



NAME OF THE STUDENT :

CLASS : 8 SEC : SUB: MATHEMATICS



TOPIC: DATA HANDLING AND INTRODUCTION TO GRAPHS

WORKSHEET NO: 04

DATE : 31. 01. 2019

S.NO	ANSWER THE FOLLOWING										
1	The coordinate of the origin is _____										
2	The point (-6 , 5) lies in _____ quadrant										
3	Distance of the point A (5,6) from Y-axis is _____ units.										
4	The range of the data set 17, 13 5,12 and 16 is _____										
5	The lower limit and upper limit of the class 35 - 45 is _____										
6	The class size (width) of 70 – 80 is _____ and its class mark is _____										
7	The abscissa (x- coordinate) of each of the following points a) (5, -3) b) (0,8) c) (-3, -4) The ordinate (y-coordinate) of each of the following points a) (3,-7) b) (-4,-5) c) (-8 ,0)										
8	Plot the points P (0, 4), Q(2 ,7) , R (5, 4) on the graph. Join the points and name the figure so obtained. Also find the area of the figure.										
9	The probability of getting a king from a well shuffled deck of 52 playing cards is _____										
10	The probability of getting a multiple of 2 when a die is rolled _____										
11	Plot the following points using the same pair of axes and the same scale for each one. A(0,9) B(2,7) C (4,7) D(6,0) E(5,-7) F (-9,-3) G(-4,7) H(-6,0) I (0,-8)										
12	Construct a grouped frequency distribution table for the ages of 35 teachers in a secondary school as recorded below. (one of the class interval be 10-15) 18 11 12 7 6 15 8 9 21 15 13 19 17 22 21 23 11 15 8 14 17 12 18 6 14 22 16 19 23 9 23 22 21 16 18										
13	<p>Draw a pie chart to represent to the data</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>Shades</th> <th>Number of people</th> </tr> </thead> <tbody> <tr> <td>Navy</td> <td>70</td> </tr> <tr> <td>Light Blue</td> <td>60</td> </tr> <tr> <td>Aquamarine</td> <td>35</td> </tr> <tr> <td>other</td> <td>35</td> </tr> </tbody> </table>	Shades	Number of people	Navy	70	Light Blue	60	Aquamarine	35	other	35
Shades	Number of people										
Navy	70										
Light Blue	60										
Aquamarine	35										
other	35										

14	The types of vehicles visiting a petrol pump during one day are:						
	Personal Car	Truck	Bus	Taxi			
	26	12	8	14			
Display the above data in a pie chart.							
15	Draw a Histogram						
	Salary (in 1000 rupees)		Number of employees				
	15-20		35				
	20-25		30				
	25-30		45				
	30-35		40				
35-40		10					
16	Draw a Histogram						
	Class - interval		Frequency				
	0-10		7				
	10-20		9				
	20-30		10				
	30-40		15				
40-50		12					
17	The distance travelled by a bicycle rider is given in the table. Draw a linear graph.						
	Time (in hours)	1	2	3	4	5	
	Distance (in km)	10	20	30	40	50	
18	Sum (P) deposited and simple interest (I) earned for a year show the following relationship.						
	Sum (P) in Rs	500	1000	1500	2000	3000	4000
	S. I. (in Rs)	45	90	135	180	270	360
	Represent the above data in the form of a graph. Using the graph answer the following questions. a) What is the simple interest on depositing Rs 3500? b) What amount should be deposited to earn Rs 225 as simple interest?						