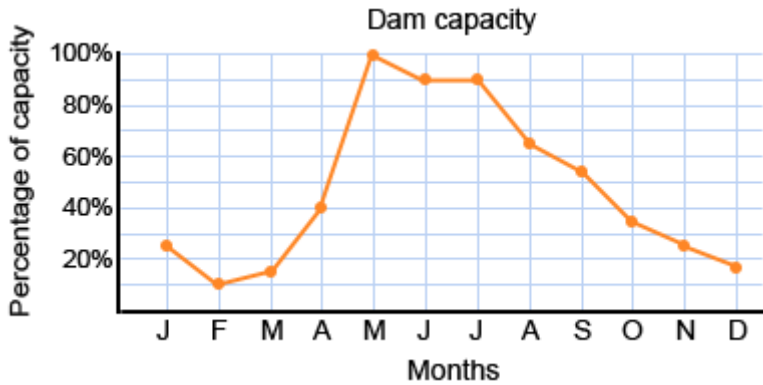


READING TIME SERIES GRAPHS

TASK 1

Water in a dam



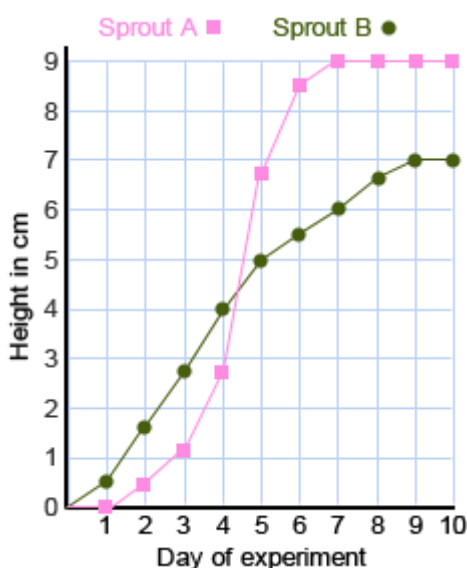
Measurements were taken monthly to determine the amount of water in a dam.

This was recorded as a percentage of the total capacity of the dam.

- Estimate the percentage capacity of the dam in August. _____
- Was the dam ever full? _____
 - Was it ever empty? _____
- When was the dam at its lowest capacity? _____
- Write a brief description of what might have occurred during the year to produce these results.

TASK 2

Two sprouts



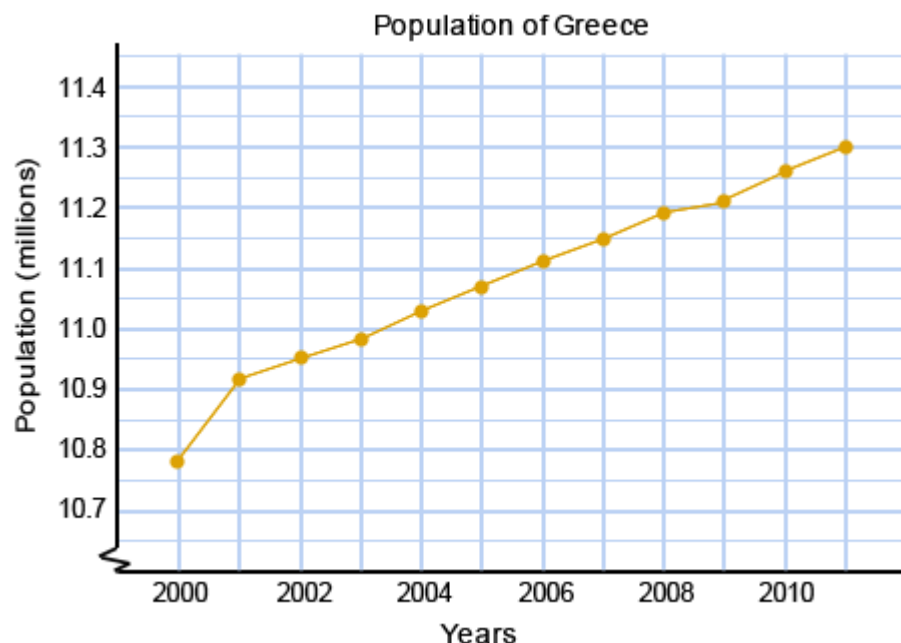
The graph shows the average height at 9 am of two different varieties of sprout seedlings both planted on day 0.

- Which type began to grow first?
- What was the difference in their heights at 9 am, day 4?
- When were the two samples the same height?
- If both sprouts are edible and taste the same, which one would you choose to grow commercially and why?

TASK 3

The population of Greece

The graph shows the population of Greece from 2000 to 2011 as of January in each year.



- 1 Why is the lower section of the vertical axis shown with a jagged line?

- 2 What does the number 10.7 on the vertical axis represent?

- 3 Estimate the population in:

a 2011	b 2002	c 2004
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- 4 By how much did the population increase from 2002 to 2006?

- 5 Using the graph to estimate information *between* plotted points is called *interpolation*. Interpolate to estimate the population in **June** 2000.

- 6 Estimating a future value, *beyond* the range of the graph, is called *extrapolation*. Extrapolate to estimate the population in January 2012. Check your estimate using information on the internet.