

## Tuesday 9<sup>th</sup> June

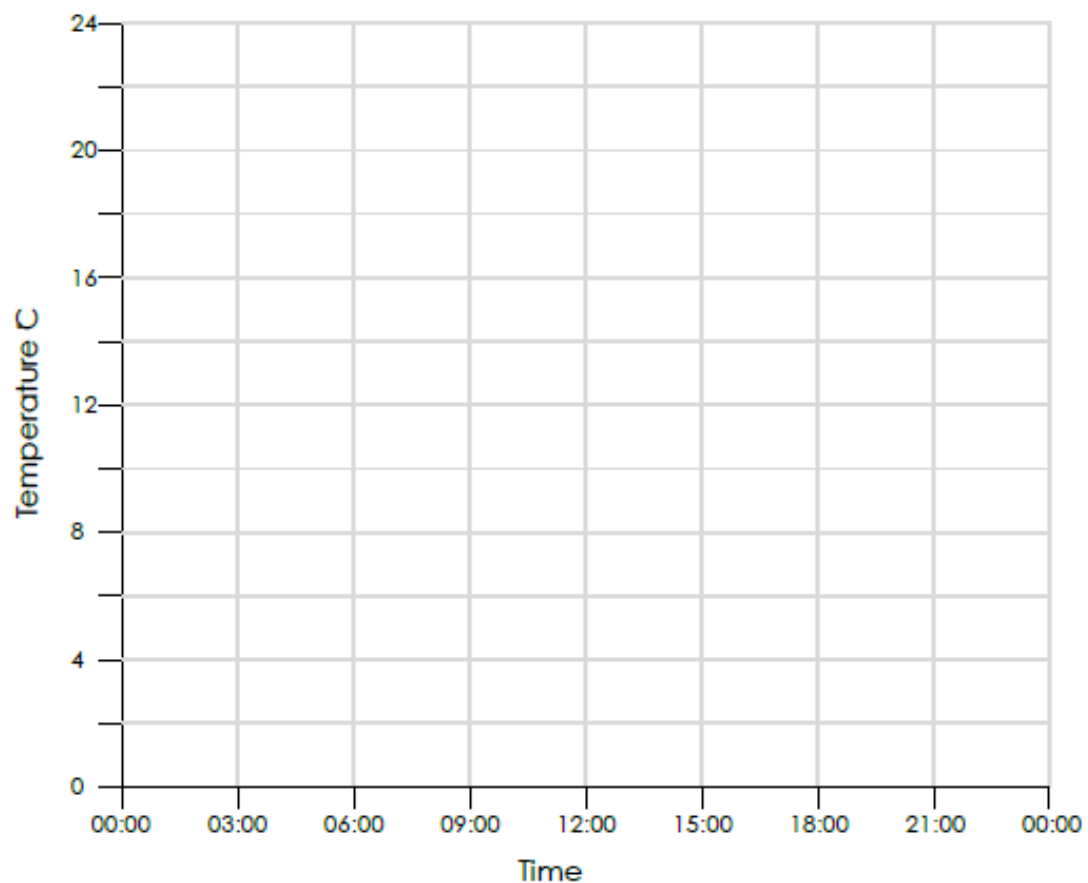
### L.K: To construct a time graph

Today we are going to construct our own time graph. This means that we will take data, place it onto a graph and then answer a couple of questions to check that you fully understand the process of completing your own time graph.

Before we start, have a go at the following questions!

- 1)  $47 \times 6 =$
- 2)  $19 \times 7 =$
- 3)  $145 \times 9 =$
- 4)  $561 \times 6 =$
- 5)  $72 \div 8 =$
- 6)  $648 \div 8 =$

Temperature in New York (Sunday)



Time	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
Temperature (°C)	8	7	8	10	13	12	10	9	8

- 1) On which day was it warmer at midday?
- 2) What was the difference between the highest and lowest temperature on Saturday?
- 3) What was the difference between the highest and lowest temperature on Sunday?
- 4) At what time was it the same temperature on both days?
- 5) What was the lowest recorded temperature over the two days?
- 6) What was the difference between the temperature at 15:00 on Saturday and Sunday?
- 7) Was there a bigger change in temperature between 12:00 and 21:00 on Saturday or Sunday? Explain your choice.
- 8) "At every recorded time, it was always either the same temperature or warmer at the same time on Saturday as it was on Sunday." Is this statement true or false? Prove your answer.