

1. Here are the volumes, in millilitres, of water in 19 glasses.

510 320 410 460 380 270 280 320 430 470
470 310 270 310 450 300 320 370 520

(a) Draw an ordered stem and leaf diagram for this data.

(b) Work out the range.

(b)

(c) Write down the mode.

(c)

2. Tristan did an experiment growing dwarf sunflowers.

Information about the heights, in centimetres, of his 16 plants is given below.

102	74	87	79	83	91	112	107
105	84	76	99	88	93	93	113

Draw an ordered stem and leaf diagram to show this information.

3. Here are the seat heights, in metres, of 19 computer chairs.

0.45	0.49	0.4	0.38	0.41	0.51	0.39	0.39	0.48	0.53
0.53	0.47	0.46	0.43	0.38	0.48	0.5	0.52	0.53	

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

- (b) Write down the mode.

..... metres

- (c) Work out the median.

..... metres

Answers

1. (a) 2|7, 7, 8
 3|0, 1, 1, 2, 2, 2, 7, 8
 4|1, 3, 5, 6, 7, 7
 5|1, 2
 key e.g. 4|3 = 430 ml

(b)

(b)**250**....

(c)

(c)**320**....

2. 7|4, 6, 9
 8|3, 4, 7, 8
 9|1, 3, 3, 9
 10|2, 5, 7
 11|2, 3
 key e.g. 8|3 = 83 cm

3. (a) 3|8, 8, 9, 9
 4|0, 1, 3, 5, 6, 7, 8, 8, 9
 5|0, 1, 2, 3, 3, 3
 key e.g. 4|3 = 0.43 m

(b) Write down the mode.

....**0.53**.... metres

(c)

....**0.47**.... metres