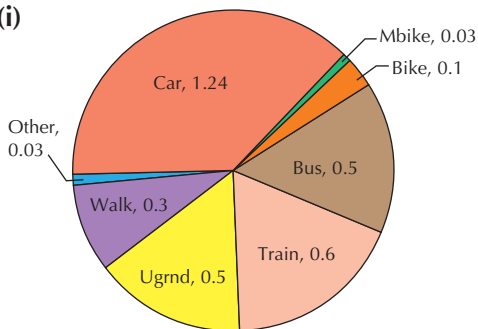


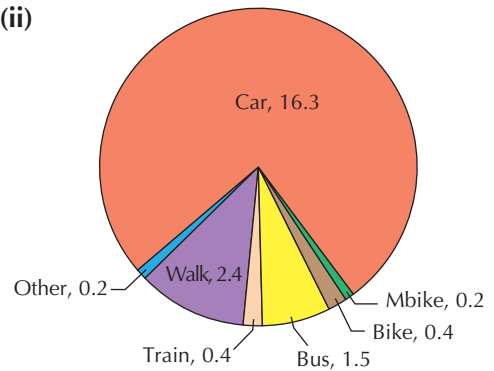
Chapter 24

Exercise 24A

- 1 a lucky dip
b hoopla, find king. More likely to lose than win.
c hoopla:16, king: 92, dip: 121
d King more popular, more cash.
- 2 a (i) 12
(ii) 28
(iii) 42
(iv) 60
b Aberdeen has average of 4°C and high probability snow.
c (i) Higher North = higher snow probability
(ii) Higher North = colder.
- 3 a (i) 13, 16, 14
(ii) $\frac{13}{30}, \frac{16}{31}, \frac{7}{15}$
(iii) 43.3%, 51.6%, 46.7%
(iv) April
b (i) 30%, 50%, 90%
(ii) Rises
(iii) June
c June
d Exercise for student
- 4 a (i) $\frac{4}{25}$
(ii) $\frac{1}{50}$
(iii) $\frac{71}{100}$



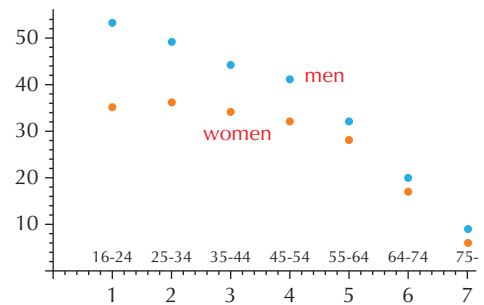
(ii)



- c see b, numbers in millions.
- d (i) Car, Train, underground, bus
(ii) Car, pavements, bus

Car top priority for both. London high priority for train, underground and bus; Rest of UK less of a priority.

5 a



- b trend is negative with increasing age, men higher
- c (i) Age restricts ability
(ii) possibly cultural, team sports issues.
- d Dance or walking. Women and over 55s need more exercise.

Exercise 24B

- 1 a $\frac{23}{119}$
b $\frac{167}{212}$
c They missed out the 0 weight results. No.
d B. Greater chance of 3kg or more.

- 2 a** (i) $\frac{1}{15}$
 (ii) $\frac{2}{15}$
 (iii) $\frac{1}{15}$
b (i) 17
 (ii) 35
 (iii) 17
c Real results not as good as estimates in b. PE class better than average.
d larger selection taken at random.
- 3 a** (i) 43.0%
 (ii) 57.0%
b (i) 60.8%
 (ii) 36.5%
c No, needed some other candidate names. Results do not reflect population.
- 4 a**
- | | | |
|---------|--------------|-------|
| student | conservative | 41.7% |
| | liberal | 12.0% |
| | Labour | 22.9% |
| | SNP | 20.0% |
| | other | 3.4% |
| shopper | conservative | 9.3% |
| | liberal | 6.6% |
| | Labour | 27.7% |
| | SNP | 51.3% |
| | other | 5.1% |
- b** Shoppers much bigger sample, students not representative of overall population
c Shoppers
d Opinion polls can draw out extreme views that are not voted on in real election. Protest views.