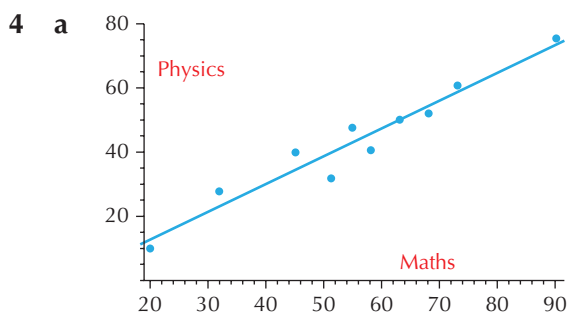
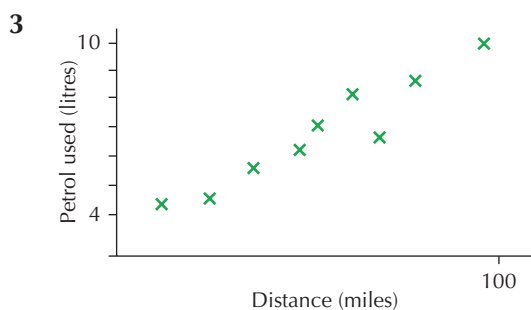


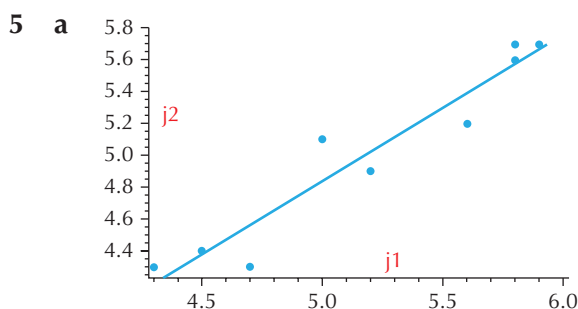
Chapter 8

Exercise 8A

- 1 a positive - more alcohol, slower reaction times
- b negative - The older you are the less alcohol you drink
- c none - temperature does not influence car speed on M1
- d positive - The older you are, the more money you save
- 2 a (i) Rhona: D, Haider: A, Jim: B.
(ii) Car has high mileage and is old.
- b higher mileage relates to lower value.



- b maths scores increase as physics increase, positive.
- c see a
- d 30
- e 79
- f maths, all pupils got more in maths

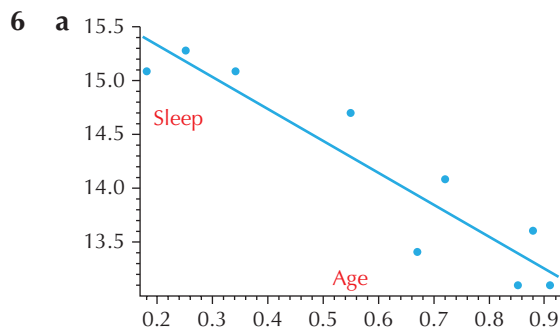


- b positive correlation, consistency between judges.

c see a

d 4.7

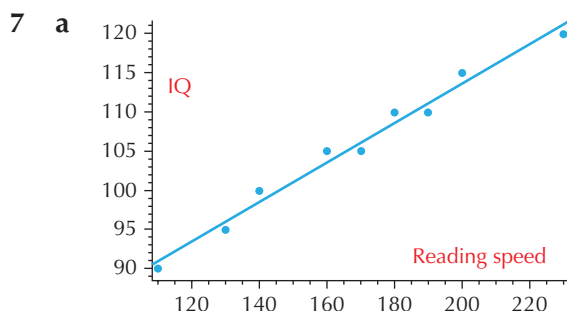
e 5.6



- b negative correlation, as age gets higher, sleep reduces.

c see a

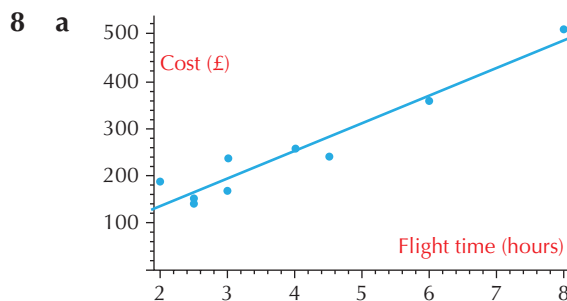
d 14.45 hours.



