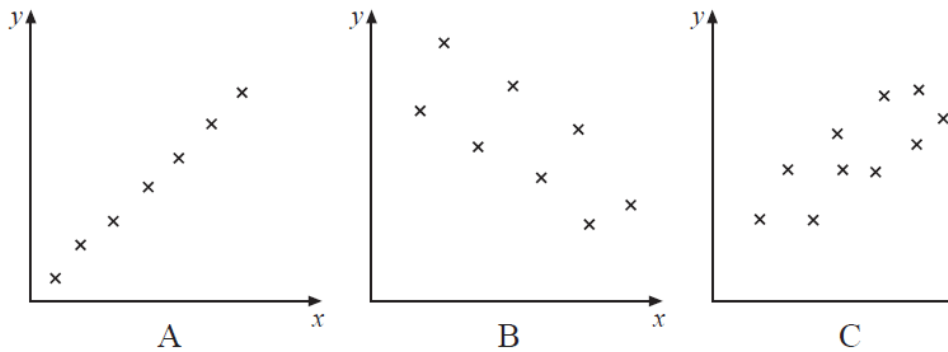


**SCATTER GRAPHS**

1. Consider the following graphs

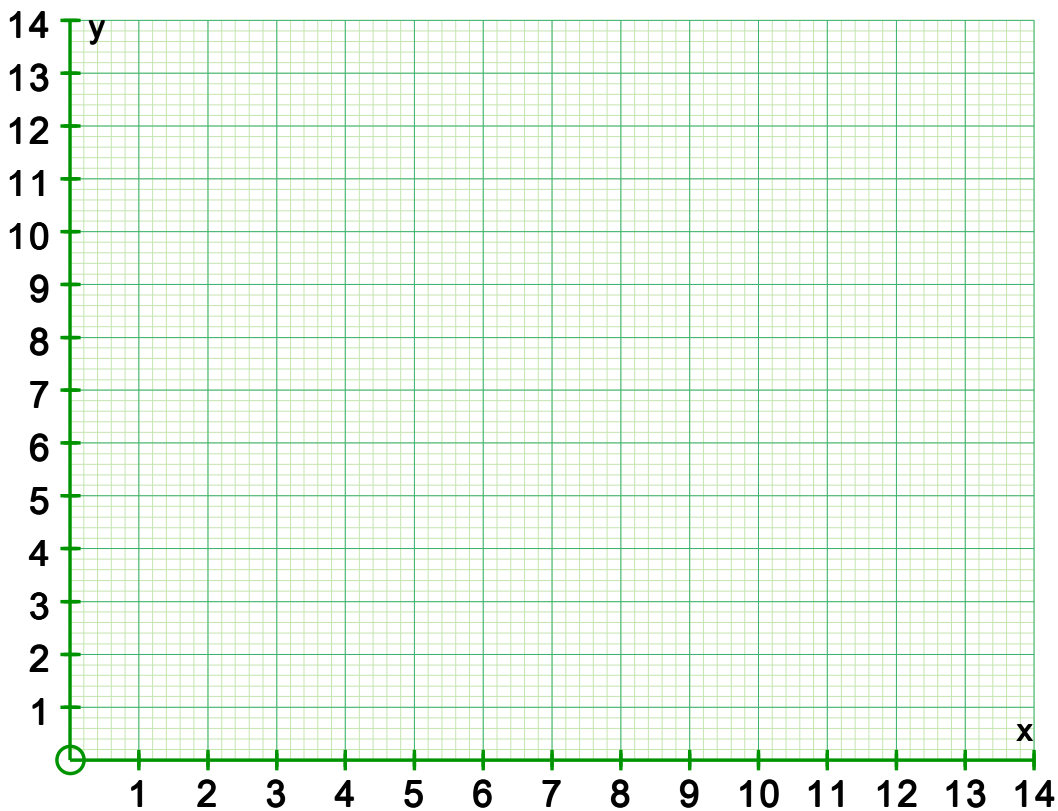


- (a) Which one shows strong positive correlation? .....
- (b) Which one shows negative correlation? .....

2. The following table lists values  $x$  and  $y$ .

$x$	2	4	6	7	8	9	10	11	12
$y$	3	5	8	5	9	6	9	9	11

(a) Plot a scatter graph for this data on the axes below.

