

	Date/
2>	X: 45,39,53,45,43,48,50,45
	N = 8
1	Ā⇒ Ex N
+	
1	⇒ 45+39 + 53 + 45 + 43 +48+50 + 45 8
	ã → 368
+	8
1	Z → 46
5).	
	Mean monthly salary of 10 members ⇒ Rs 1445 New member salary ⇒ Rs 1500
	New mean → 1445 × 10 + 1500
+	10 + 1
1	⇒ 15950
+	
1	New Mean ⇒ Rs 1450
t	Mean ⇒ 1450 ₹
t	
1	
+	

Saalf Highest Friequency = 20 4) height (cm) No of girls 120-130 l1 ⇒ 150 130 - 140 7 f1 ⇒ 20 140 - 150 fo = 12 150 -160 20 160 - 170 8 f2 ⇒ 8 50 i ⇒ 10 TOTAL $Mode \Rightarrow l_1 + f_1 - f_0 \times i$ 2f1-fo-f2 ⇒ 150 + 20-12 x 10 2 X20 - 12 - 8 ⇒ 150 + 8 × 10 → 150 + 8 4 × 10 . 120 ⇒ 154 Mode = 154



Date /			
Kanne			
Langest	due → 13.67		
d			
Let the	smallest value	be x	
Kange ⇒	r largest numb	ex - smallest n	umbex
17 /7			
13.67	⇒ 40.08 -	х	
α ⇒ :	10.08 - 13.67		
x = !			
	W W CONTROL OF	e e e e e e e e e e e e e e e e e e e	
Ama	ulest Value 🤏	56.41	
	1000 C.S. S.	10 10 10 10	N-100 S000 N-121
A SACRET	14		No. 1 (1) (1) (1) (1) (1) (1) (1) (1) (1) (
Arrange	the numbers	in ascending o	uden the get.
Arvange 11.4, 12	the numbers 25, 128, 163,	in ascending to 14.8, 19.2	uden we get.
			uden we get.
Numbe	er of observation	ens n ⇒ 6	
Numbe	er of observation	ens n ⇒ 6	
Numbe	er of observation	ens n ⇒ 6	uden twe get. 192 → 90 → 15
Numbe Mean ⇒	r of Abservati 11.4 + 12.5 + 12.	ent n ⇒ 6 8 + 16-3 + 17-8 6	
Numbe Mean ⇒ Xi	er of Observation 11.4 + 12.5 + 12. di ⇒ x1 - x	906. $n \Rightarrow 6$ 8 + 16.3 + 17.8 . 6 d_i^2	
Numbe Mean ⇒	r of Abservati 11.4 + 12.5 + 12.	ent n ⇒ 6 8 + 16-3 + 17-8 6	
Numbe Mean ⇒. Xi 31.4	er of observations 11.4 + 12.5 + 12. di ⇒ 21 - 2 - 3.6	ens. n ⇒ 6 8 + 16-3 + 17-8 6 di ² 12-96	
Numbe Mean ⇒. X: 11.4 12.5 12.8	nt of Observation 11.4 + 12.5 + 12. di ⇒ 21 - 2 - 3.6 - 2.5	90¢ n ⇒ 6 8 + 16-3 + 17-8 6 di ² 12-96 6-25	
Numbe Mean ⇒. 11.4 12.5	di = x1 - x - 3.6 - 2.2	906 $n \Rightarrow 6$ 8 + 16-3 + 17.8 6 d_1^2 12.96 6.25 4.84	
Numbe Mean ⇒ 11.4 12.5 12.8 16.3	nt of Observation 11.4 + 12.5 + 12. di = 21 - 2 - 2.5 - 2.2 1.3	906 n ⇒ 6 8 + 16.3 + 17.8 6 di ² 12.96 6.25 4.84 1.63 7.84	
Numbe Mean ⇒. 11.4 12.5 12.8 16.3 17.8	n of abservation 41.4 + 12.5 + 12. di ⇒ x1 - x - 3.6 - 2.5 - 2.2 4.3 8.8	904 $n \Rightarrow 6$ 8 + 16.3 + 17.8 . 6 d_1^2 12.96 6.25 4.84 1.63 7.84	

