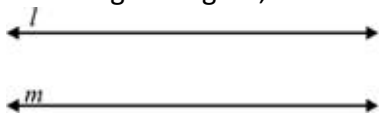<1M>

1.In the given figure, lines l and m are ……………….. to each other.

(A) perpendicular   (B) parallel   (C) intersect   (D) None of them.

2.a) If a clock hand starts from 12 and stops at 12 What type of angle does it make

3.In triangle ABC, AB = 13cm , BC = 13 cm , CA = 5cm. Classify the triangle on the basis of it's sides.

4.What helps in forming the shape of all the objects around us?
(A) curves   (B) lines   (C) Both 'a' and 'b'   (D) None of them

5.What is a line segment?
(A) A dot   (B) An unending line   (C) A fixed portion   (D) All of them

6.How do we find a relation between two line segments?
(A) By comparing their width   (B) By comparing their length
(C) By comparing their height   (D) None of them

7.Which of the following is correct definition of length?
(A) The distance between the centre of a circle and its circumference.
(B) The distance between the end points of a line segment.
(C) The distance covered during one revolution.
(D) None of them.

8.Match the following from the code given below :
      Column A   Column B
      (A) All the three sides of a triangle are of unequal length.   (i) Rectangle
      (B) Parallelogram with all angles 90° is   (ii) Equilateral Triangle
      (C) All the three sides of a triangle are equal.   (iii) Parallelogram
      (D) A quadrilateral having two pairs of parallel sides.   (iv) Scalene Triangle

(A) A-(i); B-(ii); C-(iii); D-(iv)   (B) A-(iv); B-(i); C-(ii); D-(iii)
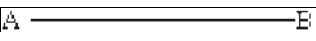(C) A-(iii); B-(ii); C-(i); D-(iv)   (D) A-(ii); B-(iii); C-(i); D-(iv)
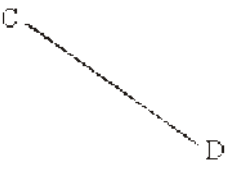
9.Top view of a brick looks.
(A) Triangular   (B) Circular   (C) Rectangular   (D) Square

10.A _____ resembles a round marble used for playing.
(A) cone   (B) cylinder   (C) sphere   (D) All of them

11.Name the type of a triangle formed with lengths of sides 7 cm, 8 cm and 9 cm.
(A) Right angled triangle   (B) Isosceles triangle   (C) Scalene triangle   (D) None of them

12.If all the angles of a triangle are equal, then its sides are _____.
(A) equal   (B) unequal   (C) uneven   (D) parallel

13.What is the measure of a straight angle?
(A) 90° (B) 60° (C) 180° (D) 0°

14.An angle whose measure is less than that of a right angle is _____.
(A) Reflex Angle   (B) Acute Angle   (C) Obtuse Angle   (D) Straight Angle

15.Which direction will you face if you start with facing in east and make one and a half revolution clockwise?
(A) East   (B) West   (C) North   (D) South

16.How many millimetres make one metre?
(A) 10 mm   (B) 100mm   (C) 1/10 mm   (D) 1000mm

17.Which of the following are models for perpendicular lines?
(A) The adjacent edges of a table top   (B) The lines of a railway track
(C) The line segments forming the letter 'M' (D) The letter 'V'

18.We use a _____ to measure the size of an angle in Degrees.
(A) set square   (B) protractor   (C) ruler   (D) divider

19.What will we name the triangle LMN with angle L= 30°, angle M= 70 and angle N= 80?
(A) Obtuse Angled Triangle   (B) Acute Angled Triangle
(C) Right Angled Triangle   (D) None of them

20.Find the number of right angles made by the hour hand of a clock when it goes from 12 o'clock to 9 o' clock.
(A) 2   (B) 3   (C) 1   (D) 4

21.Which of the following statements are true? Choose the correct answer from the code given below :
(i) Each angle of a square is a right angle.
(ii) All the sides of a parallelogram are of equal length.
(iii) The diagonals of a square are perpendicular to one another.

