GOBIND GURU SINGH PUBLIC SCHOOL CHAS, BOKARO

CLASS: IV **SUBJECT : MATHS**

LESSON 5: Geometry **DATE : 17 AUGUST ,2020**

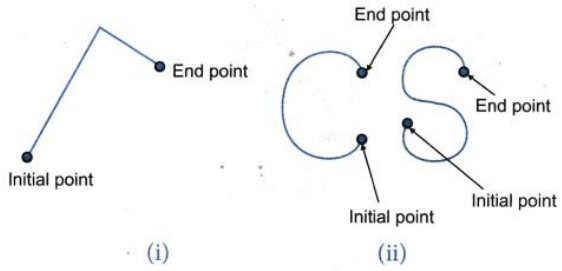
ASSIGNMENT 17

Learning Content: (WRITE IN YOUR NOTE BOOK)

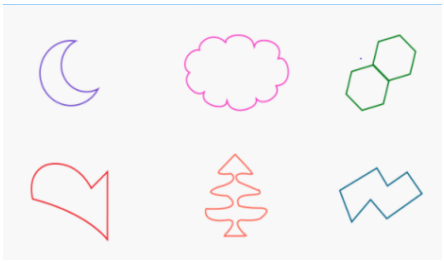
Open Figures : Figures having two end points are called open figures.

Closed Figures : Figures having same starting points are known as closed figures.

Example of open figures



Example of closed figures



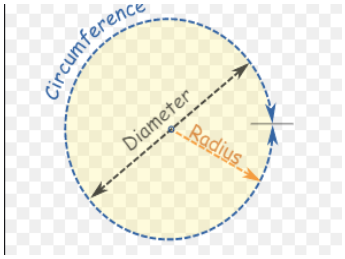
CIRCLES : A closed figure with no sides or corners is known as circle. Ex – bangle ,coin , bottle cap.

Terms associated with circles are : CENTRE ,RADIUS, CIRCUMFERENCE, CHORD AND DIAMETER.

Diameter is the longest chord of the circle .

A circle can have many radii, diameter and chord.

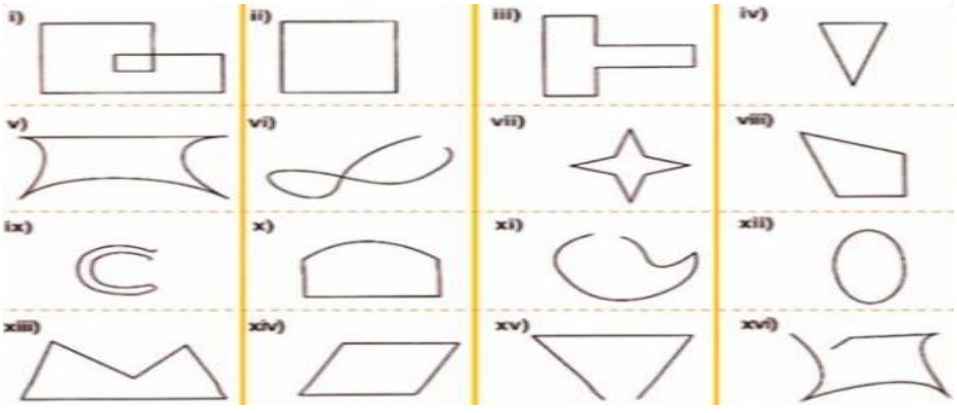
Every diameter is a chord but every chord is not a diameter.



FORMULA : a. DIAMETER = 2 X RADIUS

b. RADIUS = $\frac{1}{2}$ X DIAMETER.

Q.1. Identify the open figures from the given set of pictures.



ANS: vi ,ix, xi, xv, xvi

Q.2. Find the diameter of a circle with the given radii : (use formula to)

a. r = 4 cm b. r = 6cm c. r = 5.5 cm

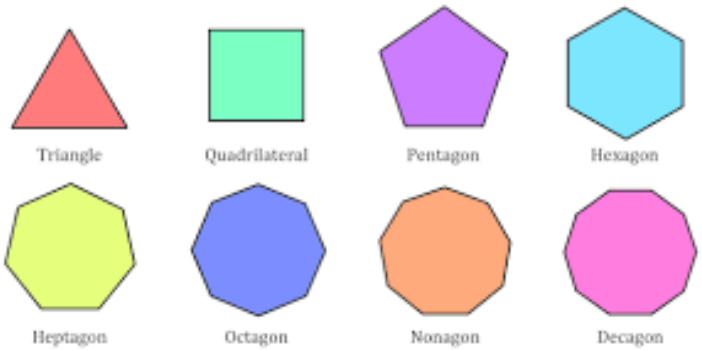
ANS : 8 cm 12 cm 11cm

Q.3. Find the radius of a circle with the given diameters: (use formula)

a. d = 7cm b. d = 4.8 cm c. d= 7.6

ANS: 3.5 cm 2.4 cm 3.8 cm

POLYGONS : The closed figures made of only line segments are called polygons .



