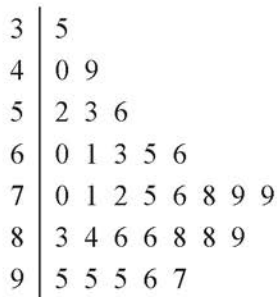


- 9 At the end of each school term at North End College all the science classes in year 10 are given a test. The marks out of 100 achieved by members of set 1 are shown in Fig. 9.



Key 5 | 2 represents a mark of 52

Fig. 9

- (i) Describe the shape of the distribution. [1]
- (ii) The teacher for set 1 claimed that a typical student in his class achieved a mark of 95. How did he justify this statement? [1]
- (iii) Another teacher said that the average mark in set 1 is 76. How did she justify this statement? [1]
- Benson's mark in the test is 35. If the mark achieved by any student is an outlier in the lower tail of the distribution, the student is moved down to set 2.
- (iv) Determine whether Benson is moved down to set 2. [2]