CLASSROOM Secrets

#LIFEworkbalance

We have started a #LIFEworkbalance campaign and we need your help to complete our LIFE/work balance survey.

We hope to publish the results soon, so please give 15 minutes of your time to help us get a true picture of school life.

Want to be a part of this campaign? Take the survey on our website and share it with your colleagues!

Year 5 – Autumn Block 3 – Statistics – Read and Interpret Line Graphs

About This Resource:

This PowerPoint has been designed to support your teaching of this small step. It includes a starter activity and an example of each question from the Varied Fluency and Reasoning and Problem Solving resources also provided in this pack. You can choose to work through all examples provided or a selection of them depending on the needs of your class.

National Curriculum Objectives:

Mathematics Year 5: (5S2) Solve comparison, sum and difference problems using information presented in a line graph

More Year 5 Statistics resources.

Did you like this resource? Don't forget to review it on our website.

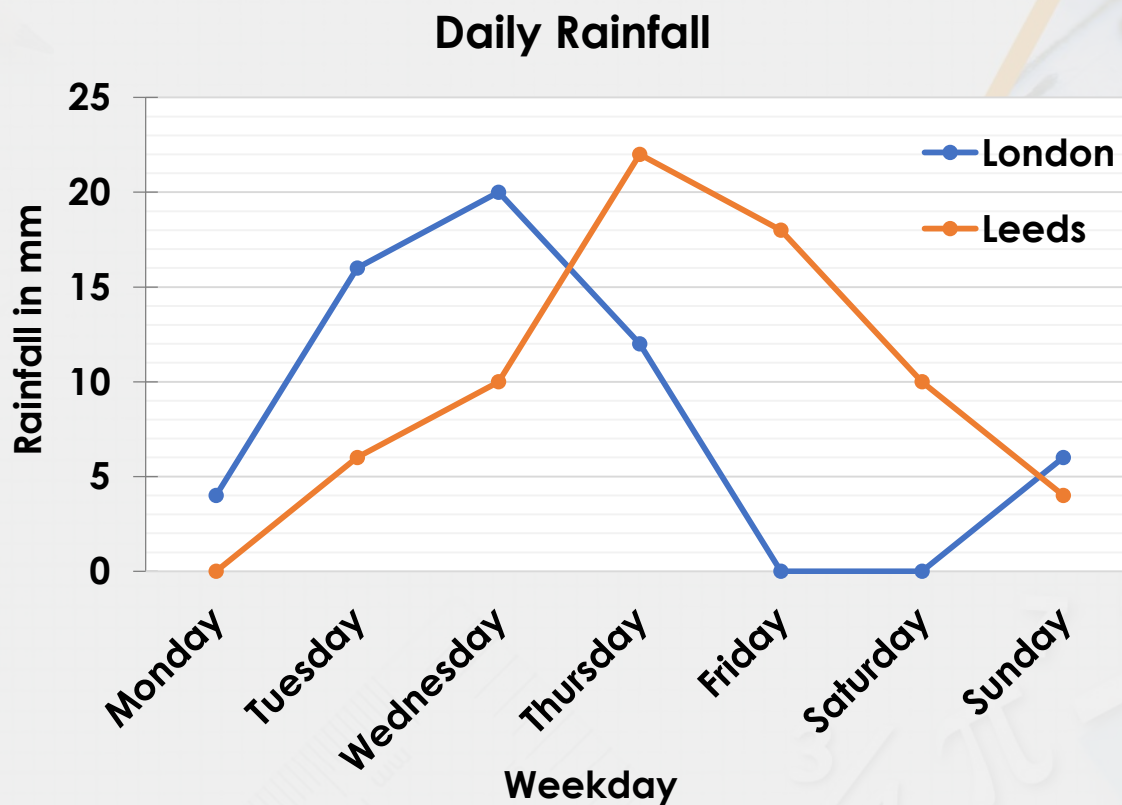# Step 1: Read and Interpret Line Graphs

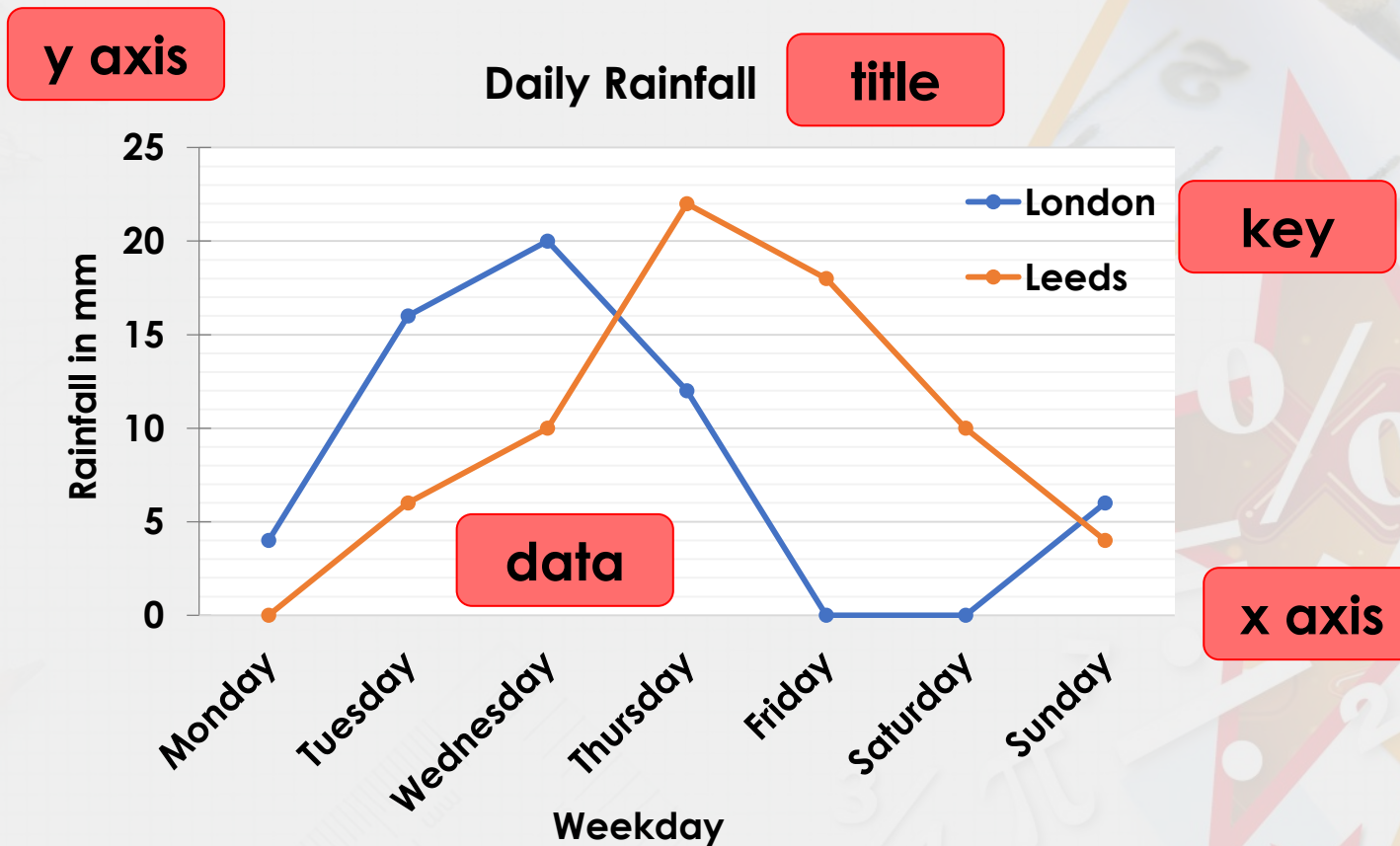# Add the labels to the line graph.

| title | key | x axis | y axis | data |

Daily Rainfall
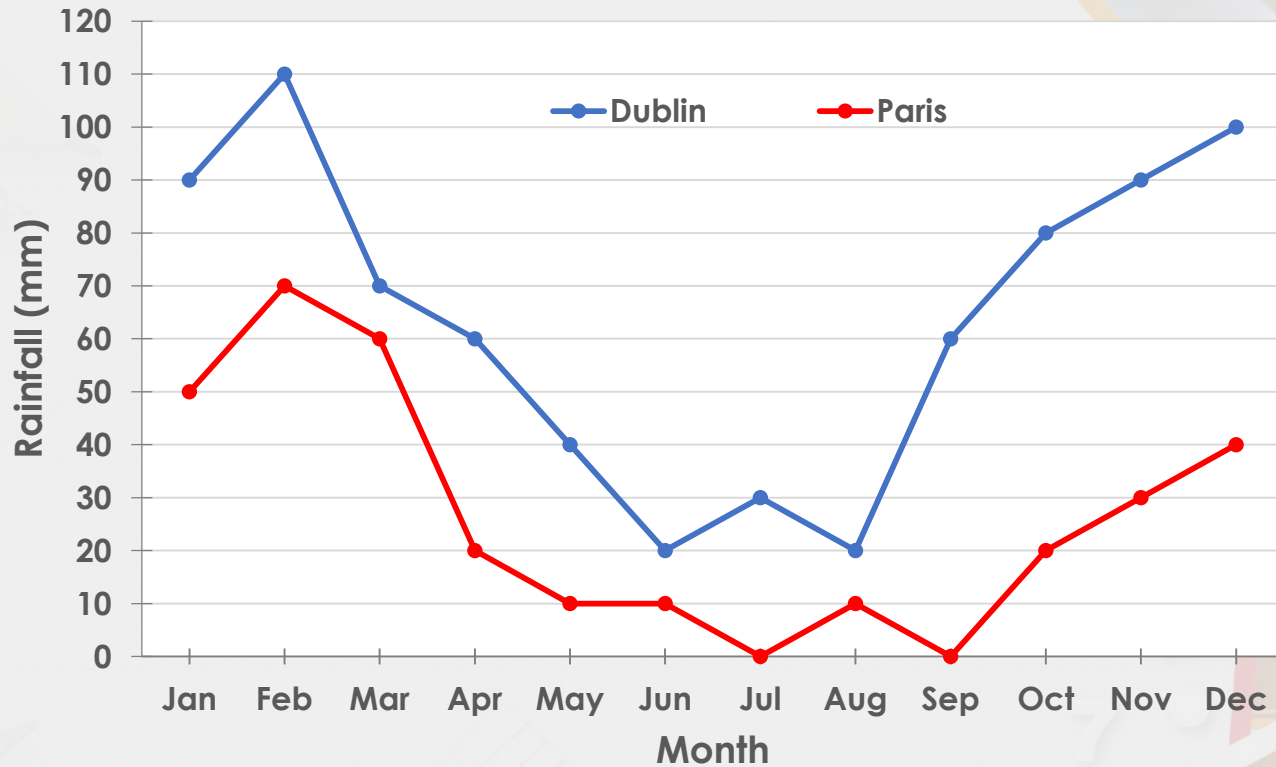
Add the labels to the line graph.