(A) Only option (i)   (B) Only (i) and (iii)   (C) Only option (ii)   (D) All of them
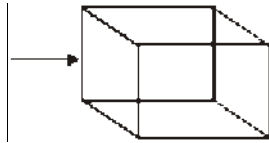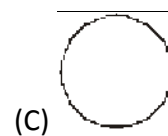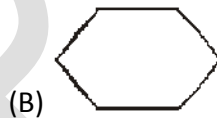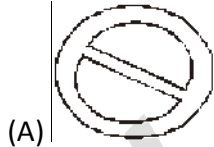
22. Which of the following lines is longest?

(A) A ———————— B

(B) [figure: line segment from C to D]

(C) E ———— F

(D) All lines are equal

23. What does the arrow show in the following figure?

[figure: arrow pointing to a cube]

(A) Face   (B) Edge   (C) Vertex   (D) None of them

24. Which of the following is a polygon?

(A) [figure]   (B) [hexagon figure]   (C) [circle figure]   (D)

25. Match of the following -:

     Column A   Column B

[figure: sphere]

(A) Cone   (i)

(B) Pyramid (ii)
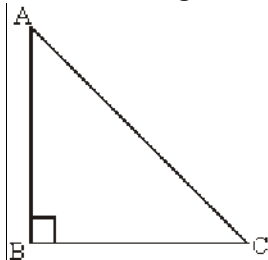
(C) Sphere (iii)

(D) Cylinder (iv)
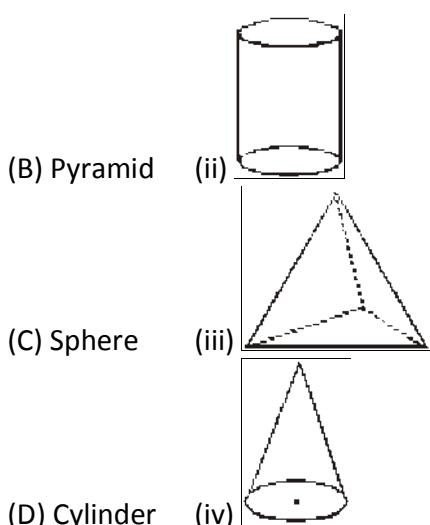
(A) A-(i); B-(iv); C-(iii); D-(ii)　　　　(B) A-(ii); B-(iii); C-(iv); D-(i)
(C) A-(iii); B-(ii); C-(i); D-(iv)　　　　(D) A-(iv); B-(iii); C-(i); D-(ii)

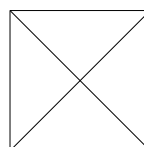26. Name the given triangle on the basis of its angles.

(A) Obtuse Angled Triangle　　(B) Right Angled Triangle
(C) Acute Angled Triangle　　(D) none of them

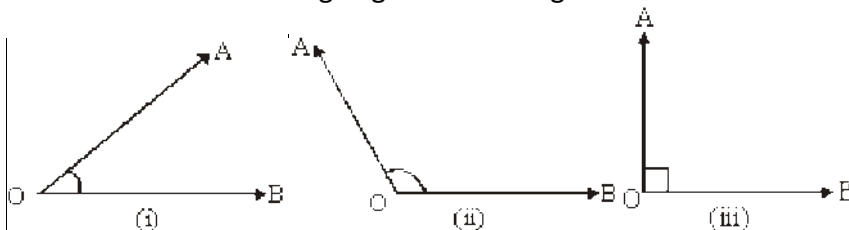27. Name the angle AOB in figure given below :

(A) Straight Angle　　(B) Obtuse Angle
(C) Reflex Angle　　(D) None of them

28. Which of the following angles have a larger measure?

(A) (i)　　　(B) (ii)　　　(C) (iii)　　　(D) All are same measure

29. Measure of Straight angle is < 180º (T/F)

30. Is rectangle a quadrilateral?

31. What is the shape of cycle's Wheel?

32. Can a triangle have two obtuse angles?

33. A reflex. angle > 180º and < 360º . (T/F)

34. If one of the angles in a triangle is 90^0, then the triangle is called a/an-
(A) Acute-angled triangle.   (B) Obtuse-angled triangle.
(C) Right-angled triangle.   (D) None of them.

