

14. Alan and Clive each take part in 10 sports quiz competitions. The actual results have been lost but their mean score and standard deviations are given in the table below.

| Player | Mean score | Standard deviation |
|--------|------------|--------------------|
| Alan | 55.9 | 2.6 |
| Clive | 79.4 | 5.3 |

- (a) Which one of the two players is more consistent in the competitions?
You must state a reason for your choice.

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[1]

- (b) Which one of the two players would you say is better at the competitions?
You must state a reason for your choice.

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[1]

- (c) Some of the sports quiz questions refer to the 1980s. Alan is much younger than the other competitors and it was decided that 3 points should be added to his score in each of the 10 competitions. Complete the table to show Alan's data following this adjustment.

| Player | Mean score | Standard deviation |
|--------|------------|--------------------|
| Alan | | |
| Clive | 79.4 | 5.3 |

[1]