#### Mathematics

# Correlation - Worksheet

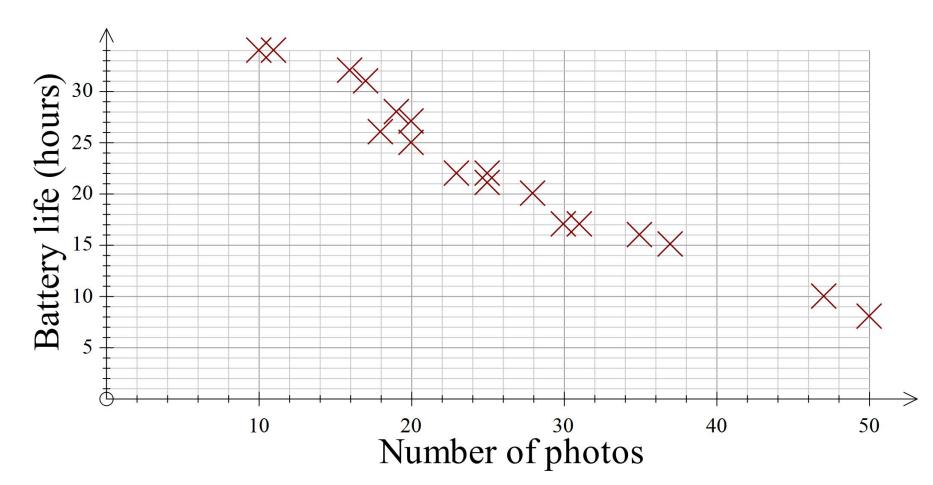
Mr Millar



## Try this

How could you describe the connection between the variables shown on the scatter graph?

How many way can you complete the sentence frame?

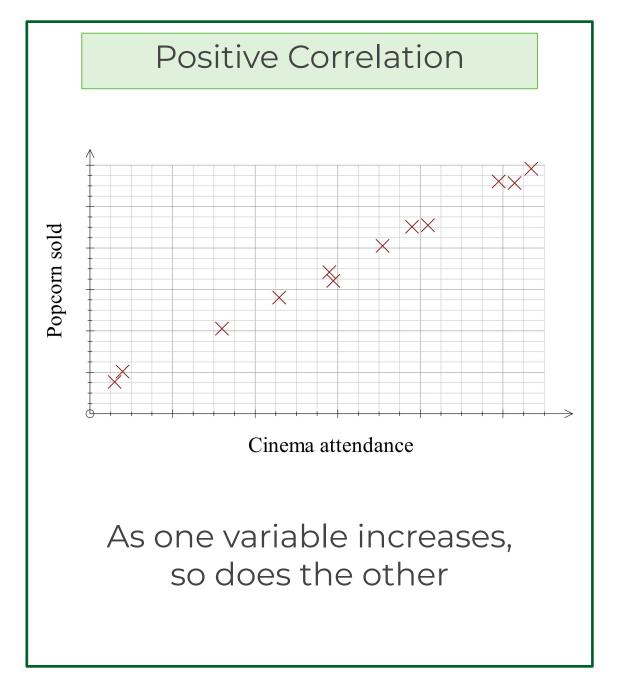


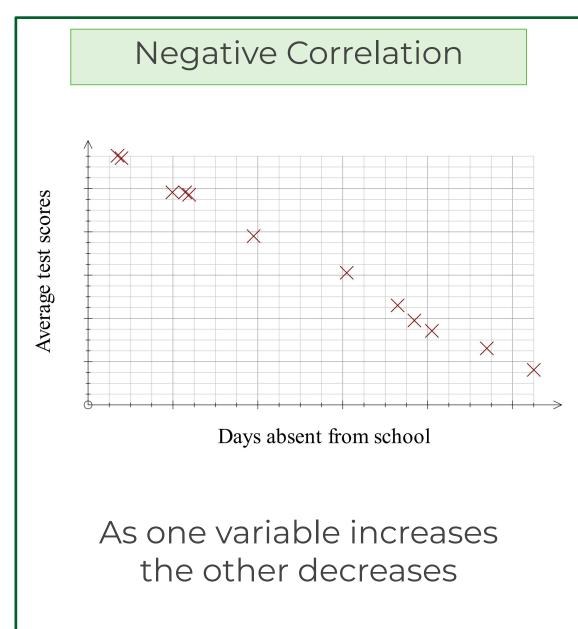
As the \_\_\_\_\_ increases/decreases, the \_\_\_\_ increases/decreases.

