Name: 5. G. D. R. Weera singha Index No: 4103

(1) Calculate population mean time for the Sample of N=52

= 55 + 42 + 45 + 37+60+53+45+65+45+61+46+55+50 + +2 +30+37+50+51+55+32+52+70+30+46++6

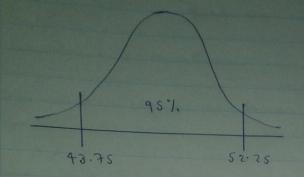
1200

= 48 hours

Calculate Standard deviation for the Sample 4=25

-				
	alnours	ル,-元	(n,-k)2	3 2 7 7 7
	55	7	49	
	4-2	-6	36	
	45	-3	9	A STATE OF THE STA
	37	-11	121	
	60	12	144	
	53	5	25	
	45	-3	9	-
	65	17	589	
	45	-3	9	
	61	13	1269	A
	46	-2	4	
	55	7	49	100
	50	2	4	
		-6	36	
	42	-18	324	
	30	-11	121	1
	37			

			1					
	50	2	4					
	51	3	9					
	55	7	49					
	32	-16	256					
	52	4	16					
	70	5.5	484					
	30	-18	324					
	46	-2	4					
	46	-2	1 4 1					
			2548					
	7 = 48 hours							
	Sample Standard deviation							
	1	2						
	5 = 2	(n; -n)						
	1=1,2,0	., 25						
\$ = \[\frac{2548}{24} \]								
	3 = 10). 3 (
			9. 4.	95).				
	Calcula							
	+ - SC0	x 6	24					
		1-20		1				
	9. 4 . = .	24						
		0.52						
	t = 2	064						



$$\bar{n} = 48$$
 hours
 $t = 2.064$
 $s = 10.30$
 $n = 25$

$$\frac{1}{\sqrt{5}} = \frac{2.064 \times 10.30}{\sqrt{25}}$$

$$n_{u} = 48 + 4.25$$

$$= 52 \cdot 25$$