<Basic Mathematics>: <22103>: <BMS>: <Statistics>: <UO5.2>: <Assessments>: <Formative> <Mrs.M.R.Abhang>

Assessment Type: Formative Assessments: Embedded questions in video

Set 1: Question No 1	Set 1: Question No 2	Set 1: Question No 3
Mean deviation about mean for raw data is?	Mean deviation about mean for ungrouped data is?	For grouped data M. D. = $\frac{\sum f_i d_i }{N}$, where $ d_i $ is
Recall/ Remembering	Understanding	Application
a) $\frac{\sum d_i }{N}$	a) $\sqrt{\frac{\sum d^2_i}{N}}$	a) $ x-x_i $
b) $\frac{\sum f_i d_i }{N}$	b) $\frac{\sum d_i }{N}$	b) x _i — x
c) $\sqrt{\frac{\sum d^2_i}{N}}$	c) $\frac{\sum f_i d_i }{N}$	c) $\left(x_i - \overline{x}\right)^2$
d) $\sqrt{\frac{\sum f_i d_i^2}{N}}$	d) $\sqrt{\frac{\sum f_i d_i^2}{N}}$	d) $\left(\overline{x} - x_i\right)^2$
Ans: <a>	Ans: <c></c>	Ans:

Set 2: Question No 1	Set 2: Question No 2	Set 2: Question No 3
Standard deviation for raw data is?	Standard deviation for ungrouped data is?	For grouped data, S.D.=
Recall/ Remembering	Understanding	Application
a) $\sqrt{\frac{\sum f_i d_i^2}{N}}$	$a)\frac{\sum f_i d_i }{N}$	a) $\sqrt{\frac{\sum f_i d_i^2}{N}}$
b) $\sqrt{\frac{\sum d^2_i}{N}}$	b) $\frac{\sum d_i }{N}$	b) $\frac{\sum d_i }{N}$
$c)\frac{\sum f_i d_i }{N}$	c) $\sqrt{\frac{\sum d^2_i}{N}}$	$c)\frac{\sum f_i d_i }{N}$
$d)\frac{\sum d_i }{N}$	d) $\sqrt{\frac{\sum f_i d_i^2}{N}}$	d) $\sqrt{\frac{\sum d^2_i}{N}}$
Ans: 	Ans: <d></d>	Ans: <a>

Assessment Type: Summative: End of CO: in LMS

Summative: Q 1	Summative: Q 2	Summative: Q 3	Summative: Q 4	Summative: Q 5
Calculate the mean deviation of the following data: 3, 6, 5, 7, 10, 12, 15, 18	Calculate the mean deviation about the mean of the following distribution:	Find M.D. for the following: Marks	Find the standard deviation of the following data:	Find S.D. for the following data: Age in No. of years voters 20-29 10 30-39 15 40-49 30 50-59 20 60-69 15 70-79 10
Recall/ Remembering	Understanding	Application	Understanding	Application
a)4.25	a)0.70	a)10	a)10.54	a)10.5
b)7	b)0.25	b)9.44	b)22	b)14.309
c)5.4	c)0.5	c)9.0	c)47.91	c)10.54
d)5.0	d)0.75	d)27	d)10.2	d)12.5
Ans	Ans: <d></d>	Ans: 	Ans: <a>	Ans:

Assessment Type: Practice Worksheets: End of CO: in LMS/ downloadable PDF

A. Find the mean deviation of the following: 17, 20, 9, 13, 22, 15, 18, 17, 13		B. Calculate M.D. about mean for:			
			Marks	No. of students	
				3	4
				4	9
				5	10
				6	8
				7	6
				8	3
				_	
A.	Answer Space		В.	Answer Space	
C.	Find mean deviation from	n mean of the following:	D.	Find the standard deviat 1, 2, 3, 4, 5, 6, 7, 8, 9	ion of the following:
	Weight in gms	No. of items		. , , , , -, , -, -, -, -	
	10-15	7			
	15-20	12			
	20-25	16			
	25-30	25			
	30-35	19			
	35-40	15			
	40-45	6			

C.	Answer Space	ce			D.	Answer Space	
E.	Find the star	ndard deviat	ion of the fo	llowing data:	F.	Calculate the standard	deviation of the following:
				-			•
		Marks	No. of			ľ	
		0.10	students			Class	Frequency
		0-10	14		-	0-20	20
		10-20 20-30	23 27			20-40 40-60	130 220
		30-40	21		-	60-80	70
		40-50	15			80-100	60
		10 30				00 100	

E.	Answer Space		F.	Answer Space	
G.	The following table show	s the chest measurement of	Н.	Calculate the standard de	eviation of the following
	100 students. Calculate the mean and standard			frequency distribution:	5
	deviation.			Weekly Expenditure	No. of students
	Chest in cm	No. Of Students		below Rs.	
	68-74	5		5	6
	75-81	31		10	16
	82-88	40		15	28
	89-95	20		20	38
	96-102	3		25	46
	103-109	1			

G. Answer Space	H. Answer Space
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