y axis

Daily Rainfall

title

key

25

20

London

15

Leeds

10

Rainfall in mm

data

5

0

x axis

Monday   Tuesday   Wednesday   Thursday   Friday   Saturday   Sunday

Weekday

What was the difference in rainfall in October?

Monthly Rainfall in Dublin and Paris

What was the difference in rainfall in October?
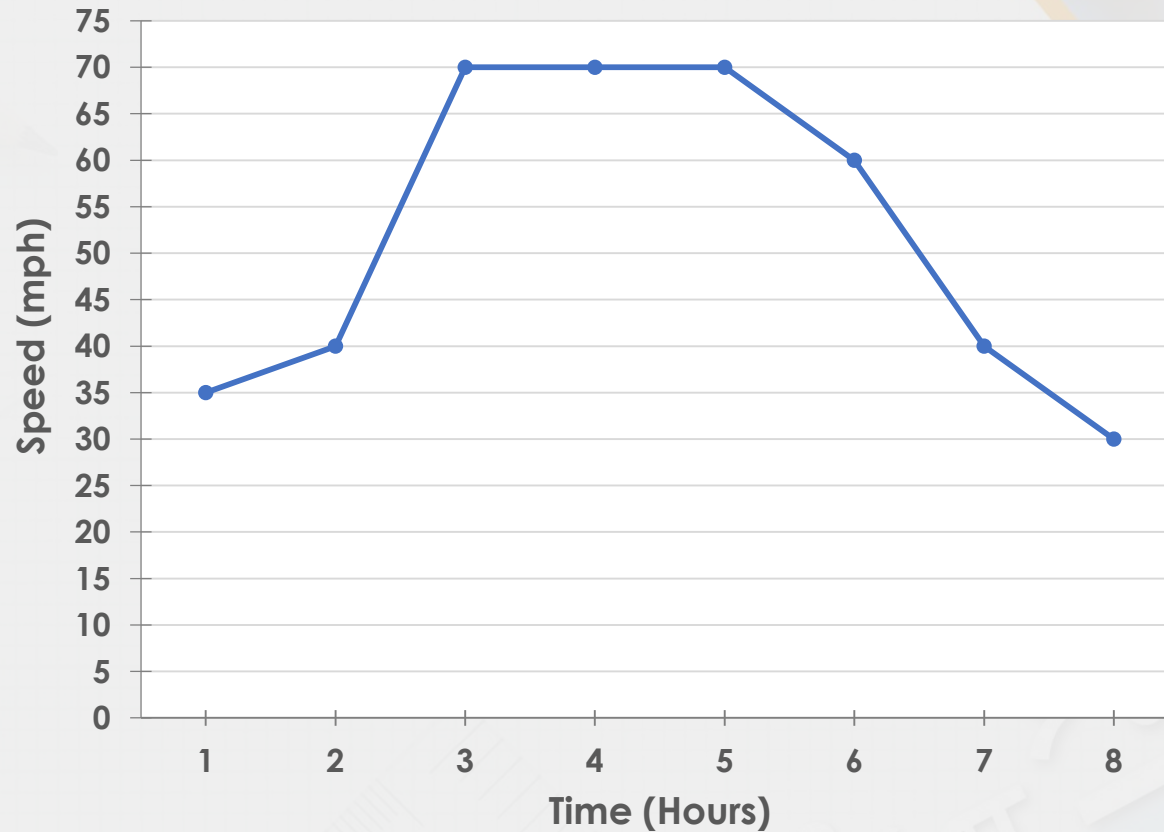
Monthly Rainfall in Dublin and Paris
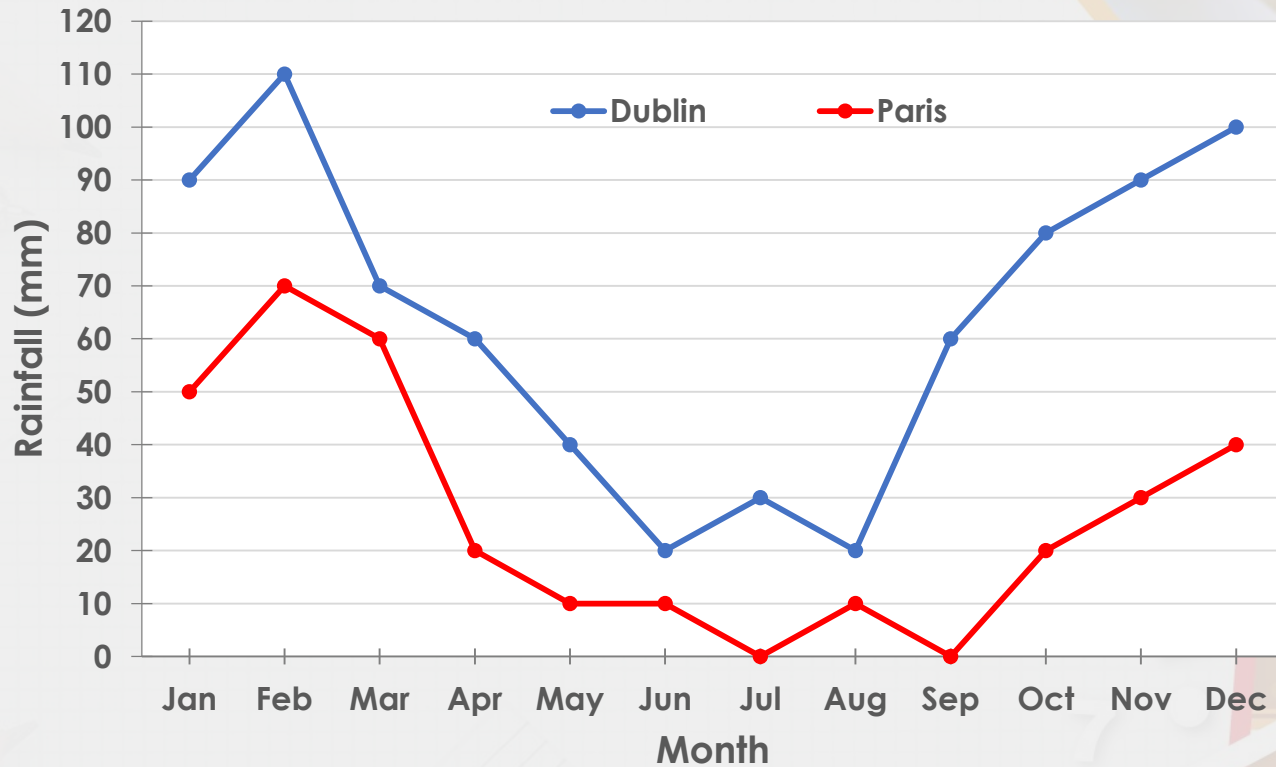
60mm
(80 – 20 = 60)

