Class Boundaries	Class mark (x)	f_A	f_B	$f_A x$	$f_B x$	$x - \bar{x}_A$	$x - \bar{x}_B$	$(x-\bar{x}_A)^2$	$(x-\bar{x}_B)^2$
1 - 5	3	0	2	0	6				
6 - 10	8	7	4	56	32				
11 - 15	13	10	7	130	91				
16 - 20	18	2	20	36	360				
21 - 25	23	1	16	23	368				
26 - 30	28	5	10	140	280				
31 - 35	33	4	4	132	132				
		29	63	517	1,269				

Mean = $\frac{\sum f_A x}{\sum f_A}$

Mean of Group A

$\bar{x}_A = \frac{\sum f_A x}{\sum f_A}$

$= \frac{517}{29}$

$= 17.83$

Mean of Group B

$\bar{x}_B = \frac{\sum f_B x}{\sum f_B}$

$\bar{x} = \frac{1,269}{63}$

$\bar{x} = 20.14$

Variance of Group A

Variance = $\frac{\sum f_A |x - \bar{x}_A|^2}{\sum f_A}$

$= \frac{2,374.17}{29}$

$= 81.868$

$f_A\lvert x-\bar{x}_A\rvert^2$	$f_B\lvert x-\bar{x}_B\rvert^2$
0	587.36
676.41	589.52
238.3	356.86
0.06	91.6
26.73	150.88
517.15	617.8
920.52	661.92
$\sum f_A\lvert x-\bar{x}_A\rvert^2$	$\sum f_B\lvert x-\bar{x}_B\rvert^2$
$= 2,374.17$	$= 3035.74$

Variance of Group B

Variance = $\frac{\sum f_B |x - \bar{x}_B|^2}{\sum f_B}$

$= \frac{3035.74}{63}$

$= 48.186$

Standard deviation of group A

$= \sqrt{V}$

$\sqrt{81.868} = 9.05$

Standard deviation of group B

$\sqrt{V}$

$\sqrt{48.186}$

$= 6.94$

(iii) Group B has the least standard distribution.