10:20-420.79-1, Serial:10

Ans to the Que No. 15

<u>J</u>			-							· · · · · · · · · · · · · · · · · · ·
Cls Internal	fregit	ct	Mid Point, x	fx	x'.	flogx	f/n	xin	f xi-x'	f(xi-x') 2-1
4-7	11/1	-11	1 (V	1.5	1				2.25	506
2-3	3	4	2.5	7.5		1.19	1.20	1.25	3.75	4.69
3-4	8	15	3.5	28	3.75	4.39	2.29	0.25	کا	0.50
4-5	6	18	4.5	27		3.92	1.33	0.75	4.5	3.38
5-6	2 *	حَوْ	5.5	11.		1.48	0.36	1.75	3.5	6.13
Lotot	20				1	11.12	5.8	5	16	19.25
						The state of the s				

From the table;

a) Arithmetie mean =
$$\frac{75}{20}$$
 = 3.75
Exermetric mean = artifog ($\frac{5.85}{20}$) = 3.59 ×
Harmonic mean = $\frac{20}{5.85}$ = 3.419

Total,
$$n = 20$$
, $\frac{h}{2} = \frac{20}{2} = 10$

class (3-4), we get of = 12>10

This is our medial class.

Median, $me = L + \frac{h}{2} - e \times h$

= 3+ $\frac{10-4}{8} \times 1 = 3.75$

serial-10 The righest frequency 8. Hence, Mean = 3:25, 23 2 70 0/9/1/ um = from, b, mediah:= 3:25 A: - (8) 1. SK = mean - median:= 3.25 - 3.25 == (90 A 19 6 { [that is symmetrie d) mean deviation 9= 16 (86A)9 e) variance 6² = 519.75 = 6.99 standand de violien . 6 = 10.99 = 0.995 (P) cofficient of variation = 0.995 × 10000 = 26.539° (As

5.en: (al-10 have mightly fined bone 8. Hene 1) Tickets are numbered as 1 to 20 Let, A: multiple of 3 [3.6,9,12,15, 18] 40, P(A) = \frac{6}{20} = \frac{3}{10} B = multiple of 5 [5, 10, 15, 20]

(B) = 4 25:5 = doibon d 2007

(B) = 15.8 = 20 = 5000 = 42

(CIE) DIA - 1000 = 42 ANB = (15); P(ANB) = - 20 P(AUB) = P(A) 8+ & P(B) - P(ANB) = 10 + 1 = - 0120 5, 9 mpisons Jee 0 = 600 = J. M. (Ans) 10 6 Miste 700/x 300 = noitoinov 70. Maio 17709 = 26.539° (As)

o/ Isenial-10, b) B. 2 exectionic proposers and 2 2) There are 15, boys and forginly in a & 240tal /student = (10+15)=25 Class. ingin and two boys, one selected at random

The probability = 1502 × 1001 $=\frac{21}{46}=0.457$ (Ay) 3) There are 5 electronic engineery and 6 computer engineery in a mobile total engineer = (5 +6)=11 a) Let, A = all electronic Engineery. P(A) = 5c4 = 166 = 0.015

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sercial-10

b) B = 2 redectronie ongineers and 2 computer o enginéers. ens sommes (s P(B) = 502 x 602 5 20.95 to potrolos 900 3600 our pos /016(As). Rangium = Btilodona out (Eng) = 0.45 = Pussuignas. Dinoutralo a DUD Subur. Alder Dai Bragarigna sigtuanso d bus 11=(1+ 2)=-10971879 lotot a) Let, A: all electronic Engineers. 210.0 = 10 = 452 = (A)9 FLA) = 11/4