L – 10 (Geometry) , L- 11   (Perimeter and Area)

Q-1) Choose the correct option.

1) A shape that has 4 sides is called a _____ .
   a) Triangle   b) quadrilateral   c) circle

2) The distance around a closed figure is called   _____ .
   a) Perimeter   b) Area   c) length

3) A square has _____ .
   a) 2 equal sides   b) all sides equal   c) no sides

4) The area of a figure is measured in
   a) cm   b) cm²   c) m

5) Which of the following has no corners?
   a) triangle   b) rectangle   c) circle

6) The longest chord of a circle is called the _____.
   a) radius   b) diameter   c) centre

7) If the diameter of a circle is 12 cm its radius is _____ .
   a) 6 cm   b) 10 cm   c) 12 cm

8) Perimeter of a triangle whose sides are 12cm , 16 cm and 20 cm is _____ cm.
   a) 48   b) 47   c) 46

9) If 'NICE' is coded as 'MHBD' , how is 'GOOD' written in that code ?
   a) CNNF   b) FNNC   c) FCNN

10) If 'POND' is written as 'ONMC' , how is 'LAKE' written in that code ?
   a) KZJD   b) KBJD   c) MZJD

Q-2) Fill in the blanks.

1) A triangle has _____ sides.
2) The perimeter of a square = _____ × side
3) Circle with same centre are known as _____circles.
4) A rectangle has _____ pairs of equal sides.
5) The area of a rectangle = _____ × _____
6) The distance from the centre of a circle to its boundary is called the _____.
7) The _____ is twice the radius of a circle.
8) A circle has _____ corners.
9) A 5 sided polygon is called a _____ .
10) The _____ is the measure of the flat surface enclosing a figure.

Q-3) Write True or False.

1) A square is a special rectangle.   _____
2) Perimeter tells how much space a shape covers.   _____
3) An octagon is a polygon with 7 sides.   _____
4) Area is measured in square units.   _____

5) A triangle has four corners. _____

6) A diameter is twice the radius. _____

7) A circle has straight sides. _____

8) Every circle has exactly one centre. _____

9) Bird : Fly :: Fish : Walk _____

10) 11: 121 :: 15 : 425 _____

Q-4) Match the following.

1. Triangle	a) 4 equal sides	1. ____
2. Rectangle	b) distance around a shape	2. ____
3. Square	c) opposite sides equal	3. ____
4. Perimeter	d) 3 sides	4. ____

Q-5) Do as directed.

1) Find the perimeter of the square whose side is:

   a) 8cm   b) 13 cm

2) Find the perimeter of the rectangle whose length and breadth are:

   a) 4cm , 2cm   b) 17 cm , 9 cm

3) Find the area of rectangles of dimensions:

   a) 24 cm by 19 cm   b) 12 cm by 9 cm

4) What is the length of the side of a square whose perimeter is:

   a) 112 cm   b) 96 cm

5) From the following figure name the points which lie in the:
   a) Interior of circle
   b) Exterior of circle
   c) On its circumference
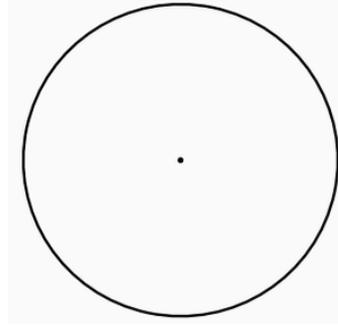
6) Draw the following:

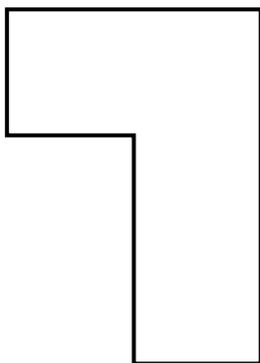| a) Ray	b) Line segment	c) Hexagon	d) Octagon

7) In the figure, name the parts of the circle:
   a) Centre   _____
   b) Radius   _____
   c) Diameter _____
   d) Chord   _____
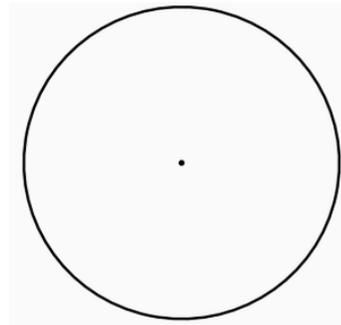
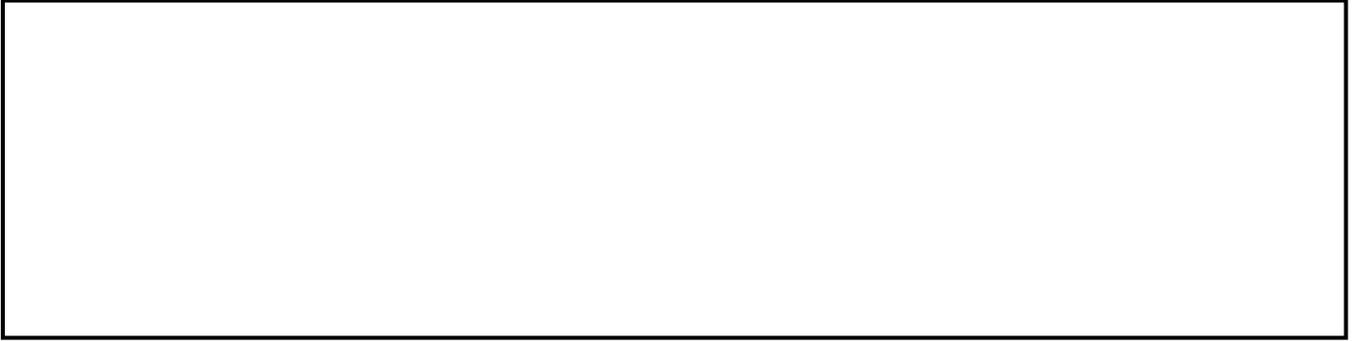8) Find the perimeter of the given figure with the help of given measures:

9) Draw a circle whose radius is 3 cm and find its diameter:

Q-7. Story sums.

1. The length of a rectangle is 10 cm and breadth is 6 cm. Find its perimeter.

2. A square garden has a side of 12 m. Find its area.

3. Riya wants to put a ribbon around a photo frame of length 9 cm and breadth 5 cm. How much ribbon does she need?

4. Find the length of a rectangle whose area is 96 sq. cm and breadth is 12 cm.