

1. Fill in the blanks.

- a. The flat surface of a solid shape is called _____.
- b. _____ and _____ have the same number of faces, edges and corners .
- c. An _____ is a line segment where two faces meet.
- d. A _____ is a point where the edges meet.
- e. A _____ is closed plane shape made up of three or more line segments.
- f. _____ is polygon with 6 line segments .
- g. A _____ is a special quadrilateral in which the opposite sides are of equal length.
- h. A circle is a simple _____ curve.
- i. The mid-point of a circle is called its _____.
- j. The length of the boundary of a circle is its _____.
- k. If any two points on a circle are joined with a line, it is called a _____.
- l. The longest chord of a circle which passes through the centre is called its _____.
- m. The line joining the centre to any point on the circle is called the _____.
- n. Diameter = 2 x _____
- o. 10 mm = 1 _____

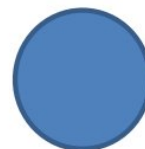
2. Look at the following figures and then complete the following.



Faces _____
Edges _____
Vertices _____



Faces _____
Edges _____
Vertices _____



Faces _____
Edges _____
Vertices _____

3. Classify as an open curve or a closed curve.







4. **Draw line segments of the following measures using a ruler.**

a. 6 cm 8 mm

b. 4 cm 5 mm

c. 3 cm 4 mm

5. **Measure the length of the given line segments.**

a.



b.



6. **Find the diameter for the given radii.**

a. 23 cm

b. 45 cm

c. 18 cm

7. **Find the radius for the given diameters.**

a. 44 cm

b. 26 cm

c. 68 cm

8. **Draw circles with the given radii.**

a. 3 cm

b. 4 cm 5mm

c. 2cm 5 mm

9. Draw three polygons with different number of sides.

10. The diameter of a circular swimming pool is 48 m. What will be its radius ?