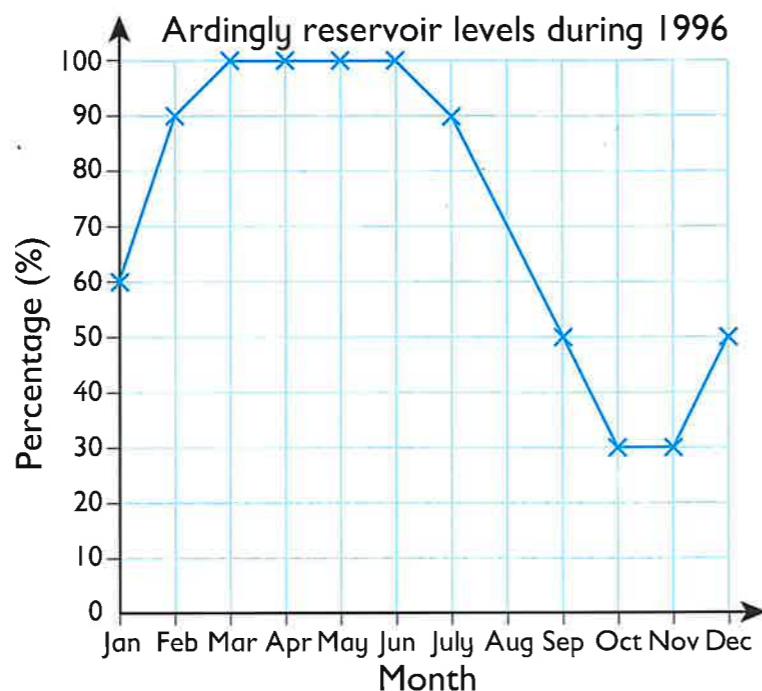


Weather watch

- Find the median, mean and range
- Represent data in different ways and understand its meaning

The graph shows how full Ardingly Reservoir was during 1996. Each point shows the level at the beginning of the month.



- 1 During which months was the reservoir full?
- 2 During which month was the reservoir at the lowest level?
- 3 Estimate the level at the beginning of August.
- 4 When was the reservoir half full?
- 5 When was the reservoir 80% full?

The table shows the outdoor temperatures at Pennington County Infant School on 6th July 2006.

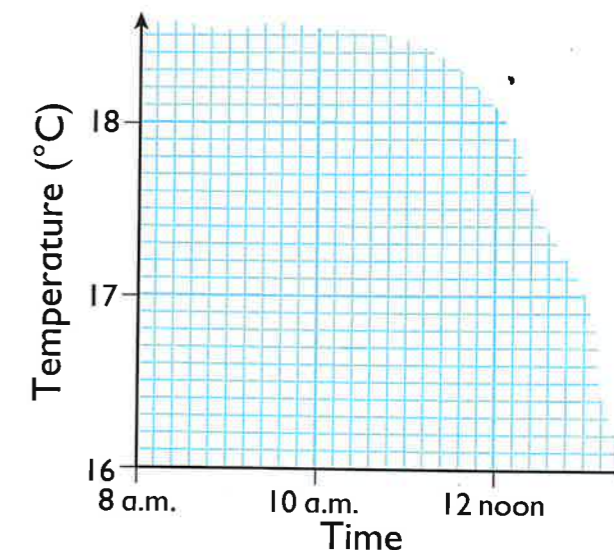
Pennington County Infant School (outdoor temperatures for 6th July 2006)	
Time	Temp (°C)
8 a.m.	16.7
10 a.m.	16.8
12 noon	19.5
2 p.m.	
4 p.m.	19.6
6 p.m.	16.2
8 p.m.	16.6
10 p.m.	16.9

You need:
● graph paper ● ruler



- 1 Copy and complete the line graph.

- 2 Estimate the temperature at:
 - a 2 p.m.
 - b 11 a.m.
 - c 5 p.m.



- 3 Estimate when the temperature was 17.5 °C.
- 4 Use temperatures in the table and your estimate for 2 p.m. to calculate the mean temperature from 8 a.m. to 10 p.m.



The graph shows the water temperatures of the Tioga River, Pennsylvania, USA for a week in 2004.

- 1 a Find the maximum temperature for each day.
b Calculate the average maximum temperature for the week.
- 2 Find the average minimum temperature for the week.
- 3 a Calculate the change in temperature for each day.
b Calculate the average daily change in temperature.

