Plot and interpret time-series graphs

Miss Parnham

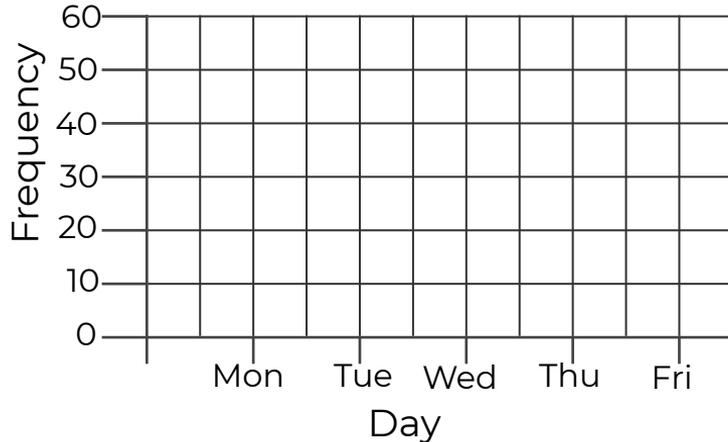Maths

Plot and interpret time-series graphs

1. Draw a time series graph of the books loaned out by a school library.
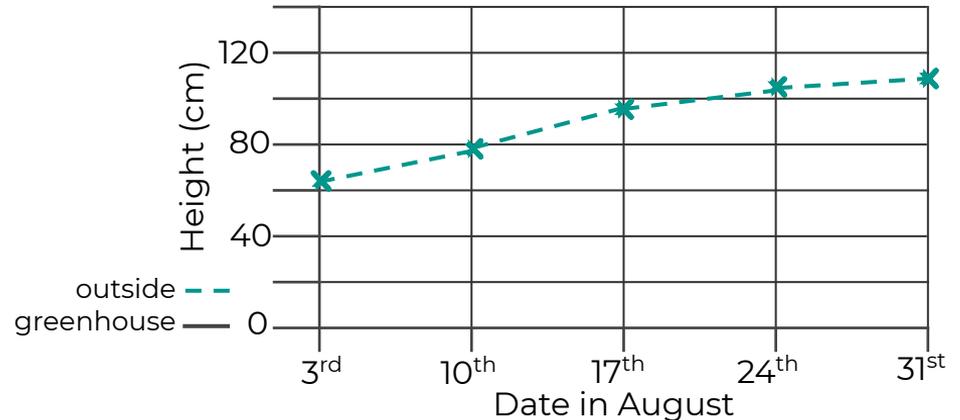
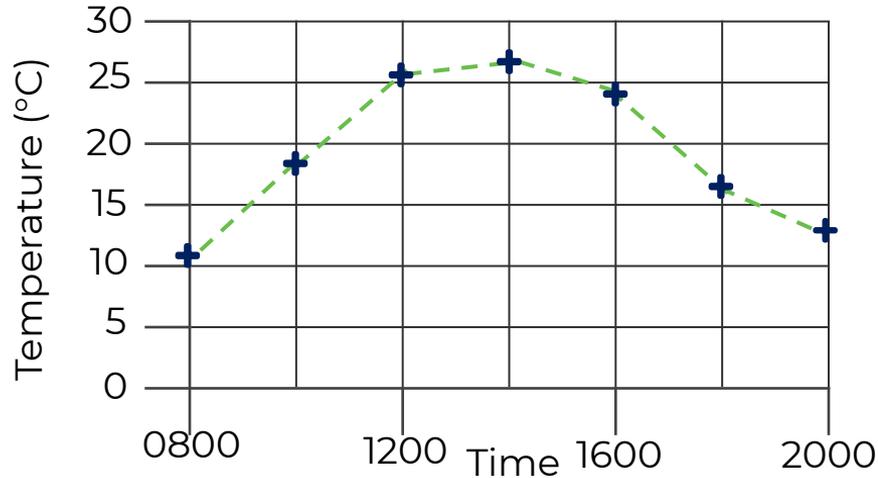| Day	Mon	Tue	Wed	Thu	Fri
Frequency	27	38	23	42	55

