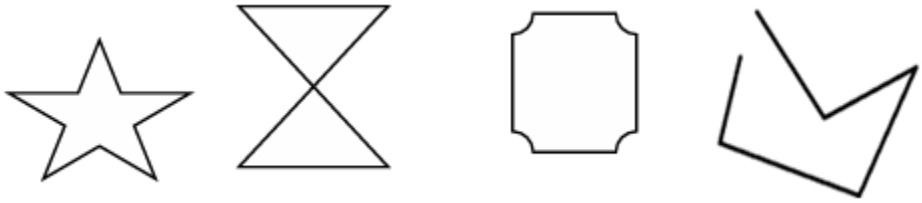
E. Find the diameter of the circles with the given radii.

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

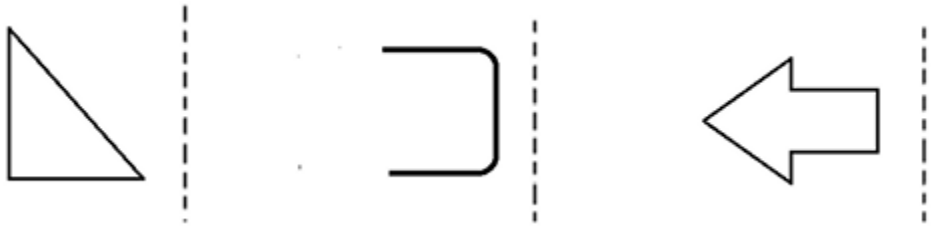
F. Draw the lines of symmetry for the following figures



G. Put a tick mark on the simple closed curve



H. Draw the reflection of the given images.



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