Name:

A teacher records the number of students absent each day over 2 weeks from her class. The results are shown below.

2 3 1 1 4 2 0 2 1 5

Display the results on a dot plot.

The time taken (in seconds) by the 8 runners in the Olympic 100 metres final is shown below.

9.8 9.9 10.2 10.1 10.0 10.5 9.7 10.0

- (a) Display the results on a dot plot.
- (b) Comment on the distribution.

3 The marks on a mathematics test for a class are shown below.

19 20 18 16 17 14 19 16

9 16 17 18 14 15 20 18

18 19 14 18 17 15 16 19

- (a) Display the data in a dot plot.
- (a) Comment on the range clustering and any extreme values.

										2
4	The data below show the scores obtained by 25									
-	students on an exam out of 50.									
	45	39	32	38	22					
	44	39	38	17	28					
	41	50	47	34	39					
	32	36	24	16	20					
	30	32	33	45	29					
	Display the data on a stem-and-leaf plot.									
5	The data below show the heights in metres of									
	20 tomato plants.									
	1.5		1.4	1.9	0.8					
	1.4	2.0	1.1	1.6	1.8					
	1.2	2.5	2.4	0.6	1.7					
	1.8	1.6	2.2	1.7	1.8					
	Display the results on a stem-and-leaf plot.									
6	Redrav using				of plot from quest	ion 4				
7					nd-leaf plot from class size of 0.5.					

Use this stem-and-leaf plot to comment on the distribution.

(b)

8 The following data represent the scores on a Maths test for 30 students. Construct a stem-and-leaf plot.

78, 91, 45, 81, 67, 54, 59, 44, 31, 19, 22, 98, 70, 60, 66, 49, 57, 82, 74, 66, 69, 72, 81, 47, 50, 62, 83, 84, 46, 12

9 The heights in centimetres of a group of 15-year-old boys and girls are displayed below.

Boys:154 163 158 166 170 159 164 164 167 161

Girls:149 158 154 160 162 158 159 154 164 158

Display the results on a back-to-back stem-and-leaf plot.

10 At Sir Winston Churchill High School there are two Year 9 Mathematics classes each of 22 students. The following were the averages for each class.

Class 1: 34, 47, 54, 59, 60, 63, 66, 69, 73, 77, 78, 78, 79, 80, 82, 83, 85, 86, 88, 89, 90, 91

Class 2: 23, 31, 37, 41, 47, 52, 54, 56, 60, 62, 62, 63, 66, 68, 70, 72, 72, 75, 77, 79, 81, 88

Produce a back-to-back stem-and-leaf plot.