

What should I already know?

How to interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs.

Solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs.

Key Vocabulary and definitions

discrete data	information that is counted in whole numbers
continuous data	information that is measured that can be any value.
timetable	a plan of the times when particular events are to take place.
Two-way table	Tables that show more than one piece of information about each variable.
scale	An increasing range of values used to measure something.
intervals	A space in between two things.
interpret	To understand.
Line graph	A graph to show how data changes over time
table	A system used to organise data

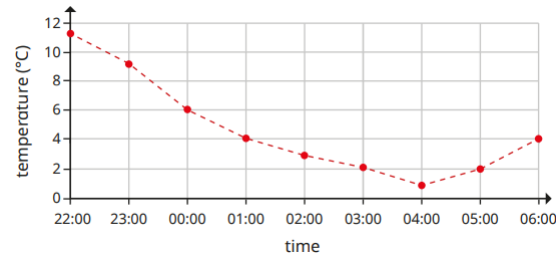
Key Knowledge

Draw, read and interpret line graphs

- The table shows the average temperature for each month in Halifax.

Month	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Temperature (°C)	4	4	5	8	10	15	17	16	13	11	6	5

Draw this information as a line graph.



Read and interpret tables, including two-way tables

The table shows the six largest football stadiums in Europe.

Stadium	City	Country	Capacity
Camp Nou	Barcelona	Spain	99,365
Wembley	London	UK	90,000
Signal Iduna Park	Dortmund	Germany	81,359
Estadio Santiago Bernabeu	Madrid	Spain	81,044
Luzhniki Stadium	Moscow	Russia	81,006
San Siro	Milan	Italy	80,018

Are the statements true or false?

The fourth largest stadium is San Siro.

There is one stadium with a capacity greater than 90,000

Three of the largest stadiums are in Spain.

The table shows information about type of pet and the pet's gender.

	Male	Female	Total
Dogs		44	
Cats	38		
Total	125		245

Fill in the missing numbers in the table.

- ▶ How many more male dogs are there than female dogs?
- ▶ How many more female cats are there than male cats?

Read and interpret timetables

Here is a bus timetable.

Bus terminal	09:32	10:02	10:22	10:32
Shopping centre	09:41	10:11	10:31	10:41
Football stadium	09:59	10:29	10:49	10:59
University campus	10:13	10:43	11:03	11:13
Library	10:16	10:46	11:06	11:16
Cinema	10:21	10:51	11:11	11:21
Museum	10:28	10:58	11:18	11:28

Sam lives a 15-minute walk from the bus terminal.

She wants to visit Whitney, who lives a 10-minute walk from the cinema.

She says she will meet Whitney at Whitney's house at 11:15

What time does Sam need to leave her house?