

1. Seyda has a summer job at a restaurant doing valet parking.

She records the estimated values of the 23 cars she parks one night.

The stem and leaf diagram gives information about the values, of the cars.

0	3 5
1	0 1 2 5 8
2	2 3 5 6 7 9
3	1 4 8 8
4	2 3 7
5	5 8
6	7

Key: 3|8 = £38 000

- (a) Work out the median. . . . .

A car is chosen at random.

- (b) Work out the probability that Seyda's estimate of the car's value is over £45 000

. . . . .

2. Ms Davies timed how long it took for her year 10 class to get out and open their planners.

The stem and leaf diagram shows the data for her 22 students.

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

Key: 7|2 = 7.2 seconds

- (a) Work out the mode. . . . .

- (b) Work out the range. . . . .

. . . . .

3. The stem and leaf diagram gives information about the volume, in millilitres, of the wine in 15 glasses.

1	1 5 7
2	0 1 2 3 5 6 8
3	1 5 6 8
4	2

Key: 3|1 = 350 millilitres

Work out the median. . . . .

. . . . .

Answers: 1 a) £27 000 b)  $\frac{4}{23}$  2 a) 7.8 seconds b) 5.5 seconds 3) 250 ml