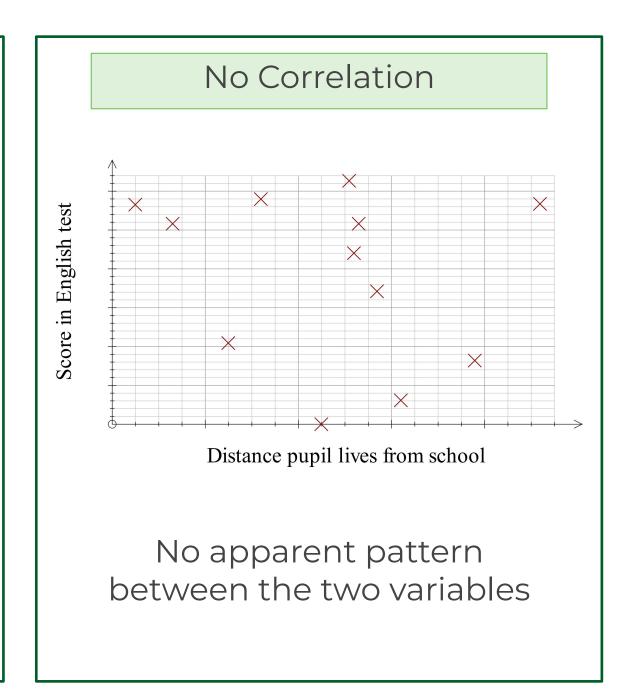


#### Connect

#### No questions here, but useful for next questions



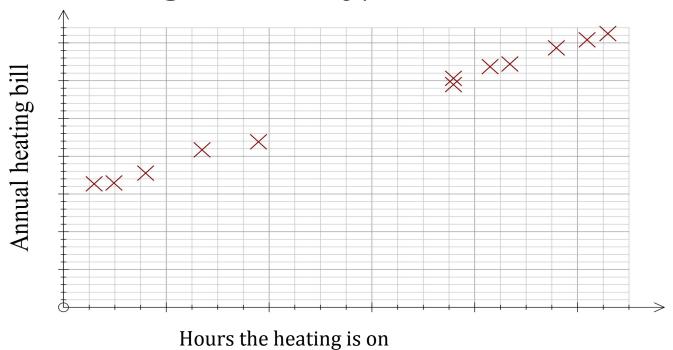


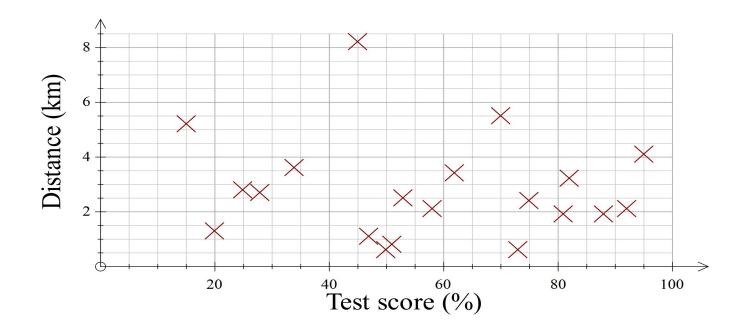




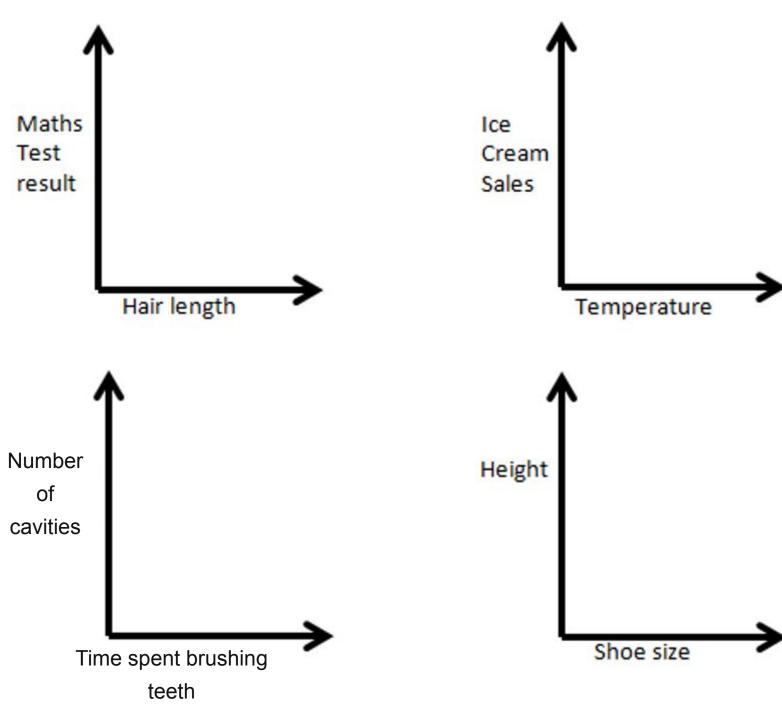
### Independent task

1. Write a sentence explaining what each graph is showing, and the type of correlation