35. In the following triangle, which of the triangles shown is an isosceles right-angled triangle?

(i) (ii)
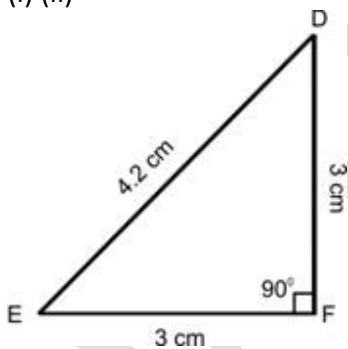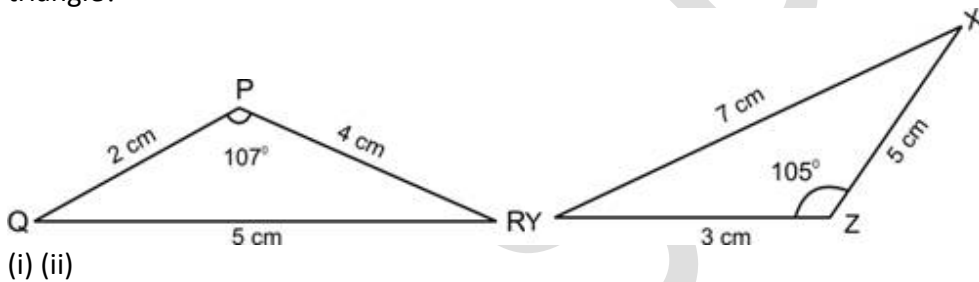
(iii)
(A) Angle ABC   (B) Angle DEF   (C) Angle PQR   (D) none of them
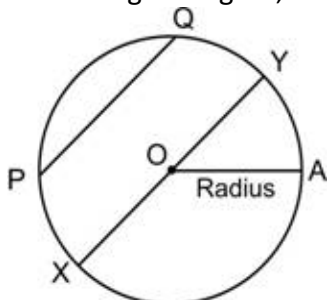
36. A coin of one rupee looks like a-
(A) Rectangle.   (B) Square.   (C) Circle.   (D) Triangle.

37. The vertices of a triangle are called
(A) Lines   (B) Points   (C) Both (1) and (2)   (D) None of them

38.In the given figure, XY is ……..

(A) Radius   (B) Smallest chord
(C) Half diameter   (D) Diameter or the greatest chord

39.Base of the cone is in the shape of a…
(A) Rectangle   (B) Triangle
(C) Circle   (D) Square

40.Instrument used to draw a circle is-
(A) Divider.   (B) Compass.   (C) Protactor.   (D) Ruler.
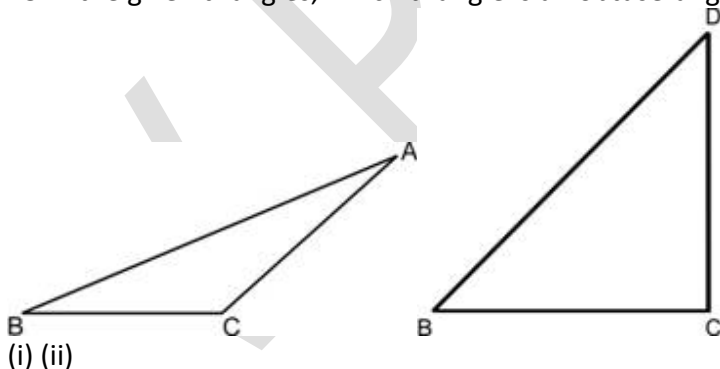
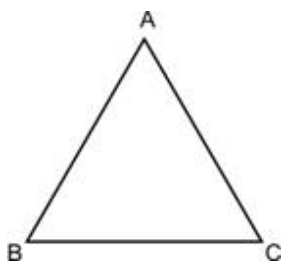41.If a triangle has two equal sides, then it is called a/an-
(A) Equilateral triangle.   (B) Isosceles triangle.
(C) Scalene triangle.   (D) Right-angled triangle.

42.Perimeter of the circle is called its-
(A) Circumference.   (B) Diameter.   (C) Segment.   (D) Radius.

43.In the given triangles, which triangle is an obtuse-angled triangle?

(i) (ii)

(iii)

(A) (i)   (B) (ii)   (C) (iii)   (D) Both (1) and (3).