In which hours did the car travel faster than 50mph?
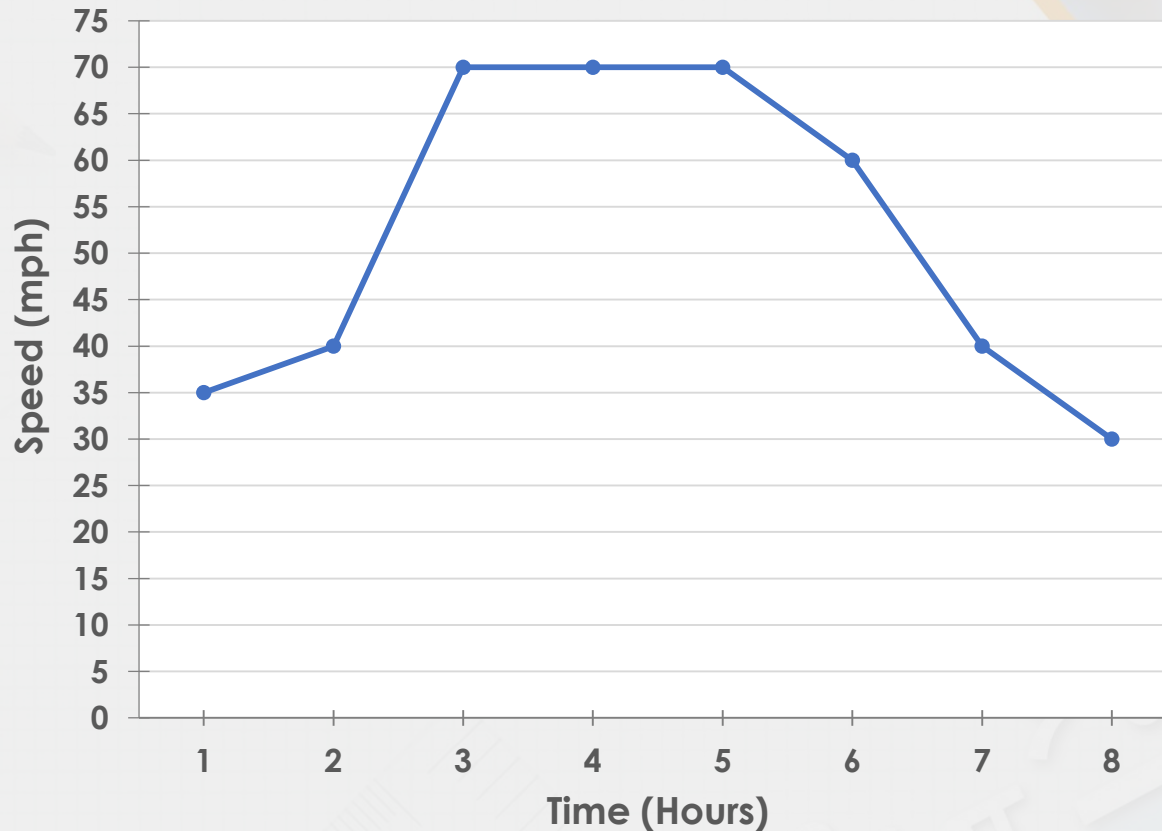
Speed of a Car During a Journey

In which hours did the car travel faster than 50mph?