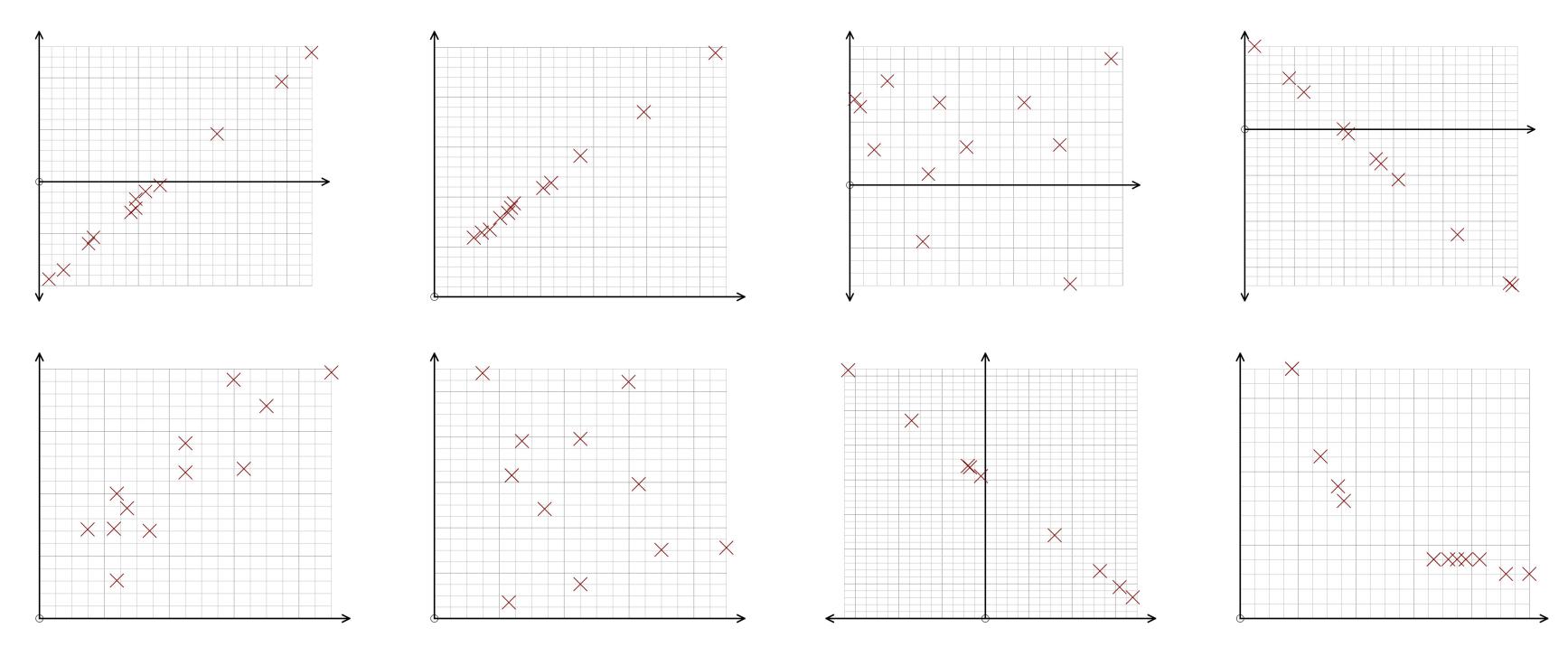
2. On each set of axes plot 8-10 points based on the correlation you would expect to find.





## **Explore**

Sort these graphs into groups based on the correlation shown. Place them in order by strength of correlation. Think of variables that might match each graph.





