

1. Egit did an experiment growing runner bean plants for his biology coursework.

Information about the heights, in centimetres, of his 19 plants is given below.

130 210 230 170 310 280 210 190 190 90
 240 200 200 170 250 180 100 150 90

Draw an ordered stem and leaf diagram to show this information (on squared/lined paper).

2. Here are the weights, in grams, of 15 cherry tomatoes.

10.1 9.0 8.3 8.8 9.4 10.5 9.5 8.4
 9.8 9.5 10.3 8.7 8.8 9.0 9.3

(a) Show this information in an ordered stem and leaf diagram (on squared/lined paper).

(b) Work out the range.

(b)

(c) Work out the median.

(c)

stemLeaf (7) answers

0	9 9	Key: 1 5 = 150 cm
1	0 3 5 7 7 8 9 9	
2	0 0 1 1 3 4 5 8	
3	1	

8	3 4 7 8 8	Key: 8 3 = 8.3 grams	b) 2.2 grams	c) 9.3 grams
9	0 0 3 4 5 5 8			
10	1 3 5			

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3. Here are the seat heights, in metres, of 15 sofas.

0.40 0.27 0.38 0.42 0.37 0.29 0.37 0.39
 0.41 0.42 0.35 0.43 0.29 0.33 0.39

(a) Show this information in an ordered stem and leaf diagram (on squared/lined paper).

(b) Work out the median.

(b)

Gilyaz selects a sofa at random

(c) Write down the probability that its seat height is lower than 35 centimetres.

(c)

3a)

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

Key: 3|7 = 0.37 metres
b) 0.38 metres
c) $\frac{4}{15}$

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