

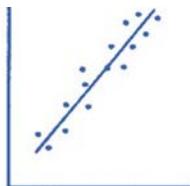


Starter

In words, describe the relationship between the price and age of cars:

Top Tips!

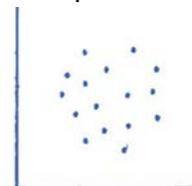
Plot the two sets of data but don't join the points!



+ive correlation

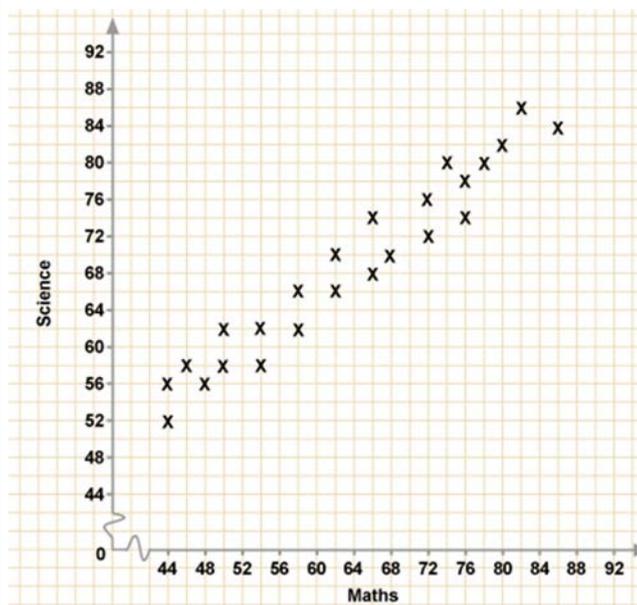


-ive correlation



No correlation

Skills:

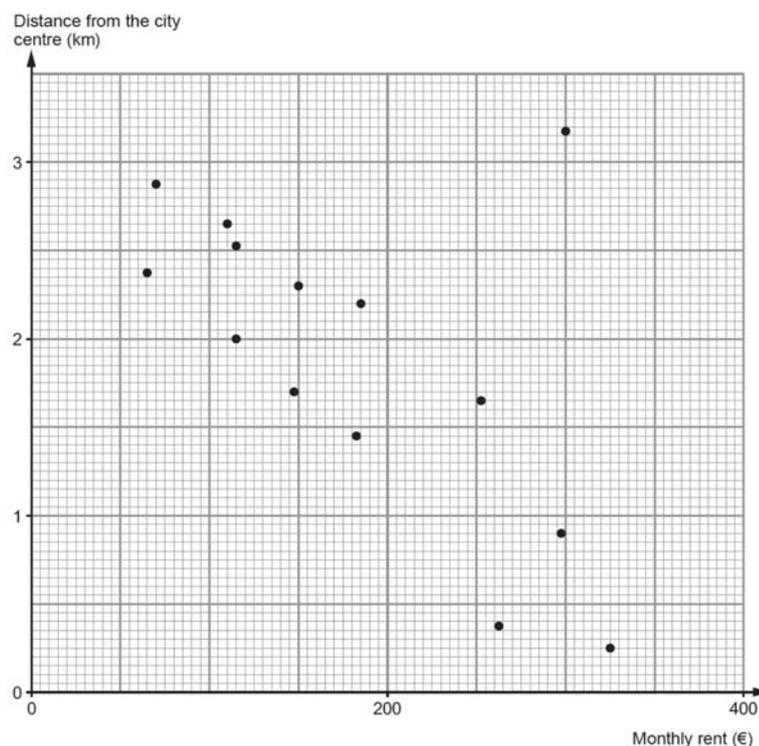


- 1) Catrin scored 48 in her maths test. What was her mark in the science test?
- 2) What kind of correlation is shown?
- 3) What was the highest science mark?
- 4) What is the lowest maths mark?
- 5) Draw the line of best fit.

Examination Question:

2015 January Link - Applications U2 Higher Qu 1

The scatter diagram displays data for furnished, two-bedroom apartments in a European city. It shows the monthly rental cost and the distance the apartment is from the city centre.



