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## FULL MODEL ANSWERS

range = biggest-smallest

Jake and Sarah each played a computer game six times.

Their scores for each game are shown below.

**Q1. NON-CALCULATOR** 

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.

Jake's range: 12-8=4 Sarah's range: 14-2=12

Jake had the more consistent scores, since his range was lower than Sarah's.

Jake played a different game 20 times.

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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	Key 1   2 represents 12 points
3	1 3 4 6 8	
4	0 2 9	

## most common

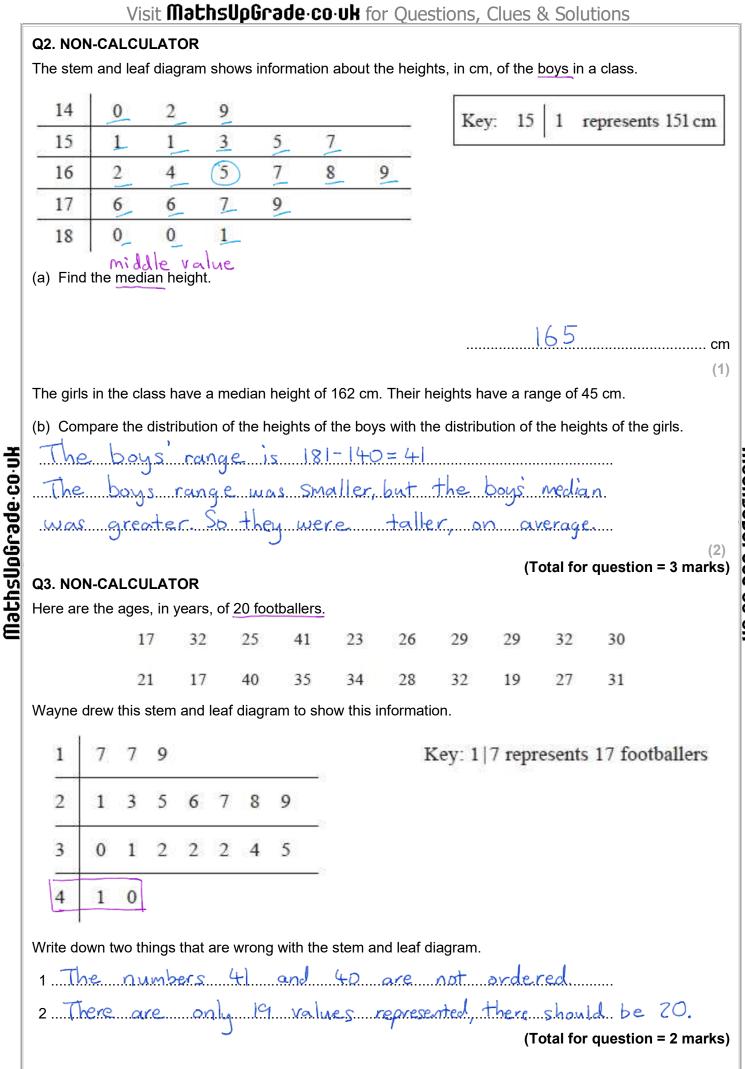
Jake said his modal score was 6 points because 6 occurs most often in the diagram.

