

1 Here are the heights, in centimetres, of 15 plants.

15 20 25 33 17 22 25 18
22 19 32 35 24 28 19

Draw a stem and leaf diagram for these heights.

Tens column

ones column

1	5 7 8 9 9
2	0 2 2 4 5 5 8
3	2 3 5

needs to be
in correct
order (smallest to largest)

②

Key: $1|5 = 15 \text{ cm}$

①

Correct unit
stated

(Total for Question 1 is 3 marks)

2 Here are the ages, in years, of 15 people.

19	28	29	33	27
27	37	25	27	37
17	45	47	25	26

Show this information in a stem and leaf diagram.

Notes:

Items in the same row should be ordered
(e.g. 1|79 NOT 1|97)

1	7 9
2	5 5 6 7 7 7 8 9
3	3 7 7
4	5 7

②

e.g. Key: 2 5 = 25 years

①

(Total for Question 2 is 3 marks)

- 3 Hetvi asked her friends how many stickers they each have in their collection.
Here are her results.

~~77~~ ~~86~~ ~~94~~ ~~87~~ ~~71~~ ~~98~~
~~74~~ ~~103~~ ~~71~~ ~~85~~ ~~82~~ ~~84~~
~~97~~ ~~91~~ ~~88~~ ~~89~~ ~~75~~

- (a) Show this information in a stem and leaf diagram.

7	1 1 4 5 7	(2)
8	2 4 5 6 7 8 9	
9	1 4 7 8	(1)
10	3	

Key: eg 10 | 3
represents 103 (1)

(3)

- (b) Find the median number of stickers.

Number of terms = 17

$$\begin{aligned}
 \text{Median} &= \frac{17+1}{2} \quad \text{— median for odd total of numbers:} \\
 &= 9 \text{th term} \quad \frac{n+1}{2} \quad \text{86} \\
 &= 86 \quad (1) \quad \text{(2)}
 \end{aligned}$$

(Total for Question 3 is 5 marks)