

- stem-and-leaf diagram.

A						B				
					21	1	2	4		
7 6 3 0					22	2	4	5	5	6
8	7	4	3	1 1	23	0	2	6	8	9 9
5 5 5 3 2					24	3	3	4	6	
4 3 1 0					25	6				

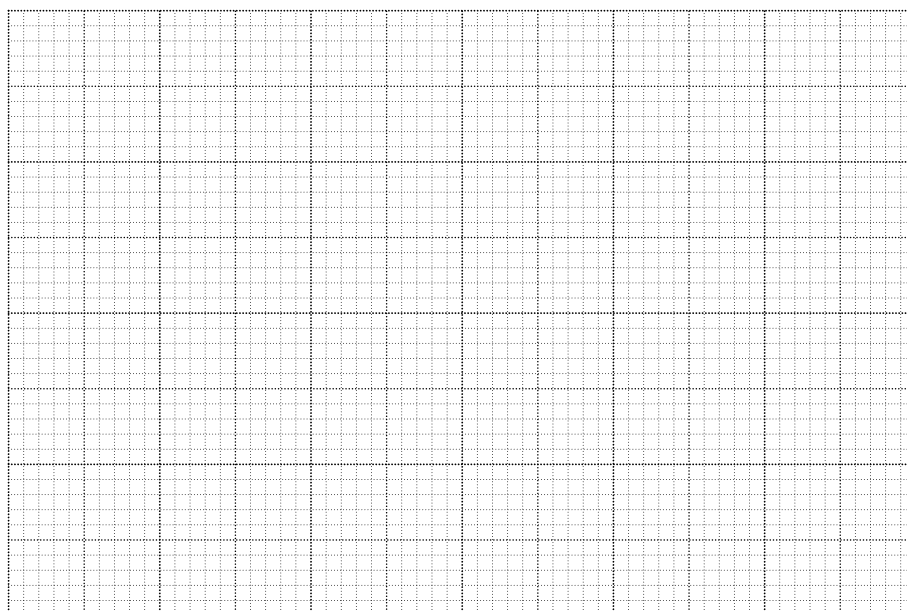
Key: 7 | 22 | 4 means 0.227 m for machine A and 0.224 m for machine B.

- (a) Find the median and the interquartile range for machine A. [3]

[illegible]

It is given that for machine B the median is 0.232 m, the lower quartile is 0.224 m and the upper quartile is 0.243 m.

- (b) Draw box-and-whisker plots for A and B . [3]



- (c) Hence make two comparisons between the lengths of the rods produced by machine *A* and those produced by machine *B*. [2]

This image shows a single sheet of white paper with ten evenly spaced horizontal dotted lines, typical of primary-ruled notebook paper. The lines are black and extend across the full width of the page. There are no margins, text, or other markings on the paper.