

- 4 The times taken, in minutes, to complete a cycle race by 19 cyclists from each of two clubs, the Cheetahs and the Panthers, are represented in the following back-to-back stem-and-leaf diagram.

Cheetahs						Panthers				
9 8					7	4				
8	7	3	2	0	8	6 8				
9 8 7					9	1 7 8 9 9				
6	5	3	3	1	10	2 3 4 4 5 6				
9 8 2					11	1 2 8				
4					12	0 6				

Key: 7 | 9 | 1 means 97 minutes for Cheetahs and 91 minutes for Panthers

- (a) Find the median and the interquartile range of the times of the Cheetahs. [3]

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The median and interquartile range for the Panthers are 103 minutes and 14 minutes respectively.

- (b) Make two comparisons between the times taken by the Cheetahs and the times taken by the Panthers. [2]

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Another cyclist, Kenny, from the Cheetahs also took part in the race. The mean time taken by the 20 cyclists from the Cheetahs was 99 minutes.

- (c) Find the time taken by Kenny to complete the race. [3]

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