Books loaned from a school library

2. The graph shows the heights of a sunflower planted outside. Add the data from the table to the graph.

Date	3rd	10th	17th	24th	31st
Height of sunflower grown in greenhouse(cm)	25	38	51	83	119

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3. This graph shows the temperature over the course of a summer's day.
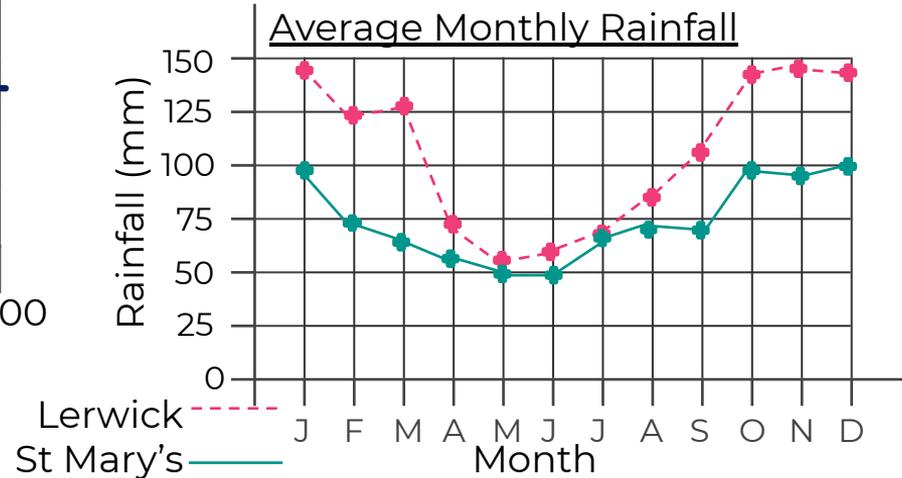

Eva says it was definitely 20°C at 1700.

Do you agree? Why?

4. The graph shows the rainfall in Lerwick and St Mary's.
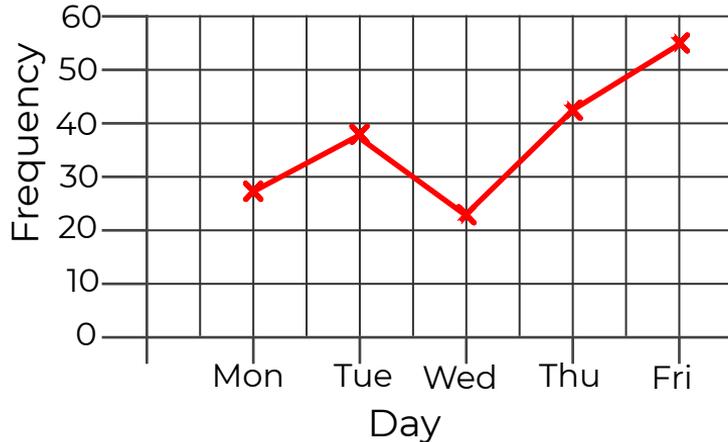Make two observations from the graph.

Answers

Plot and interpret time-series graphs

1. Draw a time series graph of the books loaned out by a school library.
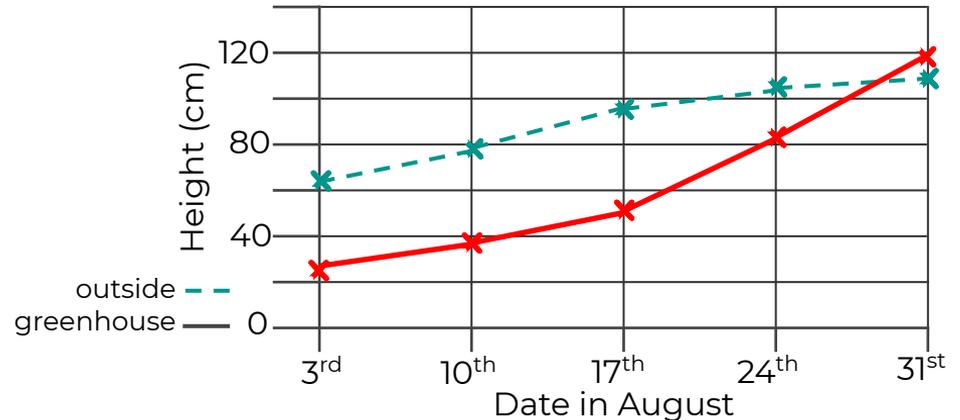
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Books loaned from a school library