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

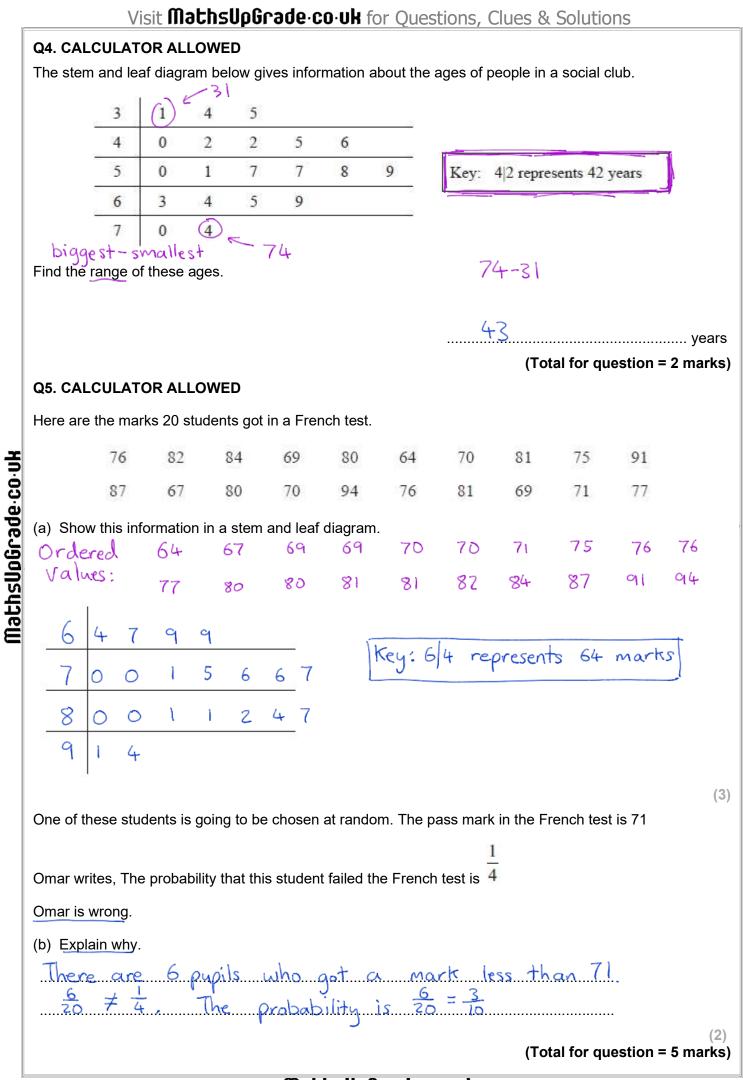
6 is the 'leaf' and according to the key is the Ones column. The actual modal score is 26 = 26

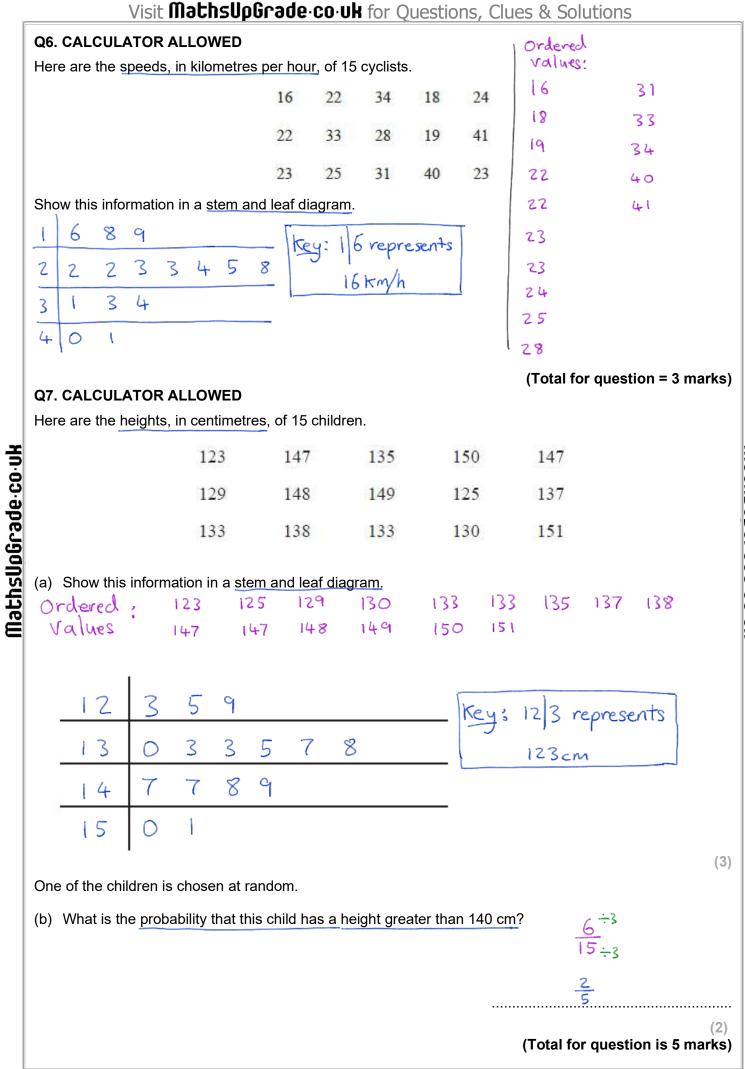
(1) (Total for question = 2 marks)

