

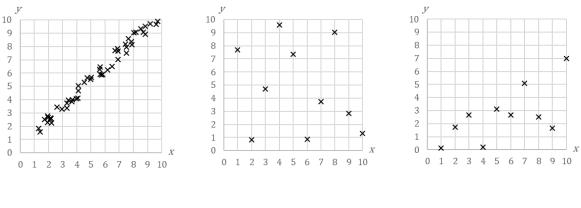
L2- Correlation- Questions

AQA

1) Frank says

"there is no link between the dependent and independent variable as when we calculated the correlation coefficient it was 1.94×10^{-6} ".

- i) Write the number 1.94×10^{-6} in decimal form. [1]
- ii) Explain why Frank is incorrect, sketching a graph to support your argument. [2]
- The following six graphs represent randomly generated bivariate data. The Pearson Correlation has been calculated for each but not stated.
 - i) Match each graph to one of the values.





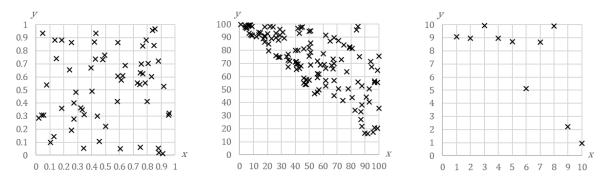
0.87

-0.24

0.99

0.03

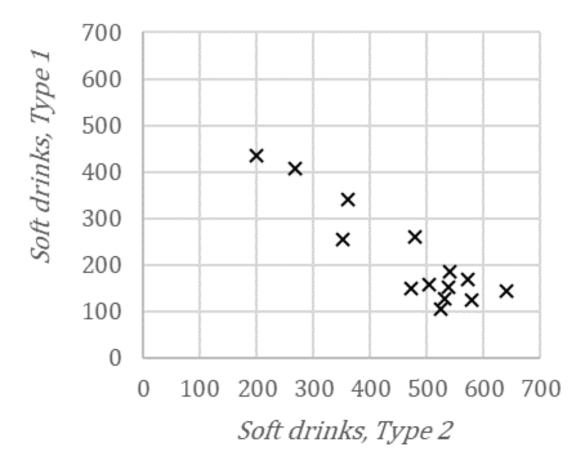
ii) For the remaining three, estimate the coefficient to 1 decimal place.



[3]

[3]

3) The large dataset¹ contains information on the consumption of soft drinks (*ml*). The graph of two types is shown below.



i)	Describe the relationship in words.	[2]
ii)	Estimate the correlation.	[1]
iii)	Suggest what the two types of drink are.	[1]

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