- b positive correlation. As reading speed increases, IQ increases.

c see a

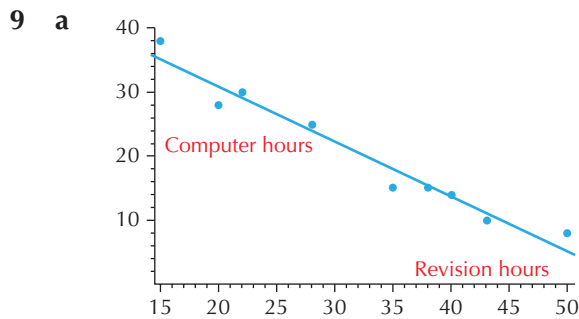
d 116



b see a

c £310

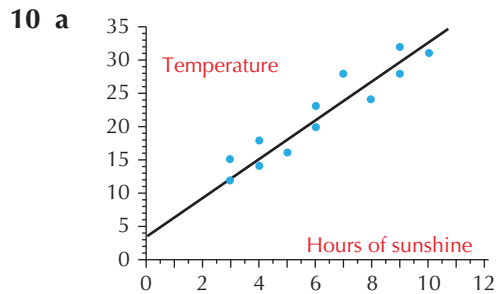
d 5 hours



b see a

c 20.6

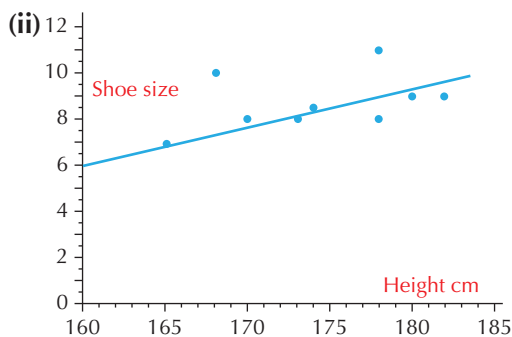
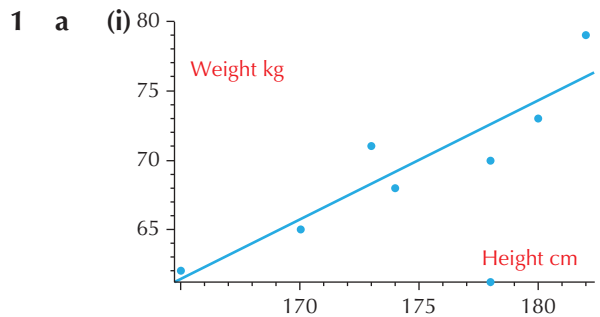
d 32.7



b See a

c 4.76

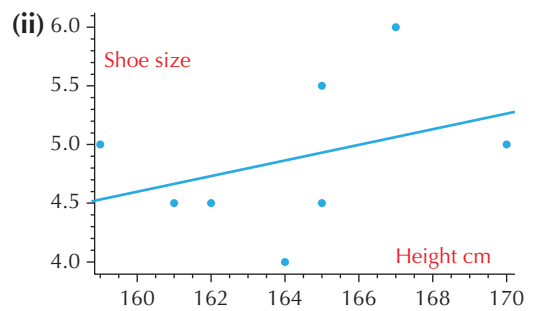
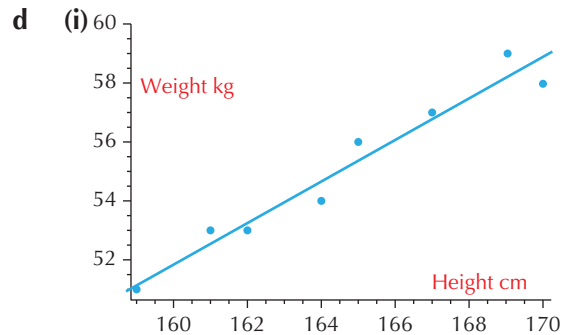
Exercise 8B



b see a

c (i) 65.8 kg

(ii) 9.5

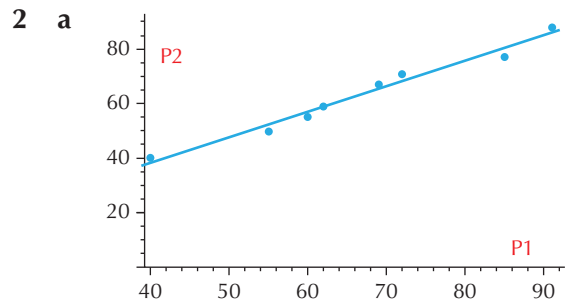


e see d

f both show positive correlation

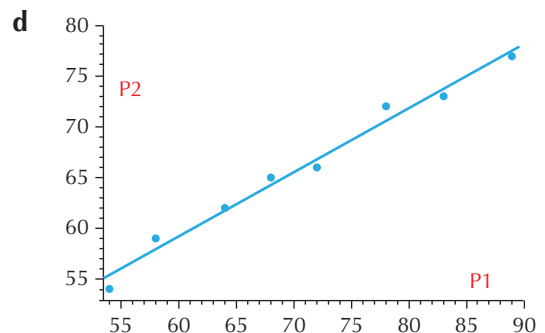
g both show weak positive correlation.

h Girl – fits girl graph better.



