

Correlation Difficulty: Easy

Question Paper 1

Level	IGCSE
Subject	Maths (0580/0980)
Exam Board	CIE
Торіс	Statistics
Sub-Topic	Correlation
Paper	Paper 2
Difficulty	Easy
Booklet	Question Paper 1

Time allowed:	15 minutes
Score:	/12
Percentage:	/100

Grade Boundaries:

CIE IGCSE Maths (0580)

A*	А	В	С	D	E
>88%	76%	63%	51%	40%	30%

CIE IGCSE Maths (0980)

9	8	7	6	5	4	3	
>94%	85%	77%	67%	57%	47%	35%	

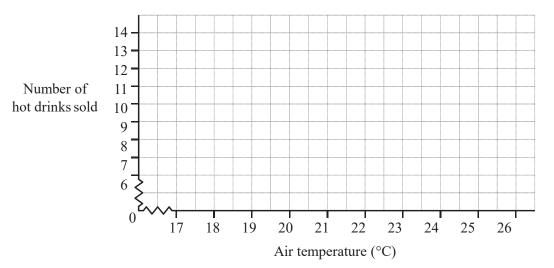
Question 1



The owner of a small café records the average air temperature and the number of hot drinks he sells each day for a week.

Air temperature (°C)	18	23	19	23	24	25	20
Number of hot drinks sold	12	8	13	10	9	7	12

(a) On the grid, draw a scatter diagram to show this information.

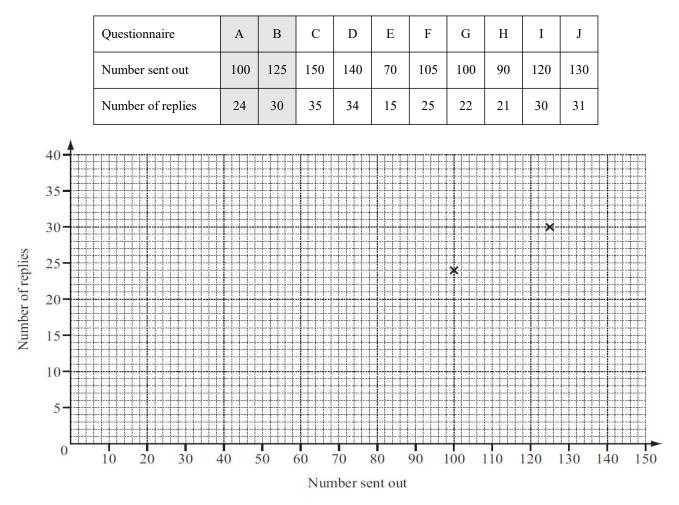


(b) What type of correlation does your scatter diagram show?

(c) Draw a line of best fitonthegrid

[2]

.[1]



A company sends out ten different questionnaires to its customers.

The table shows the number sent and replies received for each questionnaire.

(a) Complete the scatter diagram for these results. The first two points have been plotted for you.

[2]

(b) Describe the correlation between the two sets of data.

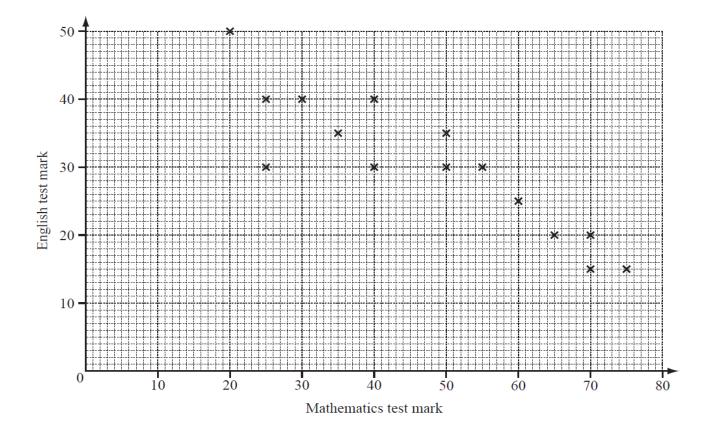
[1]

(c) Draw the line of best fit.

[1]







The scatter diagram shows the marks obtained in a Mathematics test and the marks obtained in an English test by 15 students.

(a) Describe the correlation.	[1]
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(b)	The mean for the Mathematics test is 47.3. The mean for the English test is 30.3.	
	Plot the mean point (47.3, 30.3) on the scatter diagram above.	[1]
(c)	(i) Draw the line of best fit on the diagram above.	[1]
	(ii) One student missed the English test.She received 45 marks in the Mathematics test.	
	Use your line to estimate the mark she might have gained in the English test.	[1]