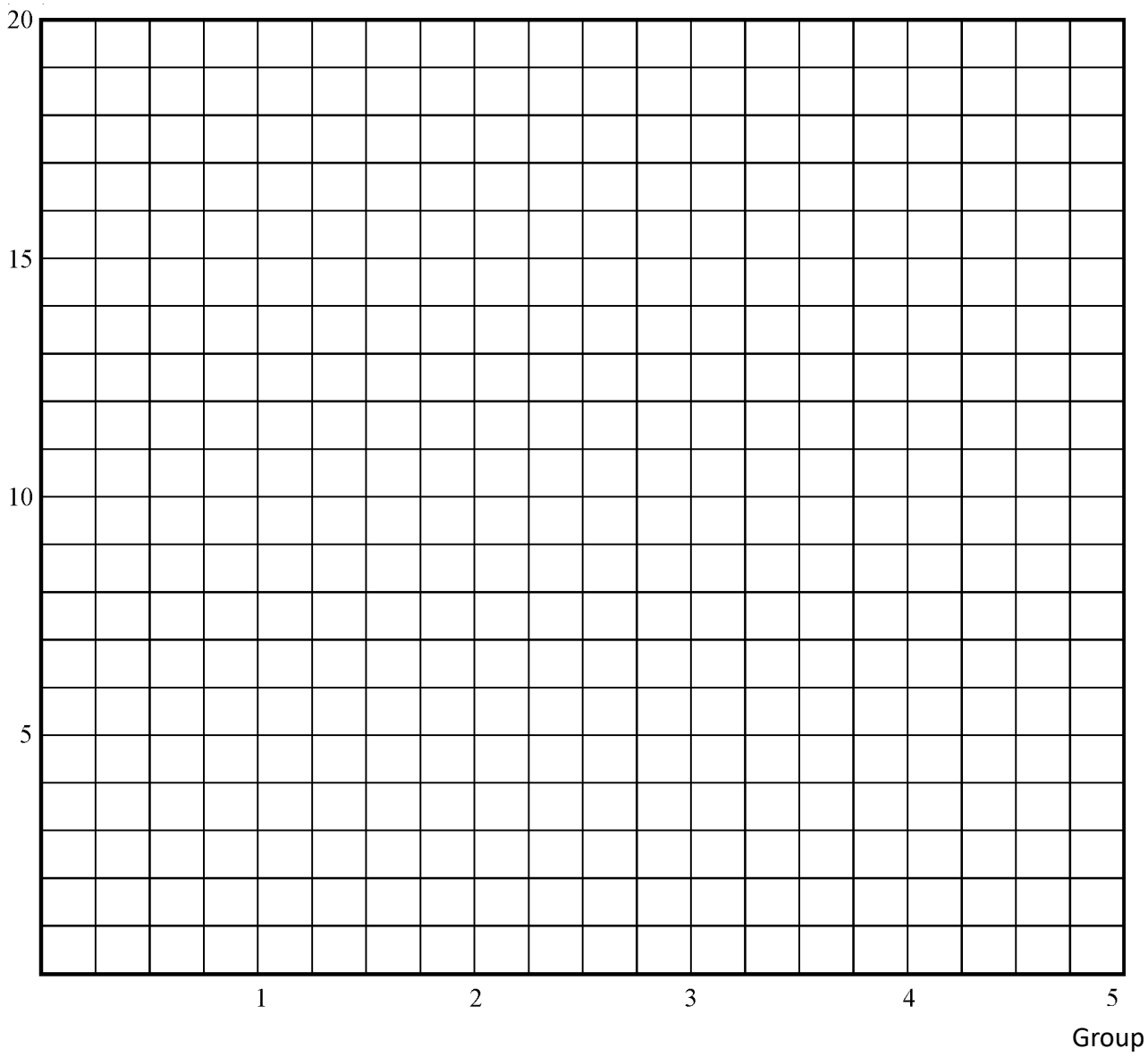
Lab 04 Micrometer Caliper

coins	No	Zero $\pm c$	main ruler a mm	round ruler b	v= U(c-b)	$x_i = a + \frac{b}{100} - \frac{c}{100}$	a.m. t_i = Σx_i /3	a.m. Σt_i /9	d_i mm	$s = \sqrt{\sum_{i=1}^{n} d_i^2 / (N-1)}$	error $= \frac{s}{\sqrt{N}}$ mm
1	1	5.0	7	37.4		$7 + \frac{37.4}{100} - \frac{5.0}{100}$					
	2										
	3										
2	1										
	2										
	3										
3	1										
	2										
	3										
4	1										
	2										
	3										
5	1										
	2										
	3									observation a.m.±error(mm)	
6	1										
	2										
	3										
7	1										
	2										
	3										
8	1										
	2										
	3										
9	1										
	2										
	3										

χ_{max} = _____mm， χ_{min} = _____mm

$S = \chi_{max} - \chi_{min}$ = _____mm， $\frac{S}{5}$ = _____mm

No	group			count(正)	count
1	$\chi_{min} + 0.0S \sim \chi_{min} + 0.2S$：	mm～	mm		
2	$\chi_{min} + 0.2S \sim \chi_{min} + 0.4S$：	mm～	mm		
3	$\chi_{min} + 0.4S \sim \chi_{min} + 0.6S$	mm～	mm		
4	$\chi_{min} + 0.6S \sim \chi_{min} + 0.8S$：	mm～	mm		
5	$\chi_{min} + 0.8S \sim \chi_{min} + 1.0S$：	mm～	mm