

WILF ; to plot and
comment on correlations
in scatter graphs

Scatter Graph Questions: Level 6

Name :
Date:

1)

a) Plot a scatter graph of this data

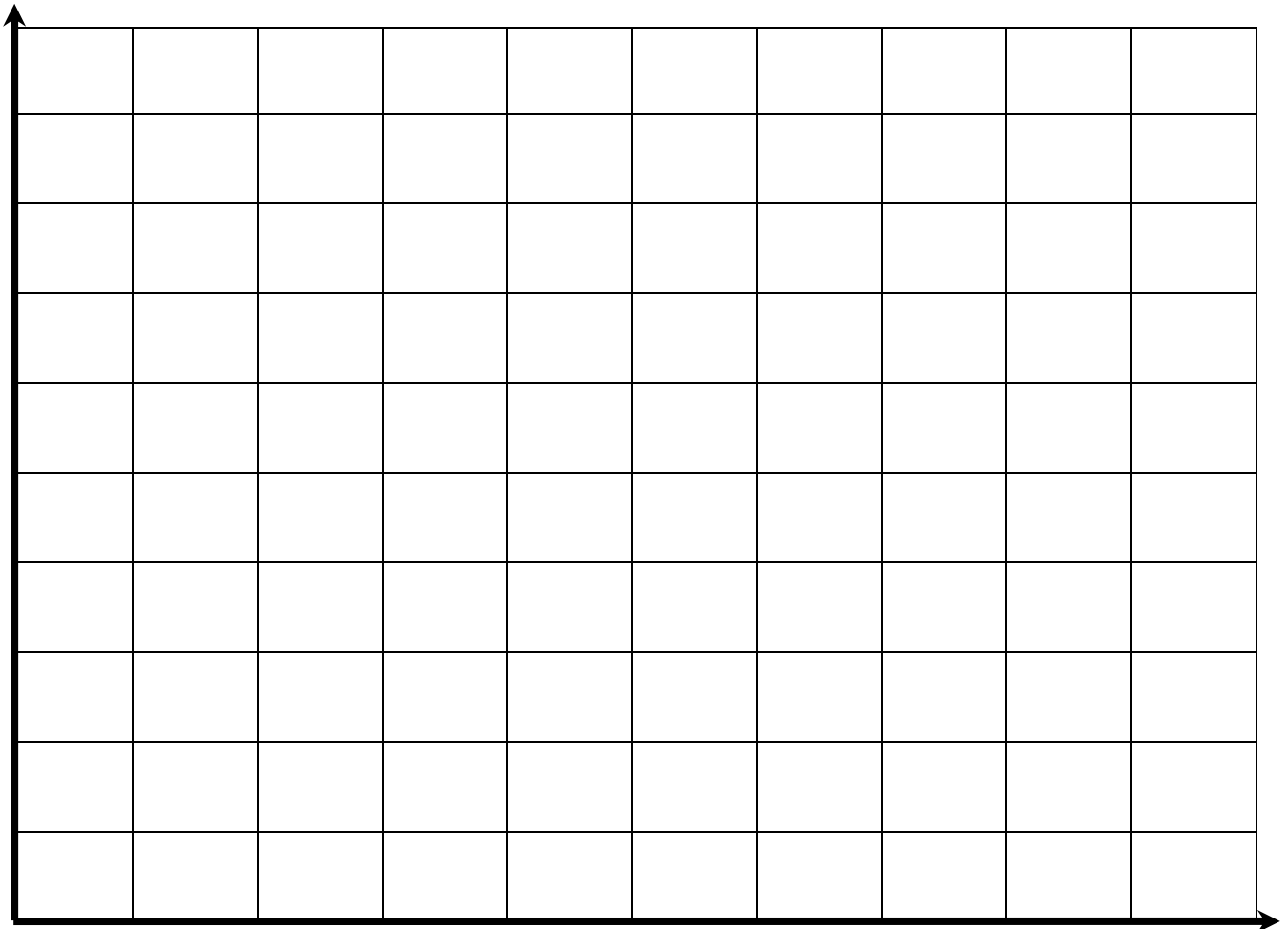
English Mark	25	35	30	78	45	67	91	82	60
History Mark	40	38	35	75	60	85	87	95	54

b) Remember to label the axes

c) Draw a line of best fit on the Graph

d) State what type of correlation there is

e) A pupil gets a mark of 50 in English. What mark would you expect them to get in History?

