

CLASS: IX

SUBJECT - MATH

TOPIC: STATISTICS

Dated: 11.06.2020

WORKSHEET #17

This worksheet is based on the topic																
	mentione	d above and	d A	sas a se	et of 16											
mentioned above and has a set of 16 questions which you are to solve in 60 min. after going through the worksheets on statisties.																
									Choose the correct answer from the given four options (1 to 16):							
									1 The marks obtained by 17 students in a mathematics test (out of 100) are given below: 91, 82, 100, 100, 96, 65, 82, 76, 79, 90, 46, 64, 72, 66, 68, 48, 49 The range of the data is							
	(a) 46	(b) 54	(c)	90	(d) 100											
2 T	he class mark of the	class 90-120 is (b) 105	(c)	115	(d) 120											
In a frequency distribution, the mid-value of a class is 10 and the width of the class is 6. The lower limit of the class is (a) 6 (b) 7 (c) 8 (d) 12																
The width of each of 5 continuous classes in a frequency distribution is 5 and the lower limit of the lowest class is 10. The upper limit of the highest class is (a) 15 (b) 25 (c) 35 (d) 40																
	The class marks of a frequency distribution are given as follows: 15, 20, 25,															
The class corresponding to the class mark 20 is																
	(a) $12.5 - 17.5$	(b) $17.5 - 22.5$	(c)	18.5 – 21.5	(d) $19.5 - 20$).5										

6	6 In the class intervals 10 – 20, 20 – 30, the number 20 is included in (a) 10 – 20 (b) 20 – 30							
	(c) both the interv	als		of these intervals				
7	for the following da 268, 220, 368, 2	s intervals of equal the class intervals is	tervals of equal size using class intervals is constructed 0, 319, 304, 402, 318, 406, 292,					
	354, 278, 210, 240, 330, 316, 406, 215, 258, 236. The frequency of the class 310 – 330 is							
	(a) 4	(b) 5	(a) 6	/n =				
8	The mean of $x - 1$, $x = 1$	x + 1, x + 3 and $x + 4$	(c) 6 5 is	(d) 7				
procho.	(u) $x + 1$	(b) $x + 2$	(c) $x + 3$	(d) x + 4	12.1			
9	The mean of five numbers is 30. If one number is excluded, their mean becomes 28. (a) 28 (b) 30 (c) 25							
10		(b) 30	(c) 35	(d) 38				
	If the mean of x_1 , x_2 (a) 9	(-) 0	(c) 1.5	(d) 6	e of x_3 is			
	(c) is decreased by	(b) beco	by 5, then their mean (b) becomes 5 times the original mean (d) is increased by 5					
12	The mean of 100 observations is 50. If one of the observation which was 50 is replaced by 150, the resulting mean will be							
12		(b) 51	(c) 51.5	(d) 52				
13	For drawing a frequency polygon of a continuous frequency distribution, we plot the points whose ordinates are the frequencies of the respective classes and abscissae are respectively:							
	(a) upper limits of the classes(c) class marks of the classes		(b) lower	(b) lower limits of the classes				
Nicolana			(d) upp	(d) upper limits of preceding classes				
14	Median of the numb	ers 4, 4, 5, 7, 6, 7, 7	, 3, 12 is		, clusses			
Bill Information	(a) 4	(b) 5	(c) 6	(d) 7				
15	The median of the day 78, 56, 22, 34, 45	ata 5, 54, 39, 68, 54, 84 is	ı					
POSTA	(a) 45	(b) 49·5	(c) 54	(d) 56				
16	In a data, 10 numbers are arranged in ascending order. If the 8th entry is increased by							
	(a) 0	(b) 2	(c) 3	(d) 6				
				(, 0				