3 (a)

| Colour | Frequency |
|--------|-----------|
| Blonde | 9 |
| Brown | 10 |
| Red | 6 |



Colour of hair
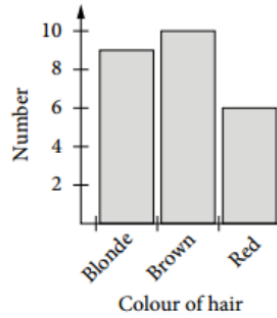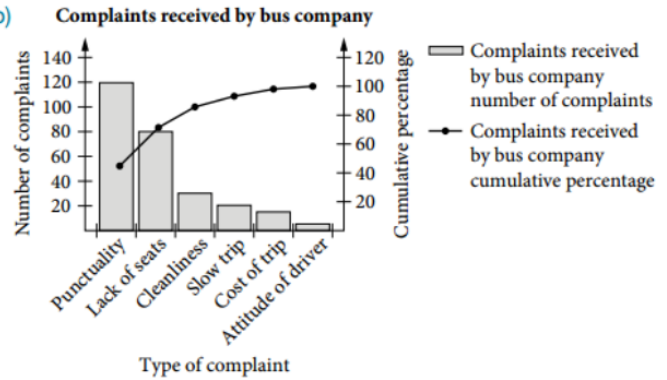
(b) The least frequently observed hair colour is red.

4 (a)

| Type of complaint | Number of complaints | Percentage | Cumulative percentage |
|-------------------|---------------------|------------|----------------------|
| Punctuality | 120 | 44 | 44 |
| Lack of seats | 80 | 30 | 74 |
| Cleanliness | 30 | 11 | 85 |
| Slow trip | 20 | 7 | 92 |
| Cost of trip | 15 | 6 | 98 |
| Attitude of the driver | 5 | 2 | 100 |
| | 270 | 100 | |

(b)

**Complaints received by bus company**



Type of complaint

☐ Complaints received by bus company number of complaints

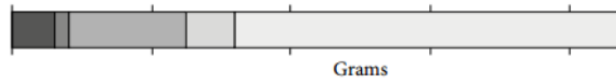●– Complaints received by bus company cumulative percentage

(c) The Company needs to have the buses run on time, have more buses and clean them better.

6 (a) 35    (b) 78    (c) 30%    (d) 0.13

8 (a) (i) 17 cm
(ii) Protein: 1.20 cm
Total fat: 0.38 cm
Carbohydrate: 3.26 cm
Dietary fibre: 1.28 cm
Other: 10.88 cm



Grams

☐ Protein
☐ Total fat
☐ Carbohydrate
☐ Dietary fibre
☐ Other

(iii) If a 68 cm bar is drawn to represent the total, then protein should take 4.8 cm and carbohydrate should take 13.04 cm.
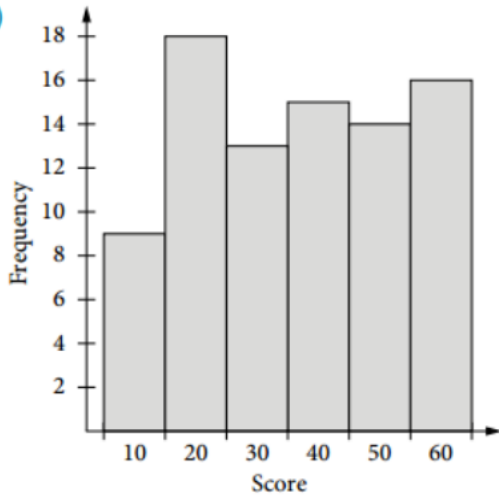
10 B

11 (a) $88 - 64 = 24$
(b)

| Stem | Leaf |
|------|------|
| $6_L$ | 4 |
| $6_H$ | 6 8 9 9 |
| $7_L$ | 0 0 1 1 1 2 2 3 3 4 4 |
| $7_H$ | 5 6 6 6 6 7 7 7 7 7 8 9 9 |
| $8_L$ | 0 0 1 2 2 2 3 4 4 |
| $8_H$ | 7 8 8 |

Key: $8|0 = 80$

**13 (a)**



The lowest score that could have been included in the data is 0; the highest score that could have been included in the data is 59.9.

**17 (a)**

| Defect | Frequency | Percentage | Cumulative percentage |
|---|---|---|---|
| Faulty light | 17 | 36 | 36 |
| Faulty fan | 12 | 26 | 62 |
| Faulty element | 9 | 19 | 81 |
| Damaged box | 4 | 9 | 90 |
| Scratched glass | 3 | 6 | 96 |
| Other | 2 | 4 | 100 |
| | **47** | **100** | |

**(b)**



Defects in a new oven