

**DELHI PUBLIC SCHOOL
BOKARO STEEL CITY**

ASSIGNMENT FOR THE SESSION 2013-2014

Class: VI

Subject : Mathematics

Assignment No. 3

- 1) Define the following :
i) point ii) line iii) plane iv) ray v) intersecting line
- 2) Draw any circle and mark :
a) its centre b) a diameter c) a sector d) an arc
- 3) Draw a rough sketch of a quadrilateral ABCD. State,
a) two pairs of opposite sides. b) two pairs of opposite angles.
c) two pairs of adjacent sides. d) two pairs of adjacent angles.
- 4) Construct two line segments of lengths 4.1cm and 3.3cm. Construct a segment whose length is equal to the sum of lengths of these segment.
- 5) Using a protector, construct angles of the following measures :
 50° , 95° , 100°
- 6) Define the following :
Scalene triangle, Isosceles triangle, Equilateral triangle, Acute angled triangle, Obtuse angled triangle, Right angled triangle.
- 7) Find the cost of fencing a square park of side 200 m at the rate of Rs 25 per metre.
- 8) Amrita runs around a square field of side 80 m. Babita runs around a rectangular field whose length is 90 m and breadth is 55 m. Who covers the larger distance and by how much?
- 9) Find the length of a rectangle given that its perimeter is 880m and breadth is 88m.
- 10) The perimeter of a triangle is 64 cm. Two of its sides measures 15 cm and 24 cm resp. Find the length of the third side of the triangle.
- 11) A hall is in the form of a rectangular region is 14m x 12m. How many slabs 8cmx6cm are needed to cover the floor of the hall?
- 12) A square field is of side 400m .Find its area & express it in hectares.
- 13) The area of a rectangle is 150 sq. cm. If one of its side is 10cm long, how long is its other side? Also, find the perimeter of the rectangle.
- 14) A worker is paid Rs 168 for 6 days. What wages would he get for 28 days?
- 15) Using a ruler & a compass, construct angles of the following measures :
 30° , 45° , 75° , 90° , 105° , 15°
- 16) Draw a line segment of length 7.2 cm. Bisect it & measure the length of each part.
- 17) Draw an angle of measure 147° and construct its bisector. Also, write its steps of construction.
- 18) Define the following:
Range, Frequency, Data, Pictograph
- 19) Following are the no.of members in 20 families in a village :
5,9,4,8,8,7,6,7,6,6,6,2,8,5,7,5,8,9,7,6
Prepare a frequency distribution table for the data.

- 20) In a Primary School the no. of students in different classes are as follows :

CLASS	I	200
	II	120
	III	160
	IV	140
	V	120

Represent this data by a pictograph.

- 21) The following table shows the average rainfall in the month of June to Nov. in Mumbai :

Months	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.
Rainfall (in cm)	24	30	36	28	20	4

Draw the bar-graph & answer the following questions :

- What is the highest rainfall in the season?
 - Which month has the least rainfall?
 - What is the total rainfall in the season?
- 22) Find the least number which when divided by 12, 16, 24 and 36 leaves a remainder 7 in each case.

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