Speed of a Car During a Journey

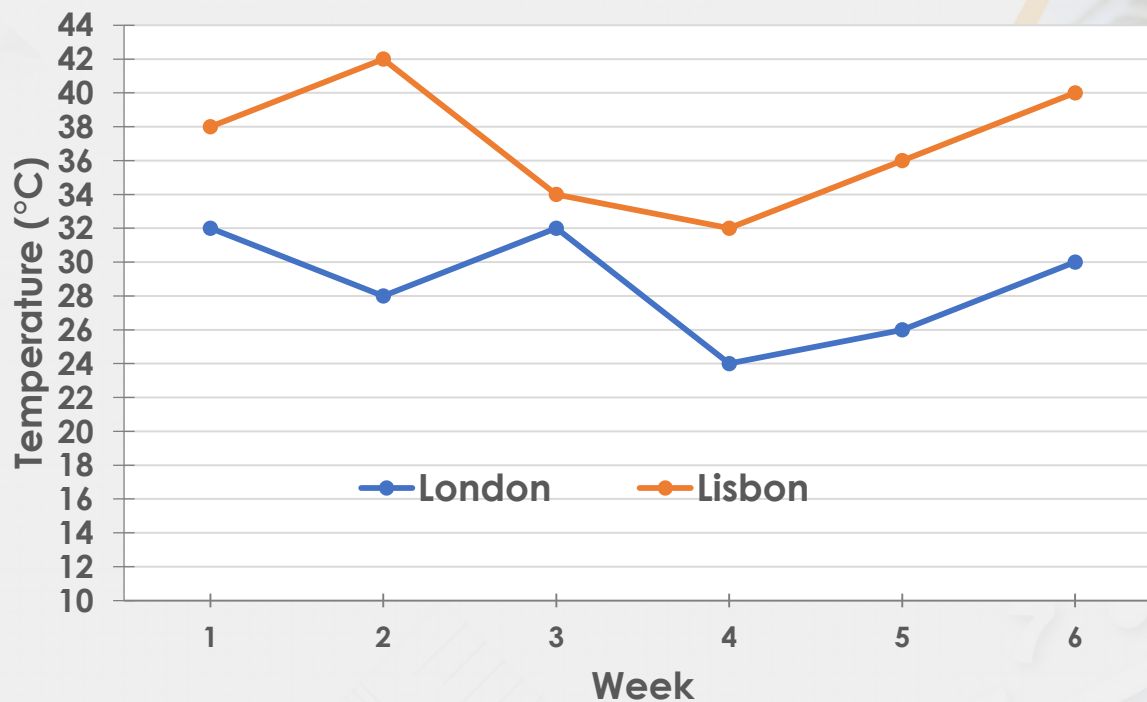**Hours 3, 4, 5 and 6**

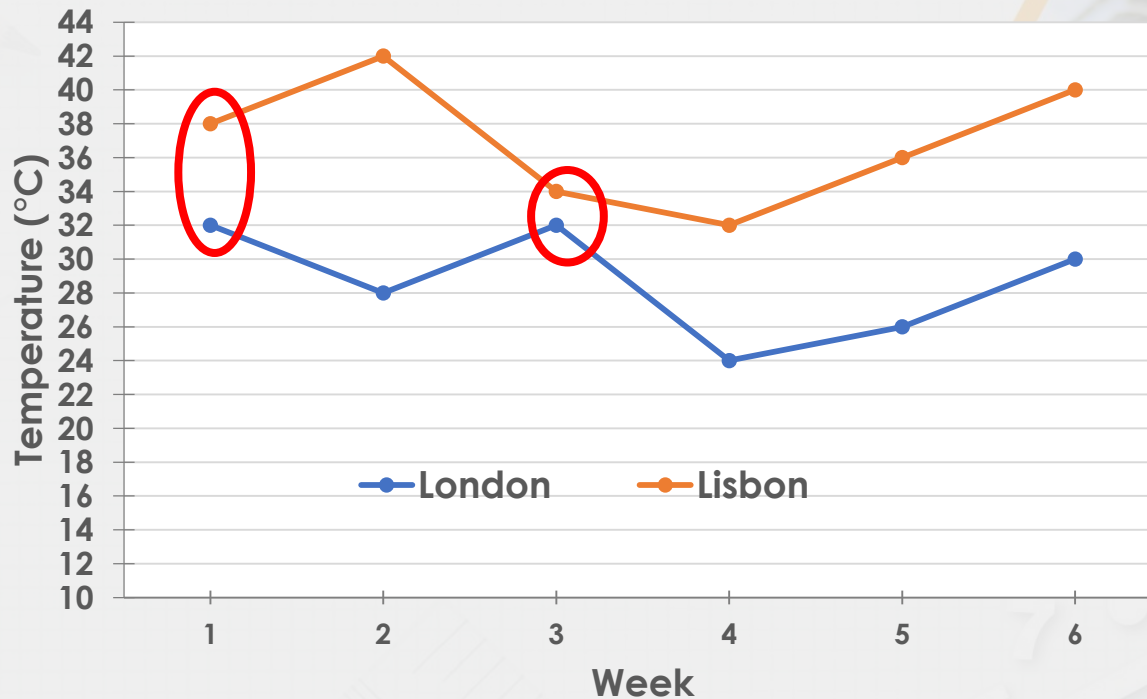# How many times was the temperature above 30°C in both London and Lisbon?

Average Temperature in London and Lisbon During the Summer

How many times was the temperature above 30°C in both London and Lisbon?