(1)



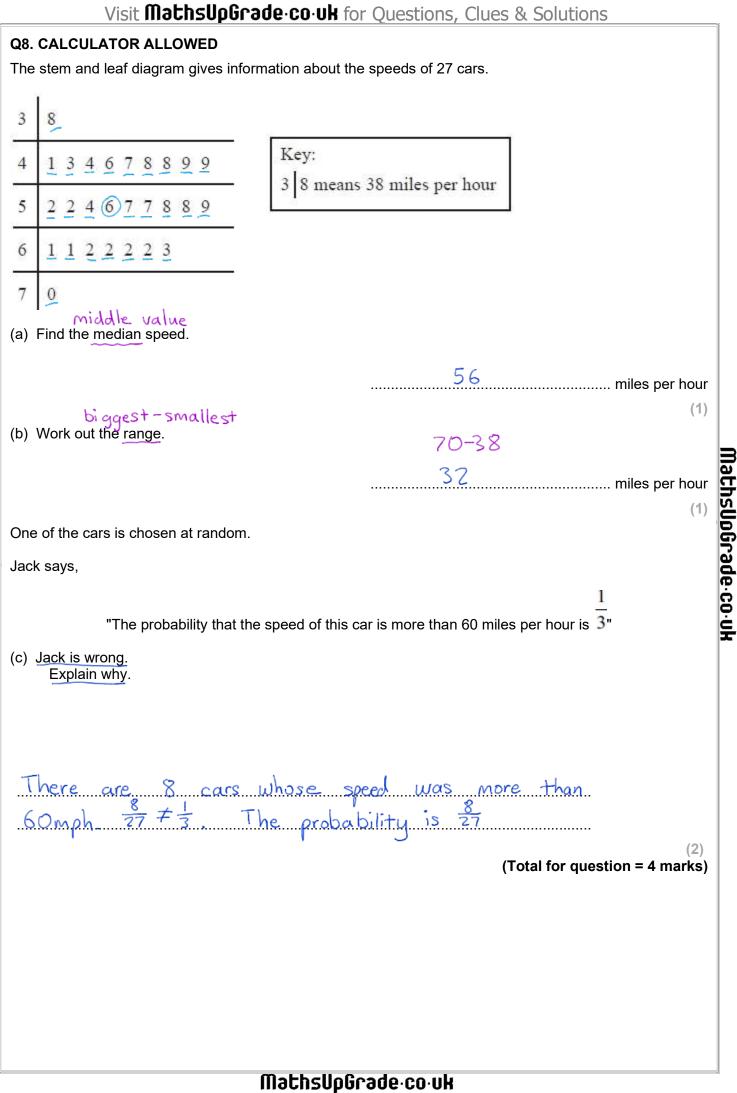
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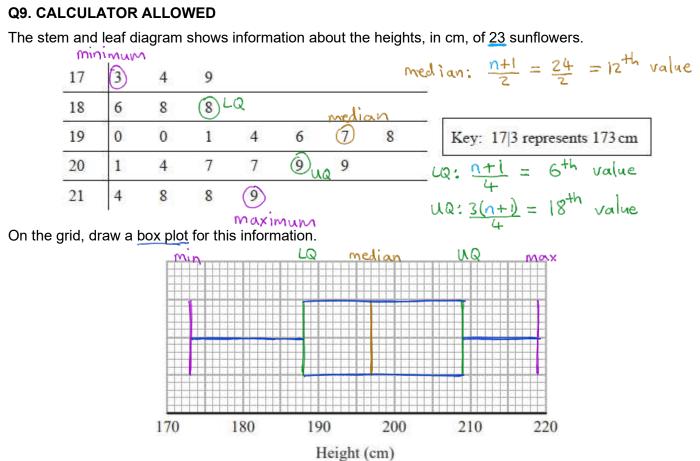
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(Total for question = 3 marks)

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