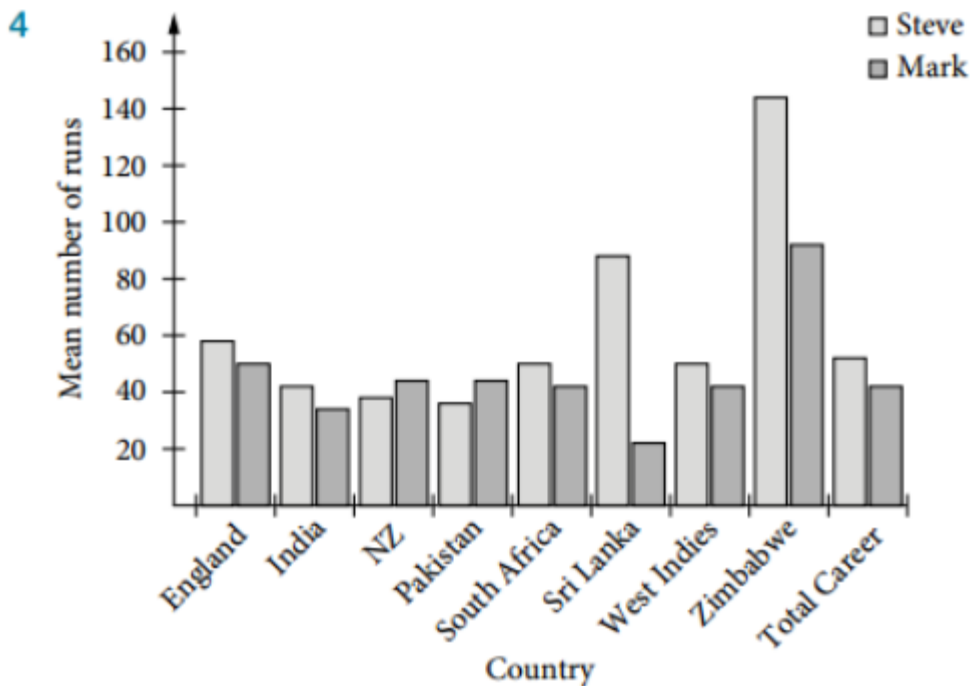1 (a) It is reasonable to assume the data set represents a
       population.
   (b) Mean: 43.2, Standard deviation: 10.4, Minimum: 19
       Q_1: 35, Median: 42, Q_3: 50.5, Maximum: 63
   (c) The data set does not contain outliers and is symmetrical.
       50% of the data set was above 42 and no more than 25% was
       below 35. The highest student scored a mark of 63 out of 66.

2 C

4

Sample answer: From the graph it can be seen that the batting
averages for the brothers was similar for several countries.
However, Steve had much better averages against Sri Lanka and
Zimbabwe (87.63 and 145 respectively) compared with Mark's
(24.64 and 90). This helped Steve maintain a higher overall
career average.

5 Sample answer: From the graph we can see that road fatalities
   were higher in 6 out of 8 states and territories. The states with
   larger populations have a higher percentage of fatalities, but
   increases appear to be the same, which could possibly be due to
   an increase in population.