Plot a scatter graph and describe correlation

Mr Clasper

Maths

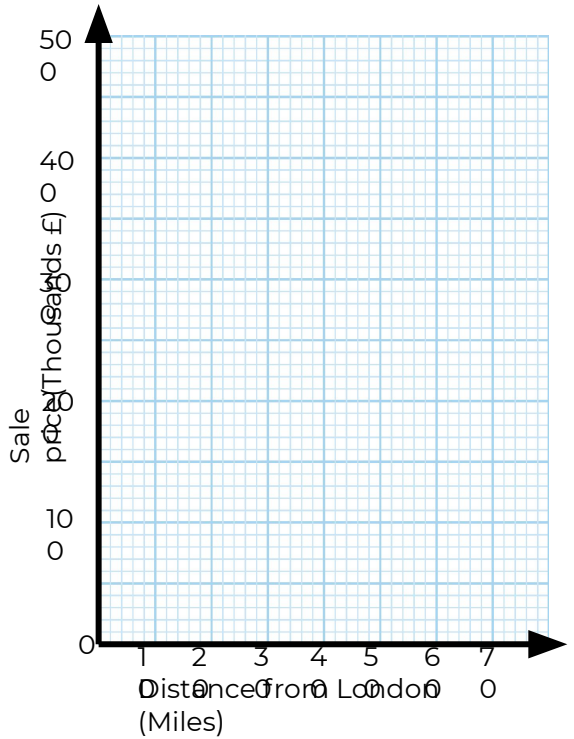
Plot a scatter graph and describe correlation

1. The table shows the sale price of 7 similar sized houses and the distance from London.

Distance (Miles)	15	20	32	35	42	54	67
Sale Price (Thousand £'s)	480	335	320	290	210	120	90

a) Draw a scatter graph on the axis.

b) Complete this sentence. As the distance from London increases the sale price of the house .....



Plot a scatter graph and describe correlation

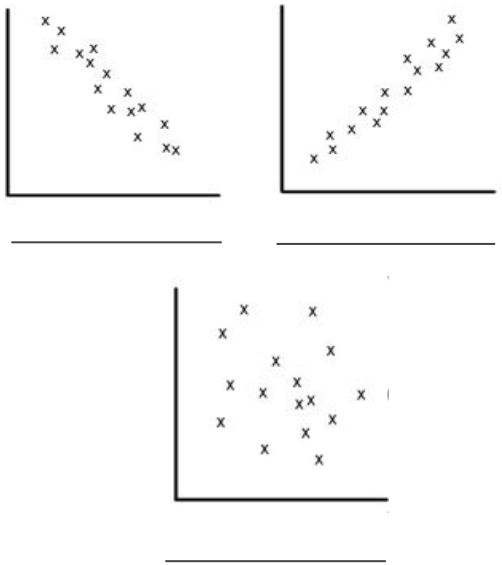
2. Complete these sentences.

a) _____ correlation exists when one variable increases as the other variable increases.

b) _____ correlation exists when one variable increases as the other variable decreases.

c) _____ correlation exists when there is no relationship between the two variables.

3. Label each scatter graph with the type of correlation.



Answers

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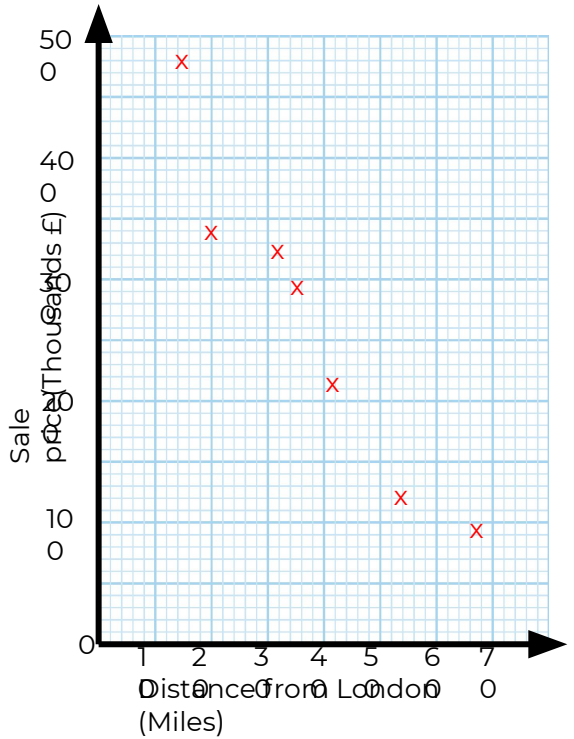
a) Draw a scatter graph on the axis.

b) Complete this sentence. As the distance from London increases the sale price of the house decreases.



Plot a scatter graph and describe correlation

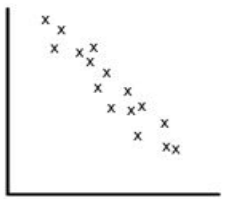
2. Complete these sentences.

a) Positive correlation exists when one variable increases as the other variable increases.

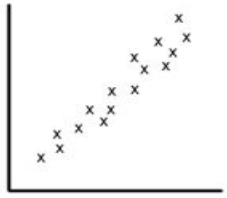
b) Negative correlation exists when one variable increases as the other variable decreases.

c) No correlation exists when there is no relationship between the two variables.

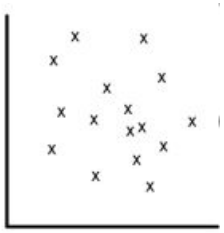
3. Label each scatter graph with the type of correlation.



Negative



Positive



None