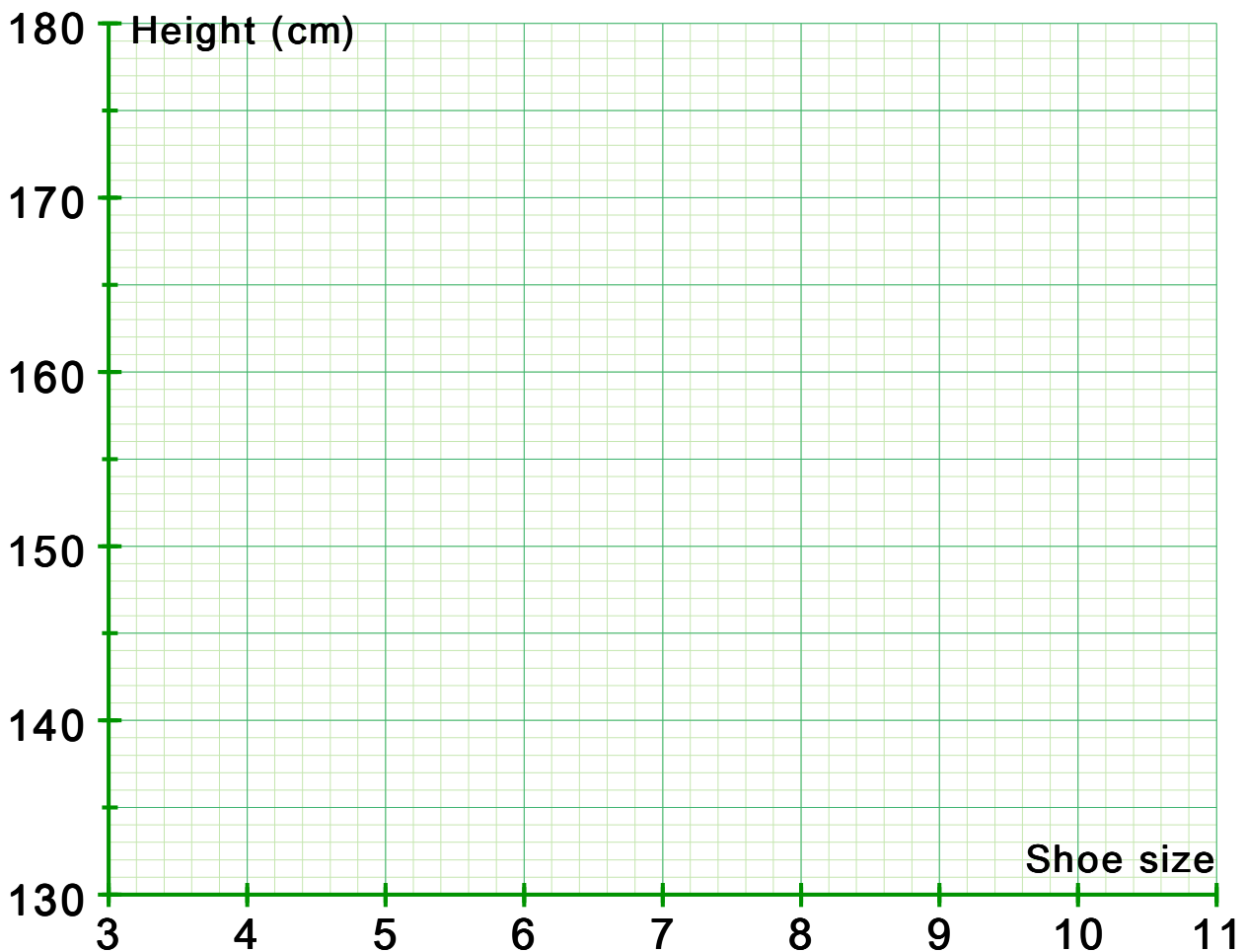


(b) Describe fully, the correlation between  $x$  and  $y$ . .....

3. Alice collected the following data on the height and shoe size of some of the students in her class:

Shoe size	6	4	8	5	9	10	4.5	5.5
Height (cm)	143	150	172	146	165	177	141	156

(a) Draw a scatter graph of the data on the axes below



(b) Draw a line of best fit on your scatter graph.

(c) Estimate the height of a person with a shoe size of 7.5

.....

(d) George has a height of 170cm. Estimate his shoe size.

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