Average Temperature in London and Lisbon During the Summer

2 times
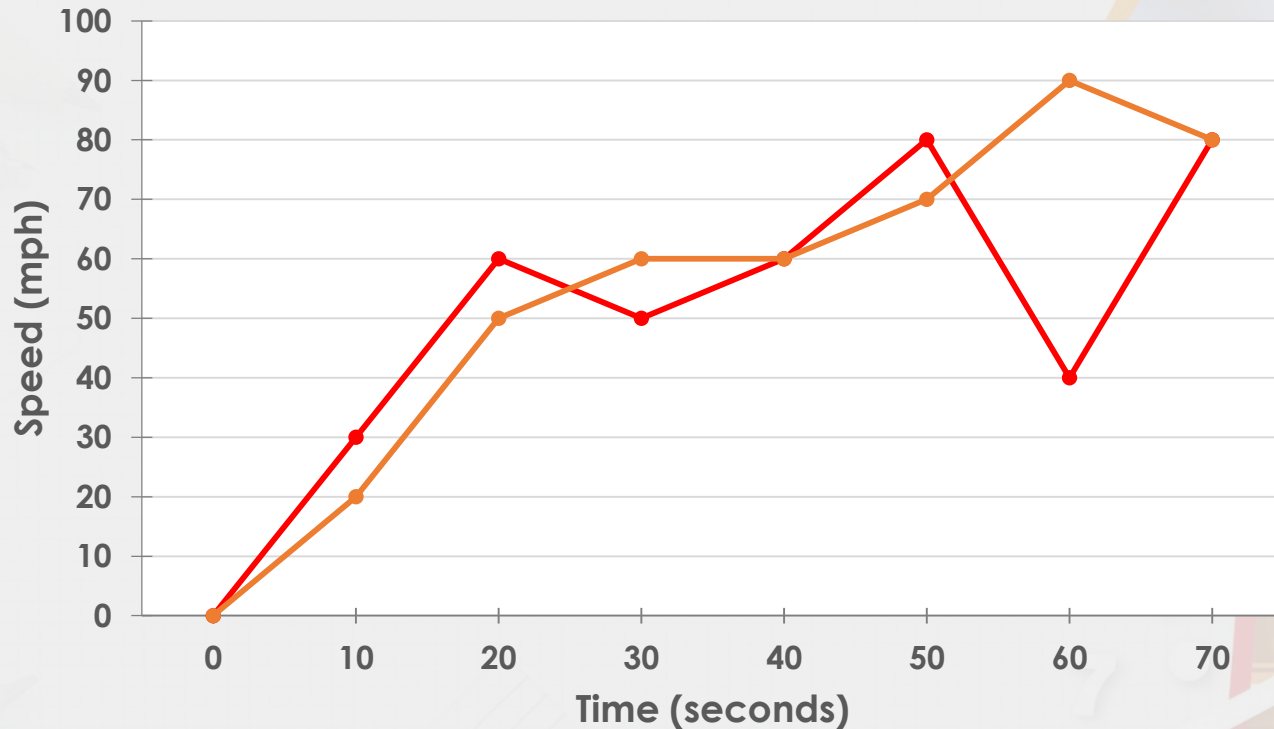
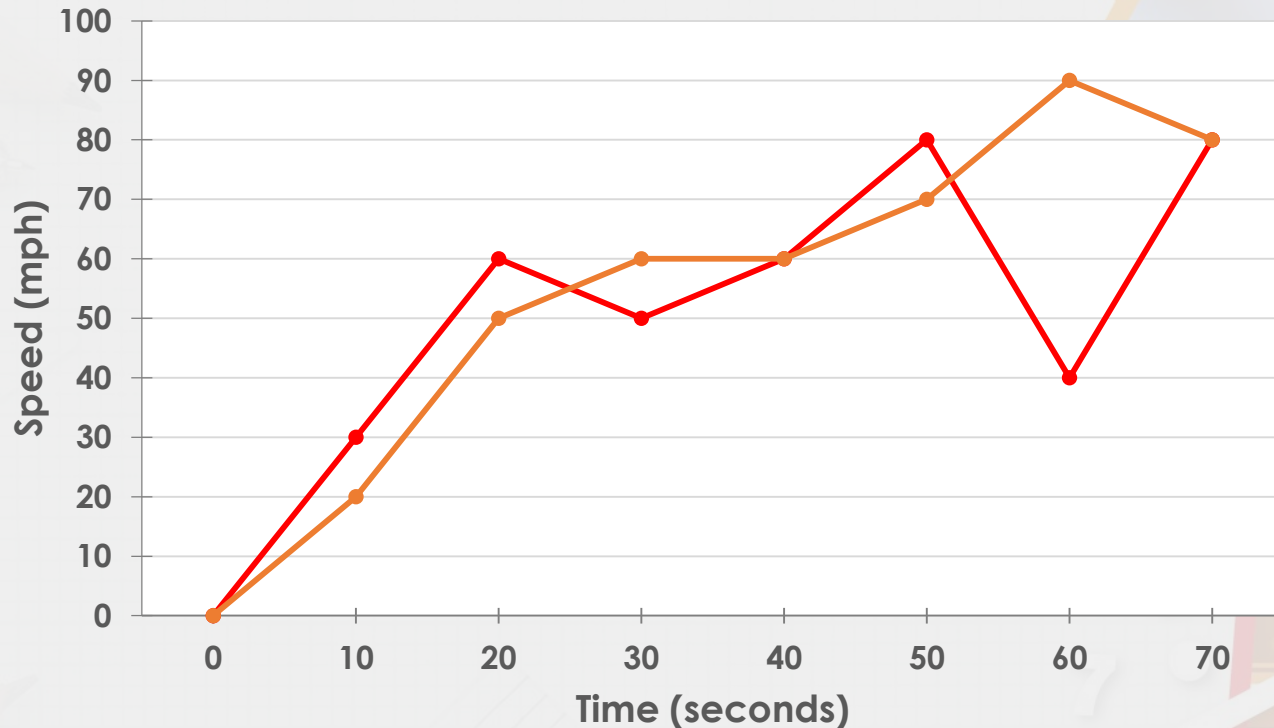# Jenna reached a higher top speed than Max in a car race. Which line represents Jenna's performance?