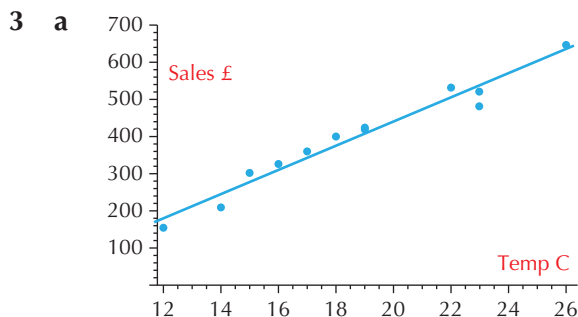
b see a

c 62%

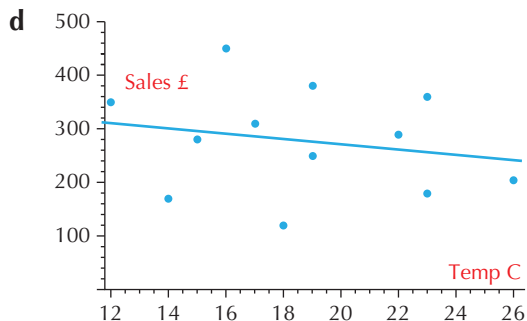
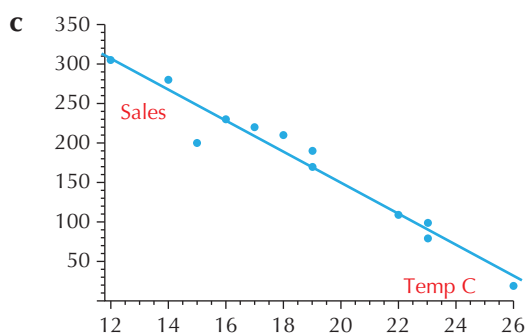


e Strong positive correlation between P1 and P2.

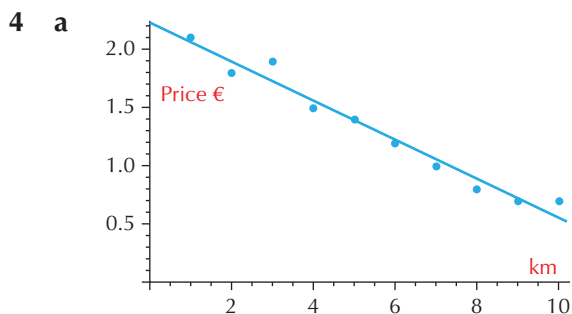
f Prelim – fits graph.



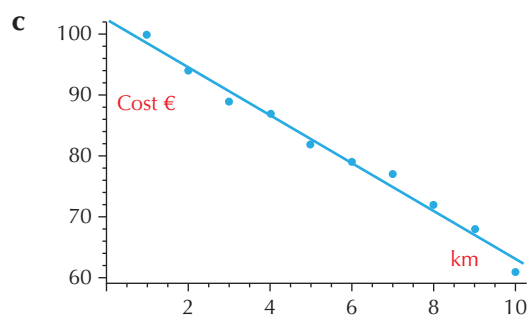
b £440



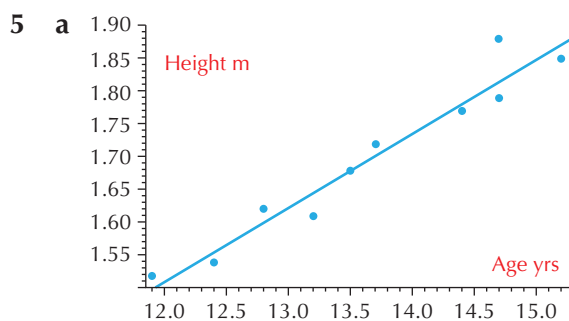
e ice cream positive correlation, umbrella negative correlation, newspapers extremely weak negative correlation [virtually zero]



b Ice cream cost falls as distance from Vatican rises.



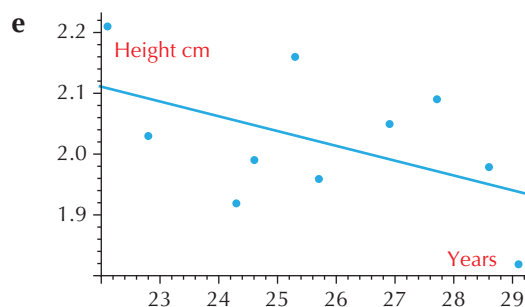
d costs for both increase with proximity to Vatican. Gain as much tourist revenue as possible.



