



7. The scores in an English test of two groups of students are presented in the following stem-and-leaf diagram.

Stem-and-leaf diagram for the scores in an English test of two groups of students

Leaves for Group A	Stem	Leaves for Group B
9 7 4	3	
4 3 1 1 0	4	9
9 8 3 2 1 1	5	1 4 6 8
7 5 3 2	6	0 0 1 2 3 3 6
5 1	7	4 4 5 6 7
	8	0 2 3

Key: 4 | 9 means 49 marks.

- (a) State the type of this stem-and-leaf diagram.  
 (b) Find the ratio of the number of students who scored above 50 but less than 60 in Group A to those of Group B.  
 (c) Compare the performance of the two groups.

### Brainworks

8. Discuss the occasions that are appropriate to draw a stem-and-leaf diagram to represent data.
9. The masses (in grams) of 18 mobile phones are as follows:

96	112	83	105	101	93	116	92	105
100	99	102	128	97	80	109	85	114

Which representation would you use to present the data, a dot diagram or a stem-and-leaf diagram? Why?