The line segments that forms a polygon are called its sides, and the point where two sides meet is called vertex.

Q. 4. Answer the following questions:

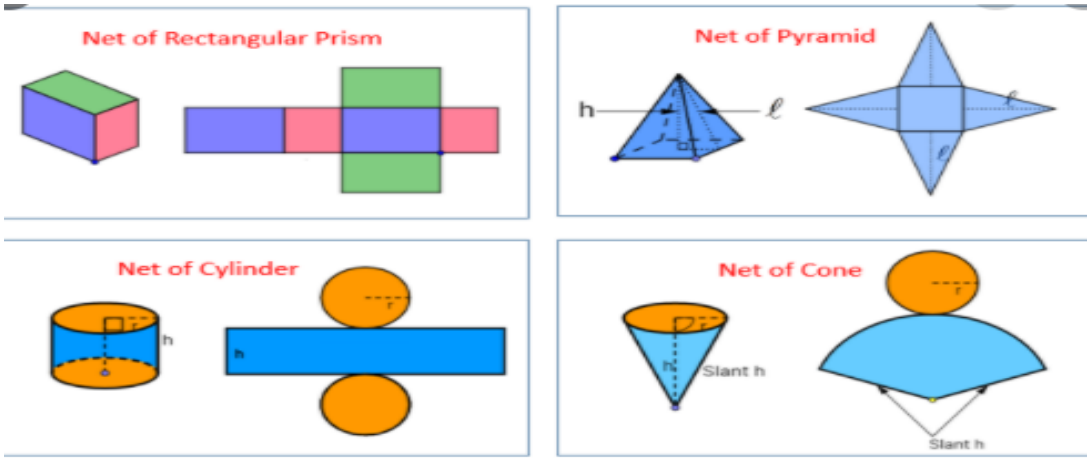
a. How many sides does an octagon have?

b. How many angles does a triangle have?

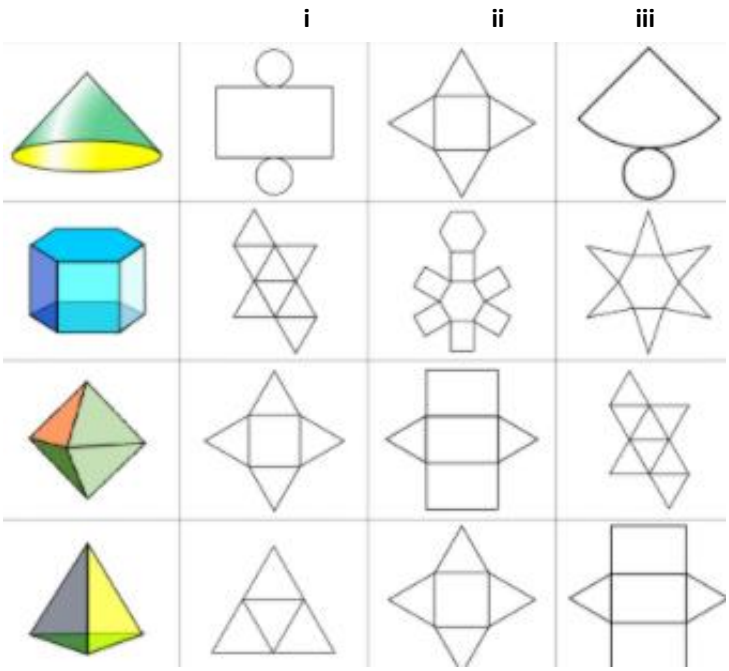
c. Which has more sides: a hexagon or a heptagon?

ANS : a. 8 b. 3 c. heptagon

NETS OF SOLIDS: A geometry net is a two-dimensional shape that can be folded to form a three-dimensional shape or a solid.



Q. 5. Identify the correct figures.



ANS: iii ii iii ii

MATHS ACTIVITY:

Make a pattern with the help of colourful bindis on a A-4 size sheet.