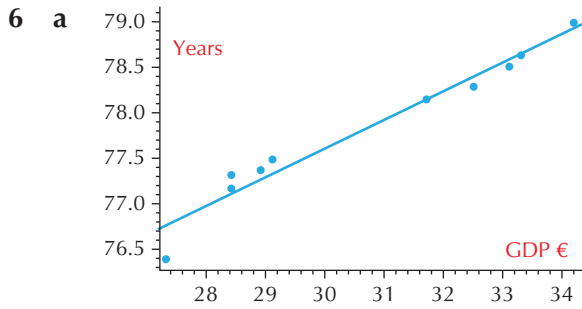
b see a

c 1.74 m

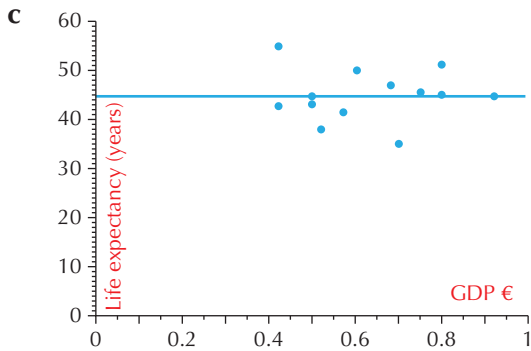
d 18.1 years; 2.2 m is unlikely height for 18 year old. Height cannot increase indefinitely.



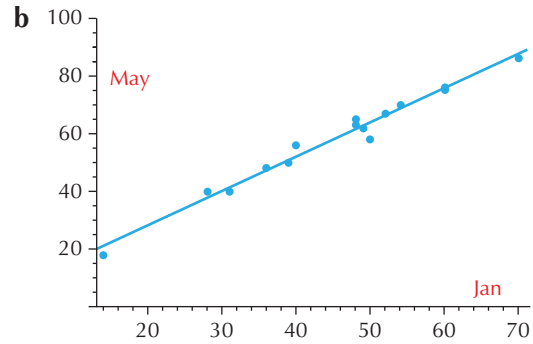
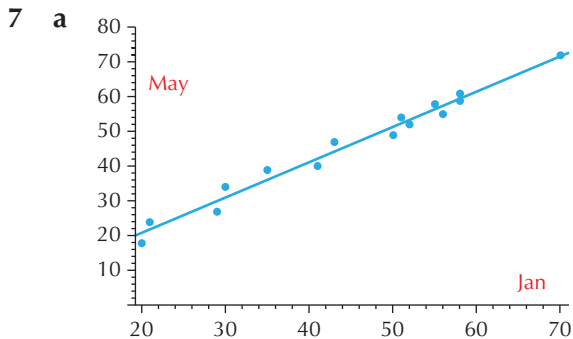
f under 18 graph is good correlation, increase age – height. Over 18 is poor correlation, and negative.



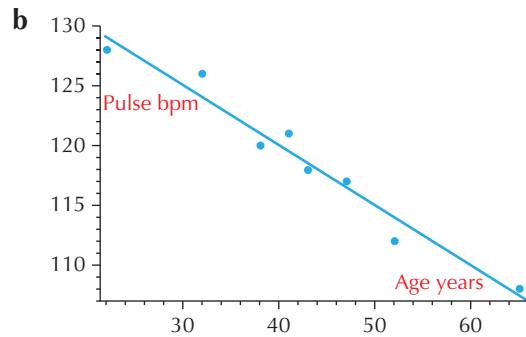
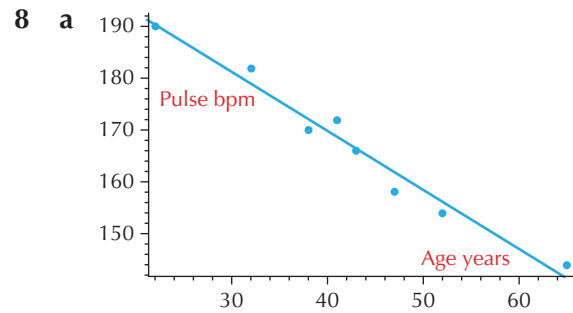
b 77.45



d Life expectancy in Western Europe increases as GDP increases as shown by the positive correlation whereas there is no correlation between GDP and life expectancy in Africa.



c Revision class results are higher therefore they are effective revision class results are higher.



c pulse has fallen after club, men are fitter.

Activity – exercise for student.