One of the apartments represented on the scatter diagram is a luxury apartment with electronic sound systems and computerised equipment. Can you tell with certainty, from the scatter diagram, which is the luxury apartment? You must give a reason for your answer. [1]

Draw, by eye, a line of best fit on the scatter diagram. [1]

Use your line of best fit to estimate the monthly rental cost for a furnished, two-bedroom apartment 1.25 km from the city centre. [1]

Assessment for Learning

Video / QR code



Starter

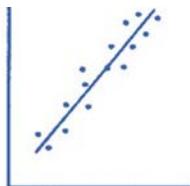
In words, describe the relationship between the price and age of cars:

Negative Correlation

The older the car, the lower its price will be.

Top Tips!

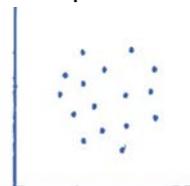
Plot the two sets of data but don't join the points!



+ive correlation

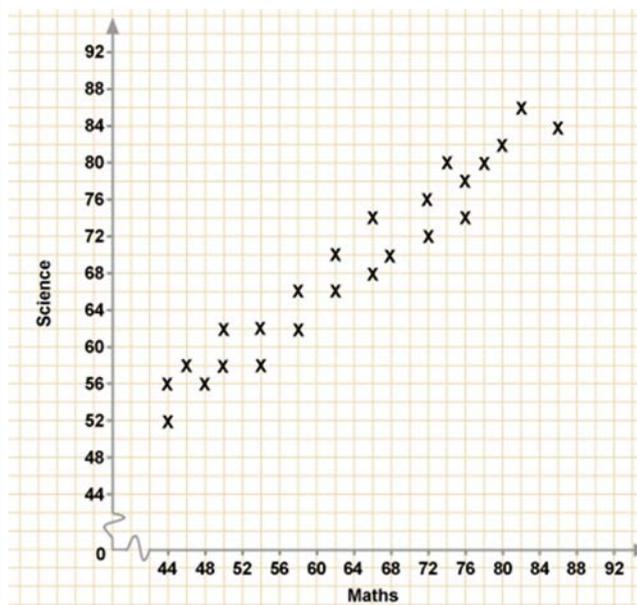


-ive correlation



No correlation

Skills:

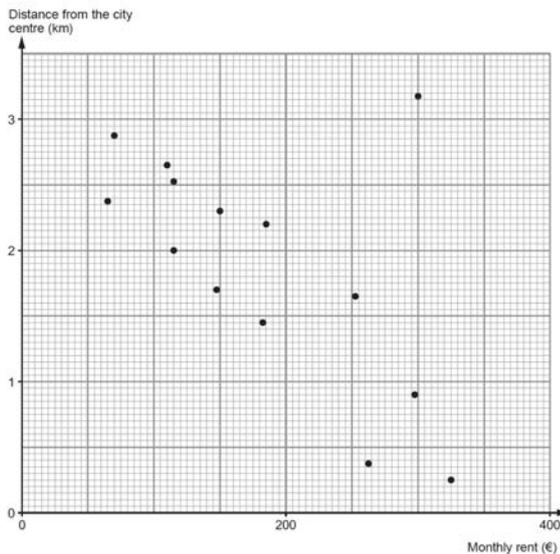


- 6) Catrin scored 48 in her maths test. What was her mark in the science test? **56**
- 7) What kind of correlation is shown? **Positive**
- 8) What was the highest science mark? **86**
- 9) What is the lowest maths mark? **44**
- 10) Draw the line of best fit.

Examination Question:

2015 January Link - Applications U2 Higher Qu 1

The scatter diagram displays data for furnished, two-bedroom apartments in a European city. It shows the monthly rental cost and the distance the apartment is from the city centre.



One of the apartments represented on the scatter diagram is a luxury apartment with electronic sound systems and computerised equipment. Can you tell with certainty, from the scatter diagram, which is the luxury apartment? You must give a reason for your answer. [1]

Idea of scatter not showing which apartment is which so there is uncertainty, e.g. 'Suggest perhaps the apartment costing 300€, ≈3.2km from the centre may be the luxury apartment but there is not information to tell us this on the scatter diagram'

Draw, by eye, a line of best fit on the scatter diagram. [1]
Use your line of best fit to estimate the monthly rental cost for a furnished, two-bedroom apartment 1.25 km from the city centre. [1]

Assessment for Learning

Video / QR code

