

National University



of Computer & Emerging Sciences

Probability & Statistics

Ouiz, #01

Section-BSE (A)

Question 1:

By using properties of arithmetic mean, find the missing age in the following set of four student ages.

	Student	Age	Deviation from the Mean (×, -×)
	A	19	-4 = 219-	23 = -4
	В	20	-3	-23 = -3
	C	?		
	D	29		-23 = 1
Answer: _	24	- /	198	23 = 6

Question 2:

Write the suitable answer against each statement:

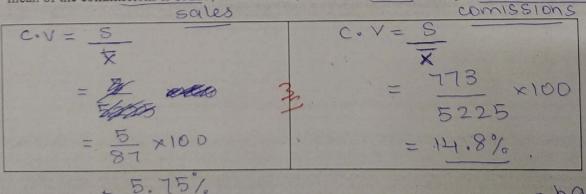
- 1. We travel 10 km at 60 km/h, than another 10 km at 20 km/h, what is our average speed? = Answer: 2.5 km/h X
- 2. What is the suitable average of the annual percentage growth rate of profits in business corporate from the year 2000 to 2005 geometric & mean

Question 3:

If a student is ranked eight out of ten in a competition, what is the student's percentile rank?

$$\frac{2}{2} \times 100 = 8$$

The mean of the number of sales of cars over a 3-month period is 87, and the standard deviation is 5. The mean of the commissions is \$5225, and the standard deviation is \$773. Compare the variations of the two.



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The commissions have higher variation than car sales, and thus less Page 1 of 1

consistency