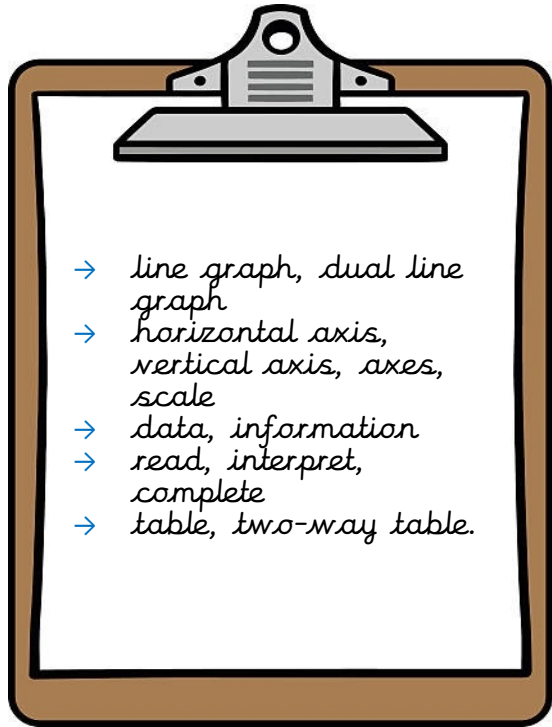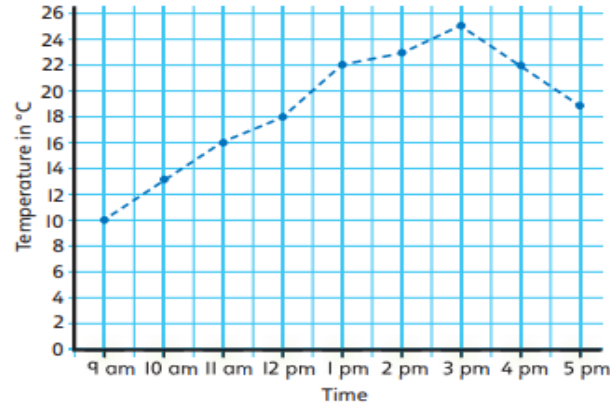POWER MATHS

Prior Knowledge (Y4 Unit 14)

- Interpret and present discrete and continuous data
- Use bar charts and time graphs (line graphs)
- Solve comparison, sum and difference problems

→ line graph, dual line graph
→ horizontal axis, vertical axis, axes, scale
→ data, information
→ read, interpret, complete
→ table, two-way table.

Structures and Representations

Graphs

Temperature in °C (vertical axis, 0 to 26)
Time (horizontal axis): 9 am, 10 am, 11 am, 12 pm, 1 pm, 2 pm, 3 pm, 4 pm, 5 pm

Two-way table

	Spots	Stripes
Socks	8	4
Hats	3	5

Number Lines

0 10 20 30 40 50 60 70 80 90 100

Complete, read and interpret information in tables

What is your favorite sport to watch on television?

	Football	Basketball	Baseball
Males	40	22	15
Females	12	16	45
Total	52	38	60

Total for males = 77
Total for females = 73

Total for football
Total for basketball
Total for baseball

In order to understand the data presented in a table, you must read the table's *title* and the *headings*.

Remember to always look at the heading that each piece of information falls under.

Maths Knowledge Organiser

Reading Timetables

Here is a bus timetable:

Three different buses

Bus stop locations			
Mill Road	0726		0842
High Street	0729	0803	
Pitsmoor Road	0759	0833	
Fulwood	0845	0919	0946

The bus starts at this time and location.

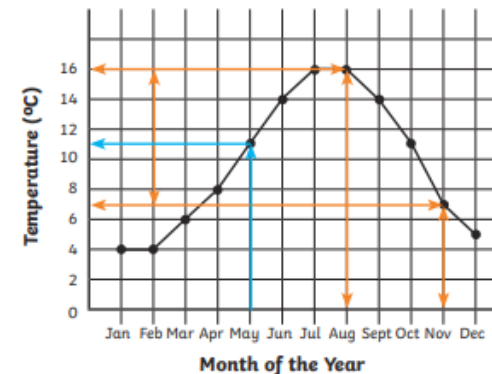The bus does not stop here.

The bus terminates at this time and location.

Read and Interpret Line Graphs

Here is a line graph showing the average temperature for each month.

The y-axis shows temperature in intervals of 2ºC on a scale of 0ºC to 16ºC.

The points show the average temperature for each month.
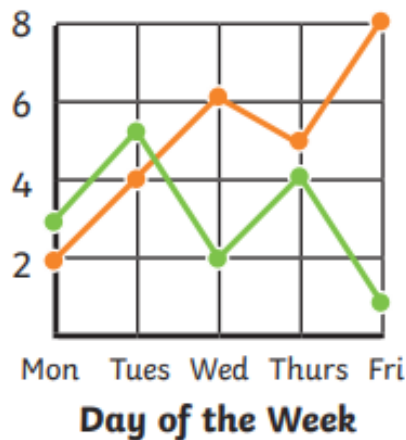

The x-axis shows the months of the year.

Drawing Line Graphs

Here is a table showing the number of different types of fruit sold each day.

	Bananas	Apples
Mon	2	3
Tues	4	5
Wed	6	2
Thurs	5	4
Fri	8	1

This graph can be used to represent the data from the table.

Mark each point for the number of bananas sold each day and join each point with a line.

Mark each point for the number of apples sold each day and join each point with a line.