

Que	stions					JEE Main Crash Co	urse
1.	Mean deviation of 6, 8, 12, 15, 10, 9 through mean is (1) 10		mathongo /				
	(3) 25	_(4)	none of these				
2"	A data consists of <i>n</i> observations: $x_1, x_2, \ldots, x_n$ . If $\sum_{i=1}^n (x_i)^n$	mathons $(1)$	$\sum_{n=1}^{\infty} (x_n - 1)^2 =$	mathons	mathongo		
4.	A data consists of $n$ coscivations. $x_1, x_2, \dots, x_n$ . If $\sum_{i=1}^n (x_i)^{i+1} = 1$	(2)		- 111, then the varian	ce of this data is		
	(3) a finance /// mathongo /// mathongo ///	` '					
3.	A sample of 20 observations has mean of 50 and variance of combined to give complete set of 60 observations with variance of the complete set of 60 observations with variance of the complete set of 60 observations with variance of the complete set of 60 observations with variance of the complete set of 60 observations with variance of the complete set of 60 observations with variance of the complete set of 60 observations with variance of the complete set of 60 observations with variance of the complete set of 60 observations with variance of the complete set of 60 observations with variance of the complete set of 60 observations with variance of the complete set of 60 observations with variance of the complete set of 60 observations with variance of the complete set of 60 observations with variance of the complete set of 60 observations with variance of the complete set of 60 observations with variance of the complete set of 60 observations with variance of the complete set of 60 observations with variance of the complete set of 60 observations with variance of the complete set of 60 observations with variance of the complete set of 60 observations with variance of the complete set of 60 observations with variance of the complete set of 60 observations with variance of the complete set of 60 observations with variance of of 60 observat	1, while a sample of	f 40 observations				7. II
4.	The marks of some students were listed out of 75. The SD of of new marks was calculated. The new variance is,	marks was found to	be 9. Subsequer	ntly the marks were	raised to a maximu	m of 100 and variance	é n
	(1) 144 (3) 81 // mathongo // mathongo //		None of these				
5.		* 1		100 observations 15	1, 152, , 250. If	$V_A$ and $V_B$ represent the	he
	$\cdot$ C.1	mathongo ///.					
	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	(2)					
	$(3) \frac{4}{9}$	(4)	•				
6.	The median of a set of 2021 distinct observations is 20. 19. It		3	of the set is increase	d by 2. then media	n of the new set	
	(1) is increased by 2		in increased by		<i>y</i> = 7		
	(3) remains 20. 19	` /	data insufficient				
7.	The mean and variance of 20 observations are found to be 10 observation is omitted, then the correct variance is	and 4 respectively.	On rechecking, i	it was found that an	observation 8 is inc	correct. If the wrong	
	(1) 7 (3) 1400/361 // mathongo // mathongo //	mathongo (2)	100 19 1440 361				
8.	Consider three observations $a, b$ and $c$ such that $b = a + c$ . If	f the standard deviati	ion of $a+2, c+$	2  is  d, then which $d$	of the following is t	rue?	
	(1) $b^2 = 3(a^2 + c^2) + 9d^2$ mathong (3) $b^2 = 3(a^2 + c^2 + d^2)$	mathongo (2)		$3d^2$ mathongo			
9. ///	Let in a series of $2n$ observations, half of them are equal to a mean and standard deviation of new set become 5 and 20, res	_	•				ne W. n
	(1) 425 (3) 250	(2)	650 925				
10.	The assumed mean and sum of the deviations for a set of 100	) observations is giv	en as $4$ and $-11$	cm respectively. Ar	nd the sum of the so	quares of these	
	deviations is $257 \text{ cm}^2$ . Then the coefficient of variation is:	(2)	40 1907				
	(1) 41.13% /// mathongo /// mathongo ///	mathongo (2)	None of these.				