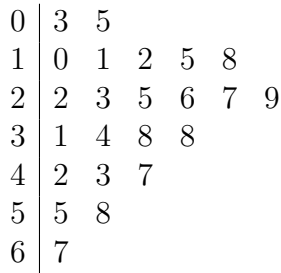1. Seyda has a summer job at a restaurant doing valet parking.

   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          Key: 3|8 = £38 000
   4 | 2  3  7
   5 | 5  8
   6 | 7
   ```

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

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

   A car is chosen at random.

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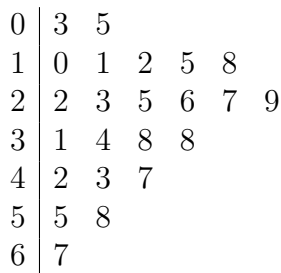
                                                                   . . . .

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stemLeaf (6) 1 a) £27 000 b) £63 000 c) $\dfrac{4}{23}$ 2 a) 7.8 seconds b) 5.5 seconds   3) 250 ml

---

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.   . . . .