

- 3 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	35	1	2	2	3	
		9	6	5	36	5	6			
			4	3	37	0	3	4		
				1	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]

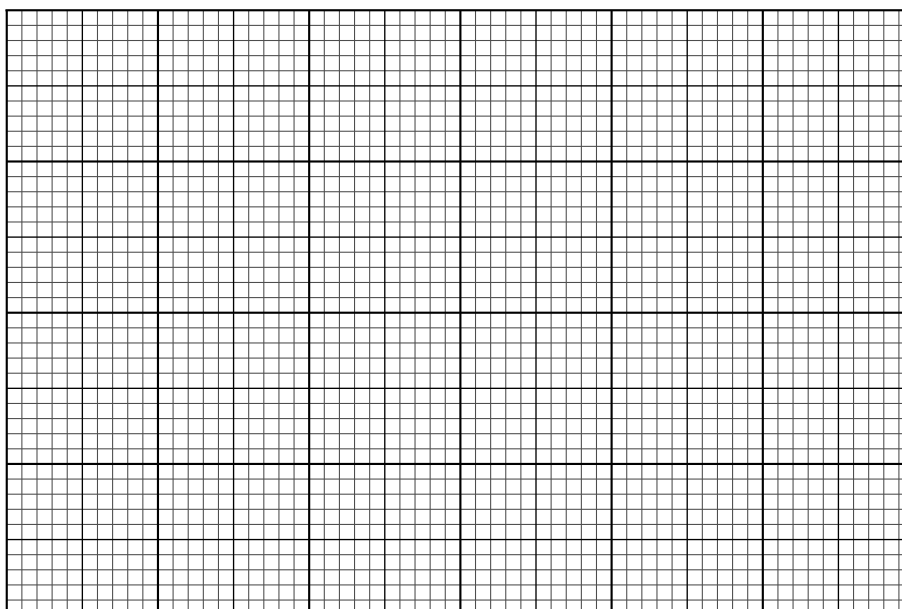
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It is given that for the pipes produced by company *B* the lower quartile, median and upper quartile are 0.346 cm, 0.352 cm and 0.370 cm respectively.

- (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]

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