

The back-to-back stem-and-leaf diagram shows the diameters, in cm, of 19 cylindrical pipes produced by each of two companies, *A* and *B*.

Company <i>A</i>							Company <i>B</i>					
					4	33	1	2	8			
9	8	3	2	0		34	1	6	8	9	9	
8	7	5	4	1	1	35	1	2	2	3		
		9	6	5	2	36	5	6				
			4	3	1	37	0	3	4			
						38	2	8				

Key: 1 | 35 | 3 means the pipe diameter from company *A* is 0.351 cm and from company *B* is 0.353 cm.

(a) Find the median and interquartile range of the pipes produced by company *A*. [3]

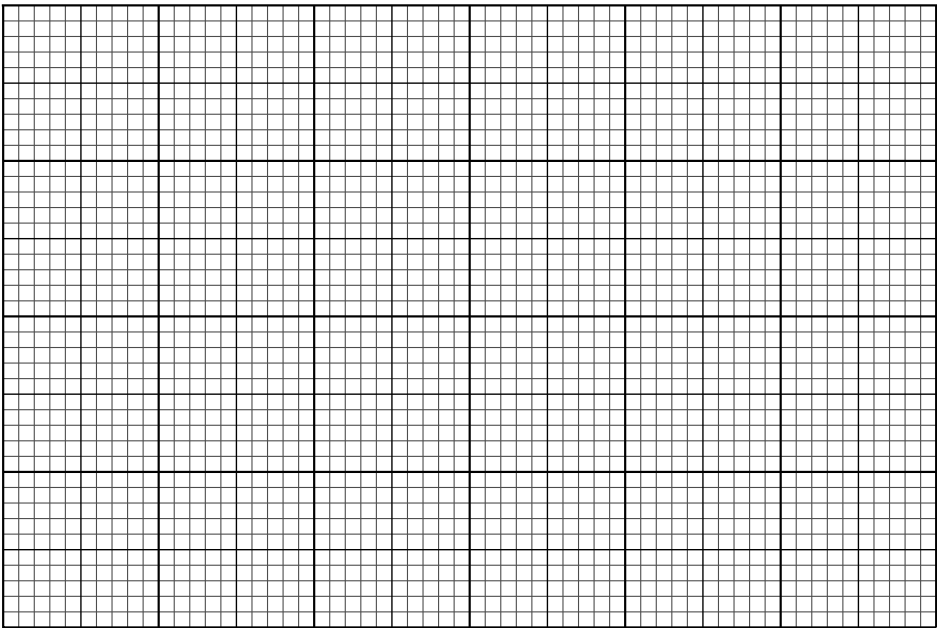
.....

.....

.....

It is given that for the pipes produced by company *B* the lower quartile, median and upper quartile are 0.346 cm, 0.352 cm and 0.370 cm respectively.

(b) Draw box-and-whisker plots for companies *A* and *B* on the grid below. [3]



(c) Make one comparison between the diameters of the pipes produced by companies *A* and *B*. [1]

.....

.....