

$R = 50 - 15 = 35$
 $K = 1 + 3.322 \log 40 = 6.322043$ or 6
 $C = 35/6 = 5.83333$ or 6
The Lower limit is 15
Construct the FDT

Class interval	Frequency	Class mark	Class boundary	Relative Frequency (%)	<CF	>CF
15 - 20	5	17.5	14.5 - 20.5	12.5	5	40
21 - 26	9	23.5	20.5 - 26.5	22.5	14	35
27 - 32	4	29.5	26.5 - 32.5	10	18	26
33 - 38	10	35.5	32.5 - 38.5	25	28	22
39 - 44	4	41.5	38.5 - 44.5	10	32	12
45 - 50	8	47.5	44.5 - 50	20	40	8
	40			100		

FDT of 40 students scores in a 50 - item exam