**1. Which of the following has no end points?**
   A. a line   B. a ray   C. a line segment   D. none of these

2. The number of points required to name a line is
   A. 1   B.   2   C.   3   D.4

3. The number of lines that can be drawn through two distinct points is
   A. 1   B. 2   C. 3   D. infinite

4. The figure formed by two rays with same initial point is
   A. a line   B. a line segment   C. a ray   D. an angle

5. A polygon having four sides & four angles is known as
   A. a triangle   B. a pentagon   C. a quadrilateral   D. circle

6. Which of the option regarding triangles is false?
   A. three sides   B. three angles   C. three vertices   D. two diagonals

7. By joining any two points of a circle, we obtain its
   A. radii   B. chord   C. circumference   D. ray

8. If the diameter of a circle is 8 cm, then the length of its radius is
   A. 8cm   B. 4 cm   C. 2 cm   D. 1cm

9. Radius of a circle is one half of its …………………..

10. All radii of a circle are ………………

11. A quadrilateral has …….. diagonals.

12. There is exactly one line passing through ………… distinct points in a plane.

13. A line segment formed by joining two non-adjacent vertices of a polygon is called its ……….. .

14. Can a sector and segment of a circle coincide? If so, name it?

15. In the given figure, name: i) all triangles   ii) all triangles having point 'E' as common vertex.
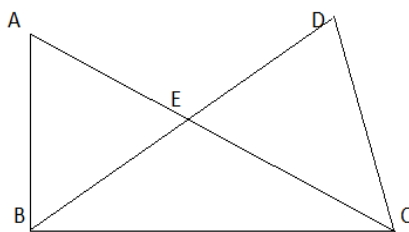
16. Answer the following questions.

   i) Is ABCDEFG a polygon?

   ii) How many sides does it have? Name them also?
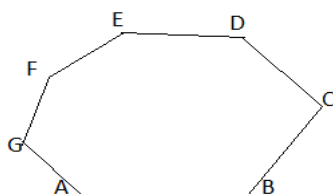
ANSWERS

1. A
2. A
3. A
4. D
5. C
6. D
7. B
8. B
9. Diameter
10. Equal
11. 2(Two)
12. 2(Two)
13. Diagonal
14. Yes, Diameter
15. i) ΔABC, ΔDBC, ΔEBC, ΔEAB, ΔDEC

   ii)ΔEBC, ΔEAB, ΔDEC

16. i) Yes

   ii) Seven, AB, BC, CD,DE, EF, FG, GA.