Standard Seviation
$$\Rightarrow$$
 \Rightarrow $| zd^2 |$

$$\Rightarrow | 51.22 \Rightarrow \sqrt{8.53}$$
Hence, $\sigma \approx 2.9$

Wound Distribution $Z = 500 - 527 = -0.24107$

$$112$$

$$\mu = 527$$

$$\sigma = 112$$

$$Bx \{x > 500\} = Px \{z > -0.24\} \Rightarrow 1 - 0.4052 \Rightarrow 0.5948$$

$$0.4052 \Rightarrow 1 - 0.4052 \Rightarrow 0.5948$$

$$0.4052 \Rightarrow 1 - 0.4052 \Rightarrow 0.5948$$

2/2 Normal Distribution

Z = 240 -266 =-1.625

16

Z = 270 - 266 = 0,25

16 11 = 266

o = 16

0.5987

P(240 < X < 270) = P(-1.63 < Z < 0.25)

P(-1.63 < Z < 0.25) = P(Z < 0.25) - P(Z < -1.63)

P(-1.63 < Z < 0.95) => 0.5987 - 0.0516

→ 0.5471

0.0516 240 266 270 -1.63

0.25

	Date Caathi,
9)	Formula:
	Five number summary includes five values.
	Minimum value.
	First quartile Q1
	Median Q2
4.	Third quartile Q3
.5.	Mazimum Value.
	Five number summary:
	10,50, 30, 20, 10, 20, 70,30
Step 1:	Arwange the numbers in ascending ordex:
	10, 10, 20, 20, 30, 30, 50, 70
Step2:	Find the minimum value
	Minimum → 10 [& mattest value]
Step 3:	Find the maximum value
	Maximum => 70 [largest value]
Step 4:	Find the median
	The median is the middle number in a sorted data
	set and N is the total number of elements.
	If N is odd then the median is a single middle
	number, and if N is even then the median
	If N is odd then the median is a single middle number, and if N is even then the median is the average of the two middle numbers
	10, 10, 20, 20, 30, 30, 50, 70
	Fagar No.

	Date_/
	N ≥ 8 is even, so median is the average of the two middle number at faution 4 and 5
	the have. 20 + 30. 19 25
	: Median > 25
åtep5	Place parenthese around the numbers above and below the median. { 10, 10, 20, 20 }, { 30, 30, 50, 70 }
Step6:	Find Q1 by finding the median for lower half of data (left of the median)
	10, 10, 20, 20
	$N \Rightarrow 4$ is even, so median is the average of the two middle numbers at position 2 and 3
	the have 10+20 ⇒ 15 2
	∴ Q1 ⇒ 15
	Plage No.

Caathy Step 7: Find Q5 by finding the median for upper half of the median 30, 30,50,70 $N \Rightarrow 4$ is even, so median is the average of the two middle numbers at position 2 and 3 the have $30 + 50 \Rightarrow 40$ i. Q3 ⇒ 40 Steps: Summary found in the above steps: Minimum → 10 91 + 15 Median ⇒ 25 Q3 => 40 Maximum → 70



P (AUB) > P(A) + P(B) - P (A AB) = 0.6 = 0.4 + p - P(A ∩B) → P(ANB) -> 0.4 + p - 0.6 -> p-0.2 Lince, A and B are independent events : P(AAB) ⇒ P(A) x P(B) > p-0.2 > 0.4 x p => p-0.4p => 0.2 ⇒ 0.6p → 0.2 p ⇒ 0.2 → 1 0.6 → 3 ⇒ p ⇒ 1/2 144 According to the que. The probability of susan paising her both sets tests. The probability of passing 1st test, is 0.8

	Date / (
	Now,
	The probability of passing here and test will be
1007	P (2nd test / 1st test) ⇒ 0.6 0.8
	⇒ 0.75
10}	Let A ⇒ first die is 5
	Let B ⇒ total of two dice is greater than 9
	$\mathcal{P}(A) \Rightarrow 1$
	Possible outcomes for A and B: {(5,5), (5,6)}
	$P(A \text{ and } B) \Rightarrow 2 = 4$ $36 18$
	36 18
	P (BIA) -> P (AAB)
-	P(A)
	⇒ 1 × 6 18
	46
	⇒ 1

13 No. of outcomes per bin ≠ 10 Since et is a 3-digit no P => 10 x 10 x 10 P => 1000