

Chapter 23

Exercise 23A

- 1 **a** 9°C
b Cardiff, London.
c 6
d London
e Manchester
f air pressure or wind speed
- 2 **a** 72
b 36
c football 34, gym 11, hockey 14, netball 4, swim 8, tennis 7
d 34
- 3 **a** largest numbers in late 40s, but evenly spread up to early 60s then decline.
b Very largely skewed towards very young. No peak, numbers decline rapidly after 15 years.
c UK middle age largest numbers, India greatly skewed towards high numbers of young
- 4 **a** $13\frac{1}{3}$ oz oaty
 $5\frac{1}{3}$ oz butter
24 oz blueberries
 $11\frac{1}{3}$ oz caster sugar
grated zest 3 limes
 $26\frac{2}{3}$ oz cream cheese
 $\frac{2}{3}$ pint double cream
 $5\frac{1}{3}$ tsp gelatine
 $\frac{2}{3}$ pint sour cream
b 125 g plain flour
275 g butter
5 eggs
563 g sugar
478 g walnuts
 $2\frac{1}{2}$ tsp baking powder.

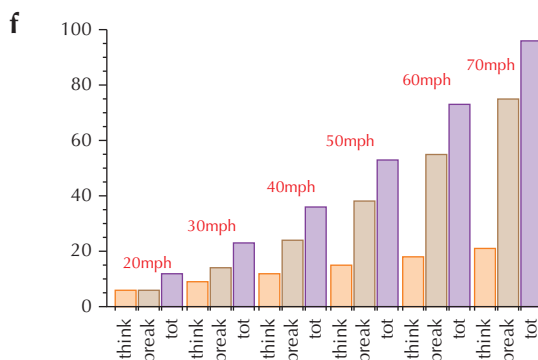
- 5 **a** lynn healthy
Jess overweight
Andy healthy
Dave overweight
Pete healthy
Ola underweight
b (i)

Lynn	607
jess	685.2
Andy	297
Dave	833
Pete	308.6
Ola	440

(ii) None.

Exercise 23B

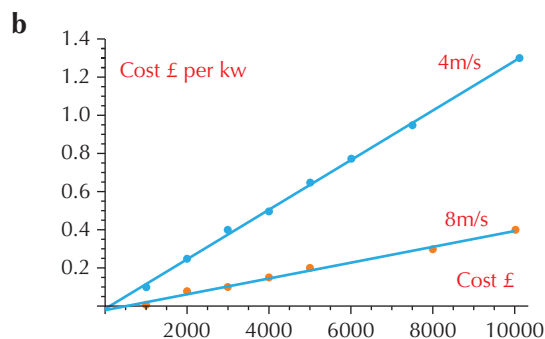
- 1 **a** 15m
b 24m
c 96m
d 63m
e thinking distance independent of weather, braking dist much greater in wet weather.



- 2 Male drivers should be ~ 24, female ~ 12
female maintenance ~4
male drivers over=represented, female drivers – slightly under. Rest OK.
- 3 **a** downwards
b fall
c Pout
d Whiting

- e Apart from 1970 when there was more haddock, roughly similar although out of phase.
- f reduced
- 4 a Average very slightly higher than 61-90 average.
- b Definite increase.
- 5 a Charity - due to numbers of observations, and time-spread.
- b mean, decimal fraction.
- 6 Mean time decreases with training. Slight reduction in IQR. Greatest improvement at beginning of training.
- 7 a Venturer is safest.
- b Pioneer, due to extremes.

8 a £6500



c

d 8m/s more efficient.

Activity 1 – Villa Elvira – Highest percentage return on purchase price, 5.53% per year.