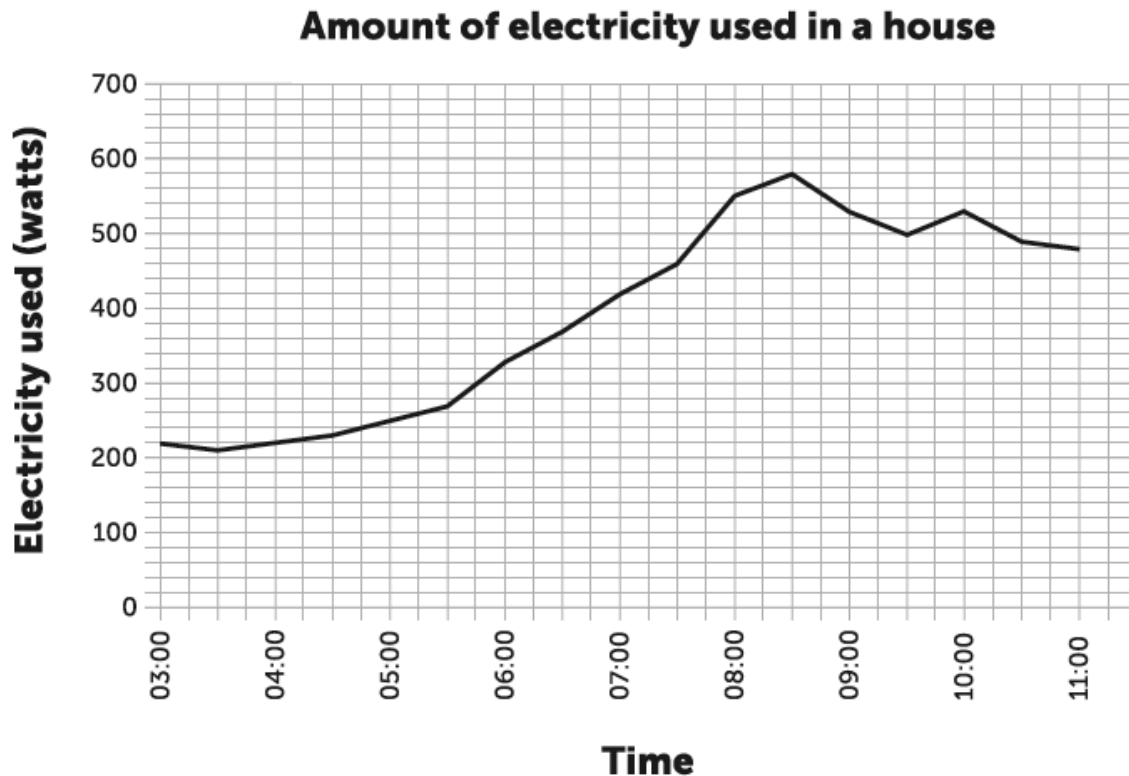


Wednesday, 3rd March 2021
Maths Home Learning

LO: to solve problems using information in line graphs

Today, we will be practicing what we have learned so far.

Look at the graph below.



This graph shows the average amount of electricity used in a house over 8 hours – from 3 o'clock until 11 o'clock in the morning. The times between the hours shown on the x-axis are unlabelled but they mark every 15 minutes. So, halfway between 04:00 and 05:00 is 4:30; the first mark after 04:00 would be 4:15 and the third mark after 04:00 is 4:45 and so on....

The electricity is measured in watts and is shown on the y-axis. This time there are 5 marks between each labelled mark. As the labels represent 100 watts, each unlabelled mark is 20. You can check by counting up the lines in 20s.

Now look carefully at the graph to answer the questions:

- How many watts of electricity are used at 7am?
- At what time is the least amount of electricity used?
- How many watts of electricity are used at 09:30?
- At what time was 400 watts of electricity used
- What is the difference between the amount of electricity at 11am and 3am?
- What is the greatest amount of electricity used and when did this occur? Why then?