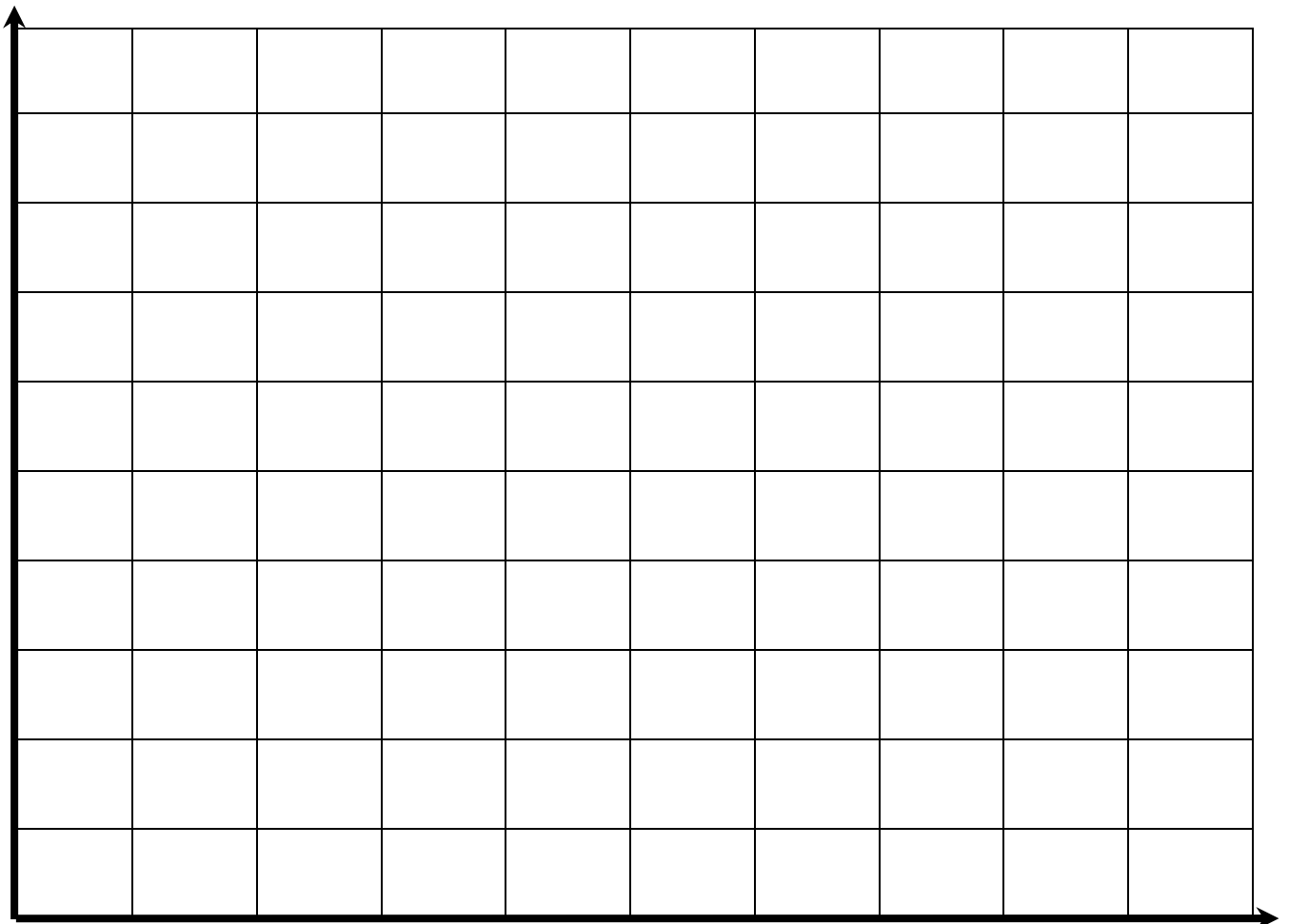


Describe the correlation:

2)

Test mark in Music	30	22	25	72	88	60	58	52
CDs Owned	28	75	110	80	100	15	30	130

- Plot a scatter graph of this data
- Remember to label the axes
- Draw a line of best fit on the Graph (can you?)
- State what type of correlation there is
- If a pupil has a mark of 40, can you predict the number of CDs they have? Why, or why not?