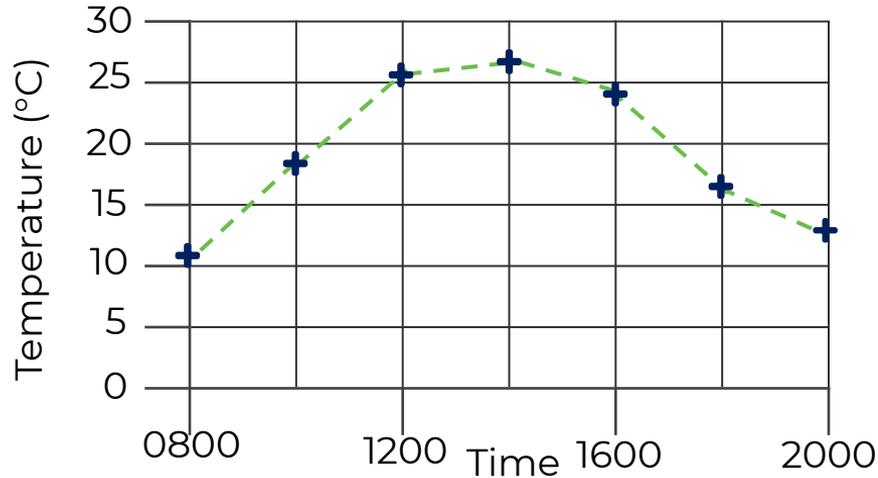2. The graph shows the heights of a sunflower planted outside. Add the data from the table to the graph.

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3. This graph shows the temperature over the course of a summer's day.

Temperature (°C) vs **Time**

Y-axis: Temperature (°C), values 0, 5, 10, 15, 20, 25, 30
X-axis: Time, values 0800, 1200, 1600, 2000
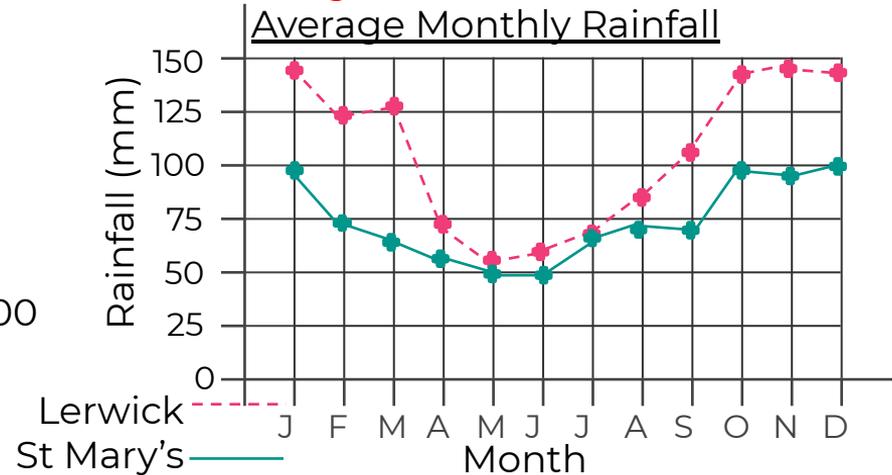
Eva says it was definitely 20°C at 1700.

Do you agree? Why?

No, readings should not be taken from between the plotted points, we join the points to show a trend

4. The graph shows the rainfall in Lerwick and St Mary's.

Make two observations from the graph.

Lerwick has greater rainfall during the winter

Average Monthly Rainfall

Y-axis: Rainfall (mm), values 0, 25, 50, 75, 100, 125, 150
X-axis: Month, values J F M A M J J A S O N D

Lerwick ------
St Mary's ——

Both places have very similar rainfall in the summer