

7. Calculate the variance and the standard deviation for each set of data.
- a) the age of members of a book club:
24, 35, 45, 41, 22, 51, 46, 40
 - b) the number of double-faults per game for a tennis player:
5, 4, 7, 11, 1, 6, 6, 7, 7
 - c) the points scored at home games by the varsity boys' basketball team:
100, 105, 101, 103, 100, 99, 102, 98
 - d) the number of pizzas made per day at a pizzeria:
56, 57, 54, 51, 58, 59, 51, 50, 53, 51
8. The players on two basketball teams have the same mean height of 200 cm. The standard deviation of the heights of the players on Team One is 15 cm and on Team Two is 20 cm. What can be said about the players on each team, given the difference in the standard deviation of their heights? Explain.
10. A bowling team needs one more person. Eileen and Ingrid are being considered for the spot. They both have the same mean score, but Ingrid's scores have a lower standard deviation than Eileen's scores. Which person should be chosen? Explain your answer.