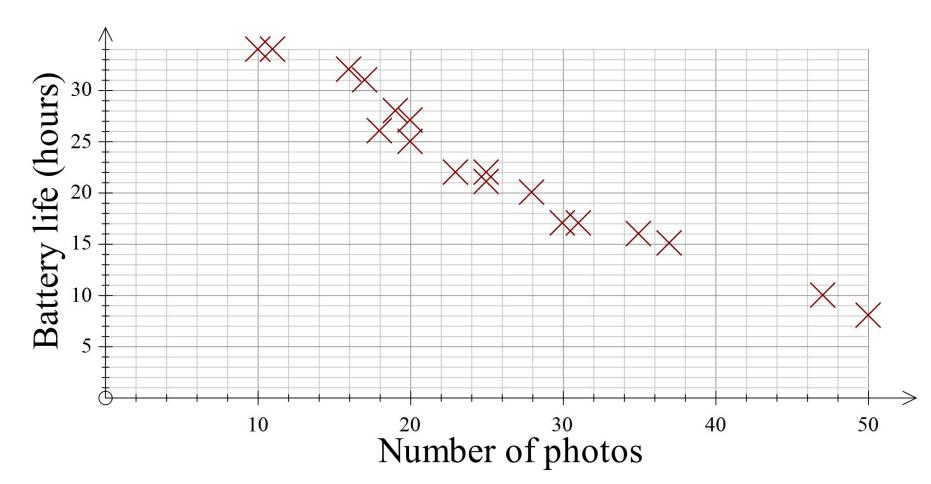
#### Answers



## Try this

How could you describe the connection between the variables shown on the scatter graph?

How many way can you complete the sentence frame?

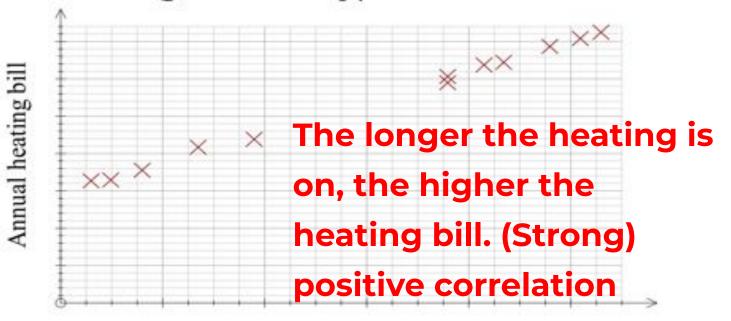


As the number of photos increases, the battery life decreases.



## Independent task

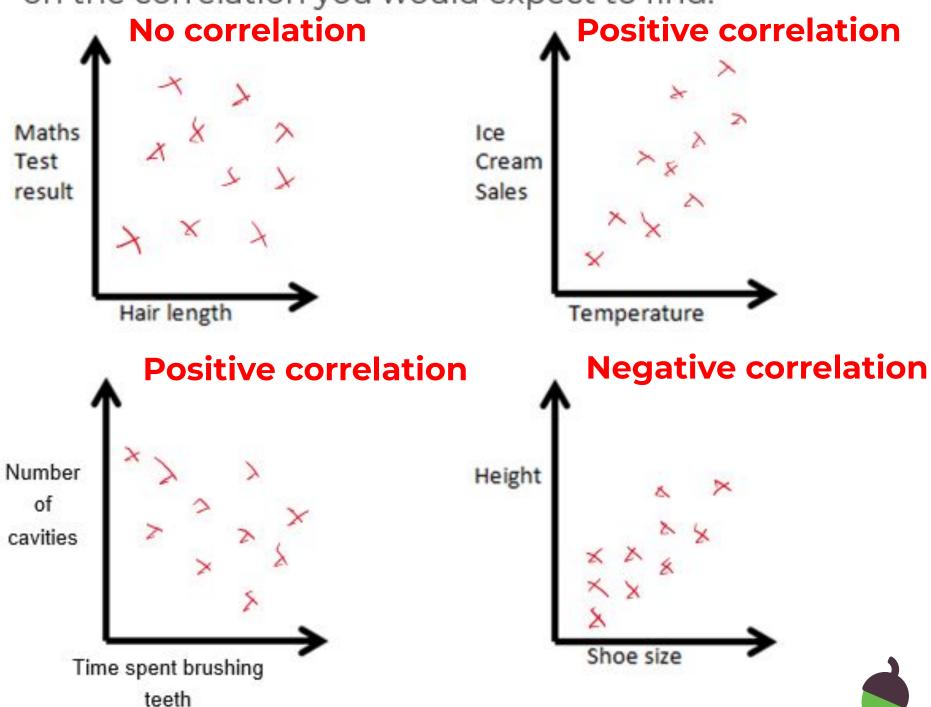
 Write a sentence explaining what each graph is showing, and the type of correlation



No correlation between test score and distance

Hours the heating is on

2. On each set of axes plot 8-10 points based on the correlation you would expect to find.



#### **Explore**

Sort these graphs into groups based on the correlation shown. Place them in order by strength of correlation. Think of variables that might match each graph.