44. Sum of two acute angles of a right triangle is…
(A) 100^0 (B) 90^0 (C) 110^0 (D) 80^0

45. Which of the following are matching correctly?

Column A	Column B
(i) A line segment is	(a) If they have equal length.
(ii) A line segment has	(b) At a point.
(iii) Two segments are congruent	(c) A portion of the line.
(iv) Two segments may intersect	(d) Two end-points.

(A) (i)-a, (ii)-b, (iii)-c, (iv)-d   (B) (i)-c, (ii)-d, (iii)-a, (iv)-b
(C) (i)-c, (ii)-d, (iii)-b, (iv)-a   (D) (i)-c, (ii)-b, (iii)-a, (iv)-d

46. The wheel of a bicycle makes three and a half turns. Through how many angles does it?
(A) 12 right angles   (B) 13 right angles
(C) 14 right angles   (D) 15 right angles

47. A traffic policeman is looking towards the east. In which direction will he be looking if he turns clockwise through two right angles?
(A) South.   (B) North.   (C) East.   (D) West.

48. A ray has ……..
(A) One end-point.   (B) Two end-points.   (C) No end point.   (D) None of them.

49. The standard unit for measuring an angle is……
(A) Minute.
(B) Degree.
(C) Metre
(D) None of them.

50.Is a rectangle a parallelogram?

51.In a triangle ABC, AB = 13cm , BC = 12cm, CA = 5cm and $\angle c = 90$.
Classify the triangle of the basis of sides and angle.

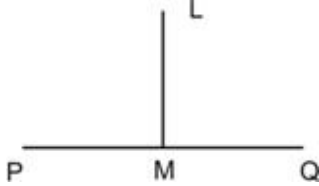52.Can a right - angled - triangle have two right angles?

53.a) What is the shape of Jokers Cap
b) What is the shape of a basket- ball?

54.a) If a clock hand starts from '12' and stops at 9. How many right angles has it moved?

b) Where will the hand of a clock stop if starts at 3 and makes $\frac{1}{4}$ of revolution clockwise.

<3M>
55.If LM is perpendicular to PQ and intersects it at point M then find $\angle LMQ$
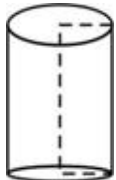

56.Write true or false. Correct the statement if false.

(a) An obtuse angle < 90º .

(b) A measure of complete angle is 360º.

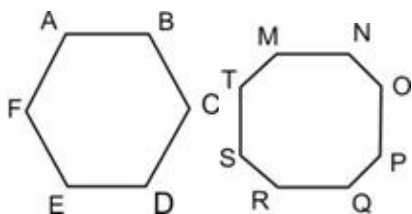(c) Straight angle is between $\frac{1}{4}$ and $\frac{1}{2}$ of a revolution.

57.
In the following figure, a can in the form of a cylinder is given. Find

(a) Bases
(b) Edges
(c) Corners

58.Count the number of sides of the following polygons and name them

<5M>

59.Define

    a) Obtuse - angled - triangle   b) Right - angled - triangle

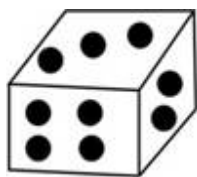   c) Acute - angled - triangle   d) Zero angle   e) Isosceles triangle

60.With the help of protractor draw angles of: (i) 105^0 (ii) 60^0
and identify the angles(whether it is obtuse or acute).

61.Fill in the blanks

a. When the sum of the measures of two angles is that of a right angle, then each one of them is _____angle.

b. When the sum of the measure of two angles is that of a straight angle, then one of them should be obtuse or _____

c. Triangle having two equal sides is called an _____ triangle.

d. We are facing North and we turn east clockwise, then theangle formed is _____

e. Line joining the opposite vertices of a polygon is called a _____
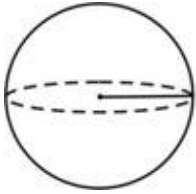
62.Match the following

   (A)

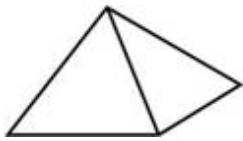   TRAPEZIUM

   (B)

                     CUBE

   (C)

(D)

PRISM

(E)

CONE

SPHERE