

- 1 Jake and Sarah each played a computer game six times.

Their scores for each game are shown below.

Jake	10	9	8	11	12	8
Sarah	2	10	7	14	4	10

- (a) Who had the most consistent scores, Jake or Sarah?
You must give a reason for your answer.

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(1)

Jake played a different game 20 times.

The stem and leaf diagram shows information about his scores.

0	9
1	2 3 3 4 5
2	5 6 6 6 6 7
3	1 3 4 6 8
4	0 2 9

<p>Key 1 2 represents 12 points</p>
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Jake said his modal score was 6 points because 6 occurs most often in the diagram.

- (b) Is Jake correct?
You must explain your answer.

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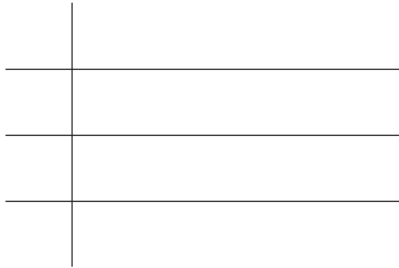
(1)

(Total for Question is 2 marks)

2 Here are the marks 20 students got in a French test.

76	82	84	69	80	64	70	81	75	91
87	67	80	70	94	76	81	69	71	77

(a) Show this information in a stem and leaf diagram.



(3)

One of these students is going to be chosen at random.

The pass mark in the French test is 71

Omar writes,

The probability that this student failed the French test is $\frac{1}{4}$

Omar is wrong.

(b) Explain why.

(2)

(Total for Question is 5 marks)

- 3 The stem and leaf diagram below gives information about the ages of people in a social club.

3		1	4	5			
4		0	2	2	5	6	
5		0	1	7	7	8	9
6		3	4	5	9		
7		0	4				

Key: 4|2 represents 42 years

Find the range of these ages.

..... years

(Total for Question is 2 marks)

- 4 The table shows information about the heights, in cm, of a group of Year 9 girls.

least height	150 cm
median	165 cm
greatest height	170 cm

This stem and leaf diagram shows information about the heights, in cm, of a group of 15 Year 9 boys.

15		8 9 9
16		4 5 7 7 8
17		0 3 4 4 7
18		0 2

Key: 15 8 represents 158 cm

Compare the distribution of the heights of the girls with the distribution of the heights of the boys.

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(Total for Question is 3 marks)