Stemplot questions

1 a Draw a stem and leaf plot, using the stems 3, 4, 5 and 6, for the scores
32, 45, 37, 65, 48, 57, 33, 42, 59, 62, 47, 51, 50, 47, 36, 68, 60, 50, 63, 47
b What are the lowest and highest scores?
c How many times does the score i. 50 ii. 40 occur?
d Which scores occurs the most often?
e How many scores are in the sixties?
f How many scores are less than 50?

2 a Draw a stern and leaf plot, using the stems 12, 13, 14 and 15, for the scores
132, 154, 124, 156, 125, 145, 130, 141, 126, 151, 140, 139, 128, 145, 126,
146, 128, 130, 140, 158, 154, 142, 149, 145, 150, 126, 130, 148, 158, 145
b What are the lowest and highest scores?
c How many times does the score i. 150 ii. 158 iii. 120 occur?
d Which score occurs the most often?
e How many scores are i less than 130 ii 150 or more?

3. Draw stem and leaf plots for the scores
16, 24, 13, 8, 22, 4, 5, 26, 14, 10, 2, 20, 11, 23, 8, 7, 24, 8, 12, 9

4 The following stem and leaf plot shows the time spent (hours) watching TV, by a group of students during one week.
a How many students were surveyed?
b What was the least and greatest number of hours of TVwatched?
c How many students watched less than 10 hours of TV a week?
d How many students watched more than 30 hours of TV a week?
e Draw a grouped frequency table to represent this data, using class intervals of: 1-5, 6-10, 11-15, etc.

5 A group of students were timed over a 5 kin course as a test of fitness. Three months later they were timed again over the same course. The data is given below. Draw a back to back stemplot comparing their times.

Student	First run	Second run
A	18	18
B	19	21
C	20	15
D	20	22
E	22	19
F	24	19
G	25	21
H	27	27
I	27	23
J	28	29
K	30	27
L	31	26
M	31	34
N	33	28
O	34	33
P	34	31
Q	37	35
R	40	33
S	42	41
T	46	37