

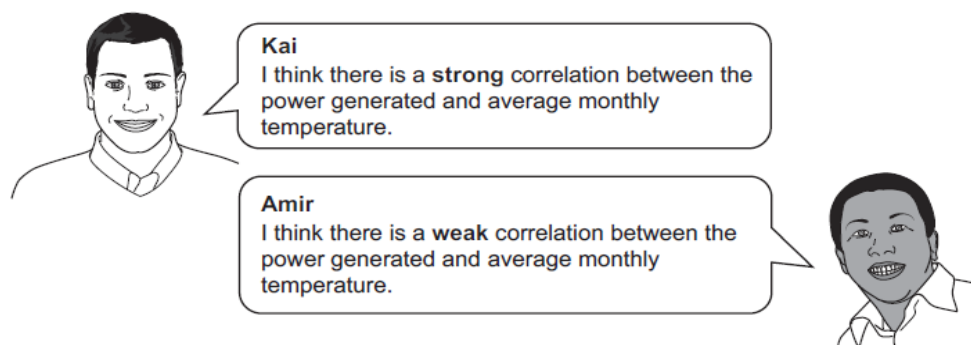
GCSE Physics B (Twenty First Century Science)
J259/04 Depth in physics (Higher Tier)

Question Set 29

1

Kai and Amir live near a wind farm.

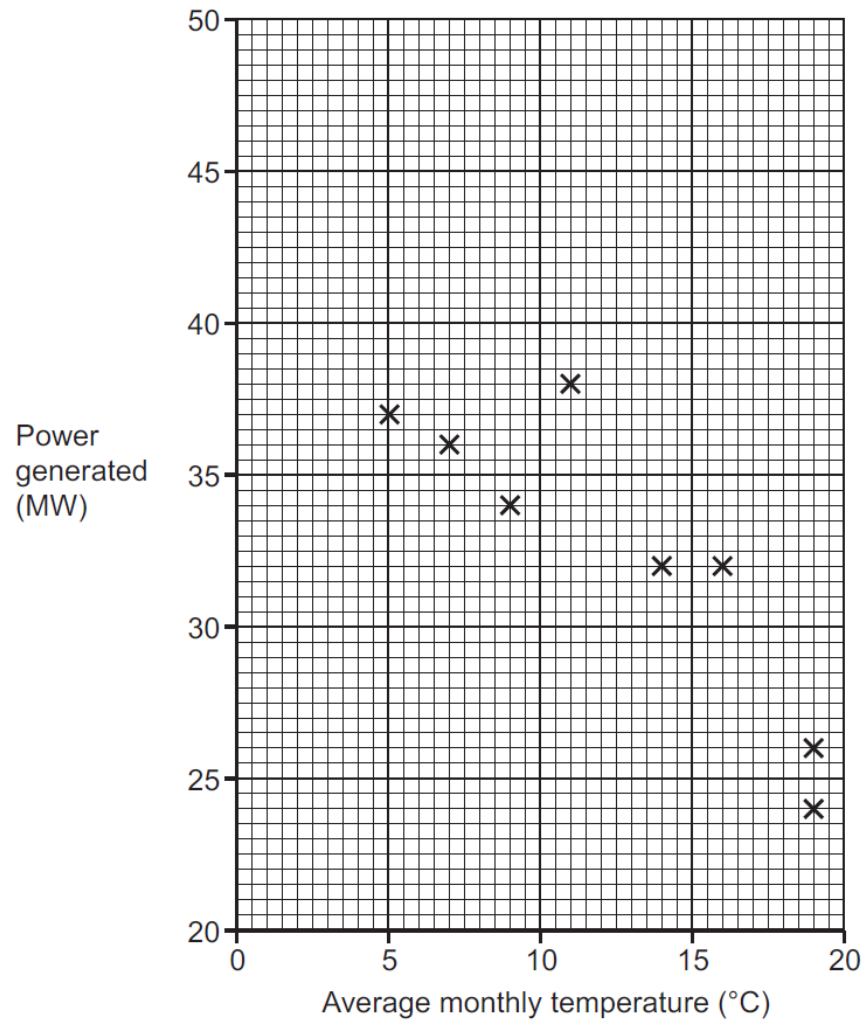
They both believe that there is a relationship between average monthly temperature and the power generated by the wind farm.



The table shows data for the wind farm over twelve months.

Month	Average monthly temperature (°C)	Power generated (MW)
January	5	37
February	7	36
March	9	34
April	11	38
May	14	32
June	16	32
July	19	24
August	19	26
September	17	32
October	13	40
November	10	35
December	7	41

- (a) (i) Complete the scatter graph by plotting the last four points from the table. [1]
- (ii) Draw a line of best fit. [1]



(b) Discuss Kai and Amir's comments.

Use the graph to support your answer.

[3]

Total Marks for Question Set 29: 5

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