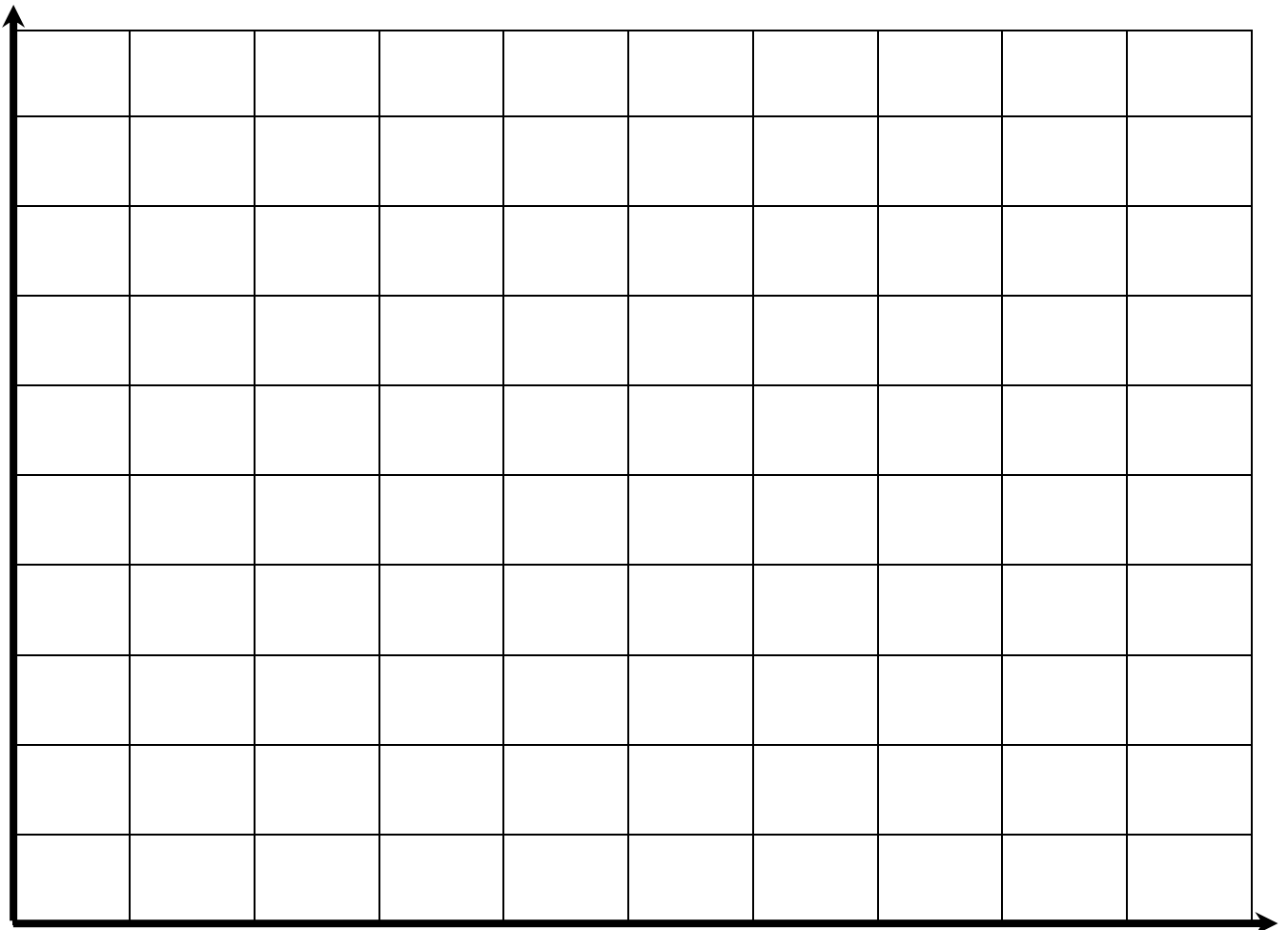


Describe the correlation:

3)

Money saved per month (£)	200	350	100	180	230	400	1,200	50	620
Salary (p.a)	15,000	19,000	13,000	13,500	14,500	22,000	32,000	12,000	23,000

- Plot a scatter graph of this data
- Remember to label the axes
- Draw a line of best fit on the Graph
- State what type of correlation there is
- If a person has a salary of £20,000 per year, how much would you expect them to save?



Describe the correlation: