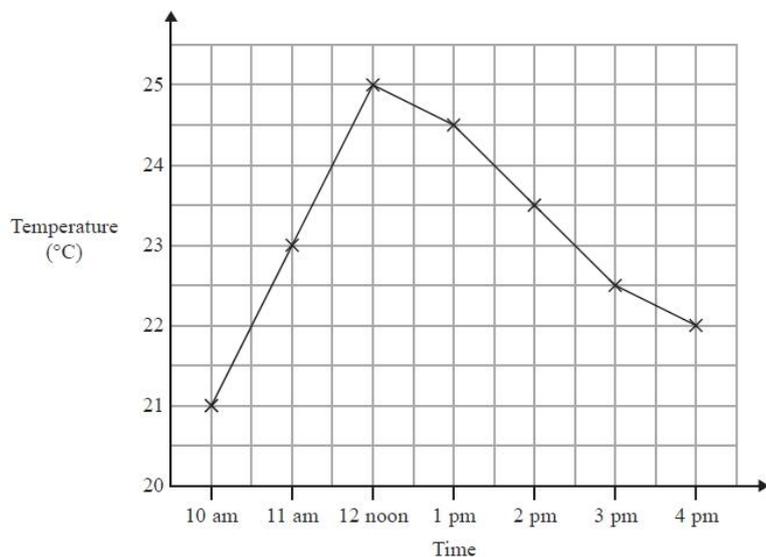




Assignment Title	Time Series	Date set	Autumn 1	Hours	6
Summary of Unit 5			Key Words		
Identify and calculate moving averages and trends in data			Trends, averages, moving averages, time series, predictions, seasonal variation, cyclic.		

Prior Knowledge

The graph shows information about temperatures in a greenhouse.



- (a) Write down the temperature at 11 am.
- (b) Write down the highest recorded temperature.
- (c) Describe the change in temperature from 12 noon to 4 pm.

The table below shows some information about the number of times each student in a class was late last week.

Lates	Frequency
0	15
1	8
2	3
3	3
4	1

Work out the mean number of lates per student.

LEARNING JOURNEY

Level	Task Description
3-4	Draw and interpret line graphs and time series Identify trends in data through inspection Draw trend lines and know they show the general trend of data
4-5	Calculate moving averages Draw and trend line through moving averages and identify trends
4-6	Interpret rising, falling and level trends on a time series graph Identify seasonal variation on a time series graph
5-6 (H)	Calculate the estimated mean seasonal variation
5-6 (H)	Know that the predicted value = trend line + seasonal variation