Speed of Cars During a Race

**Jenna reached a higher top speed than Max in a car race.
Which line represents Jenna's performance?**

Speed of Cars During a Race

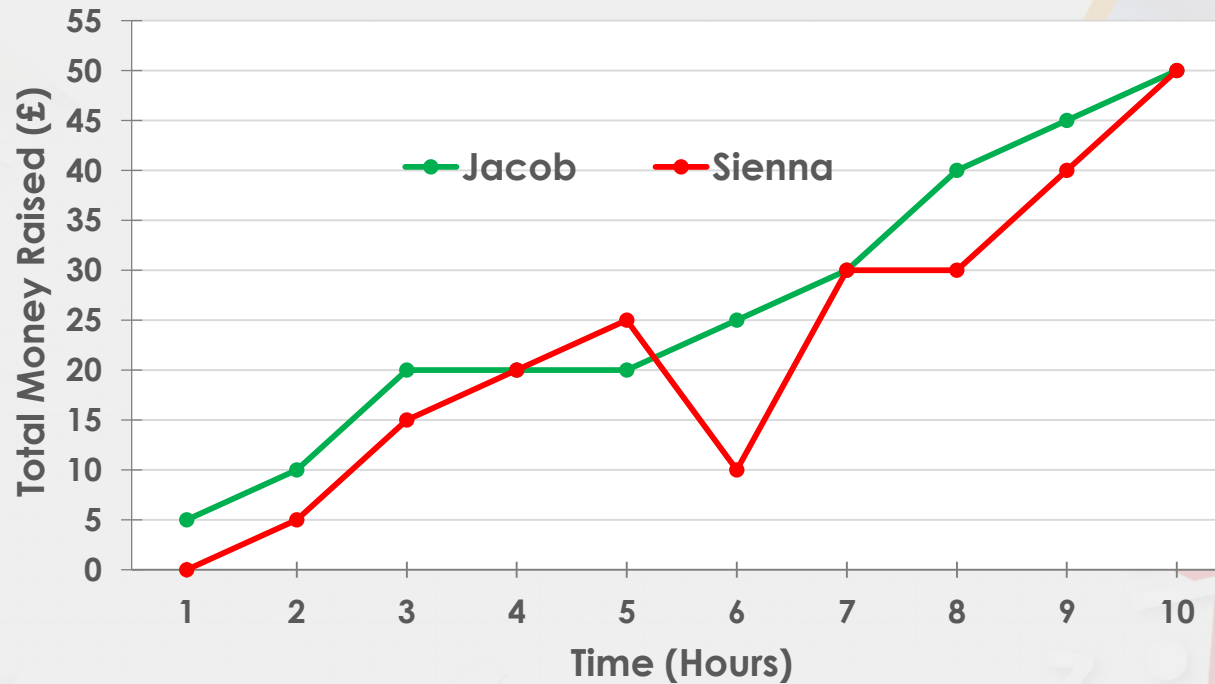**The orange line represents Jenna's performance.**

Benji made a mistake when he plotted his line graph. Where do you think the mistake was made? Convince me.

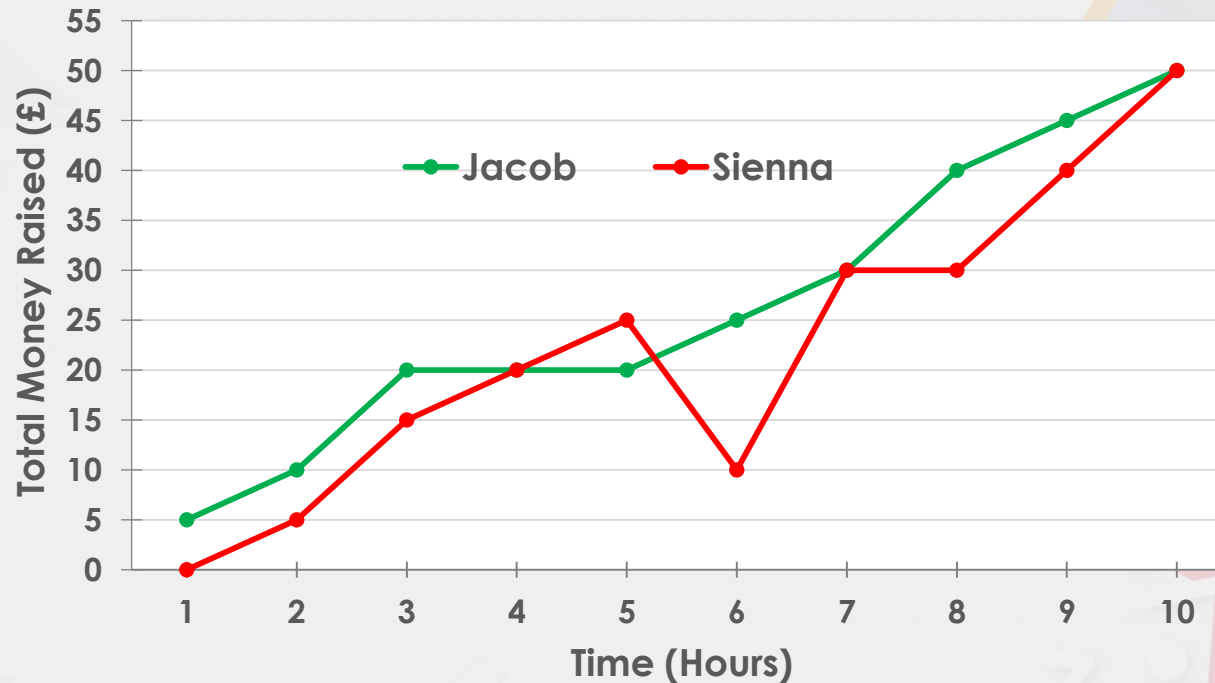
Money Raised Selling Cupcakes at the Fayre

Benji made a mistake when he plotted his line graph. Where do you think the mistake was made? Convince me.

Money Raised Selling Cupcakes at the Fayre

Benji has plotted Sienna's total money raised after 6 hours incorrectly because…

Benji made a mistake when he plotted his line graph. Where do you think the mistake was made? Convince me.
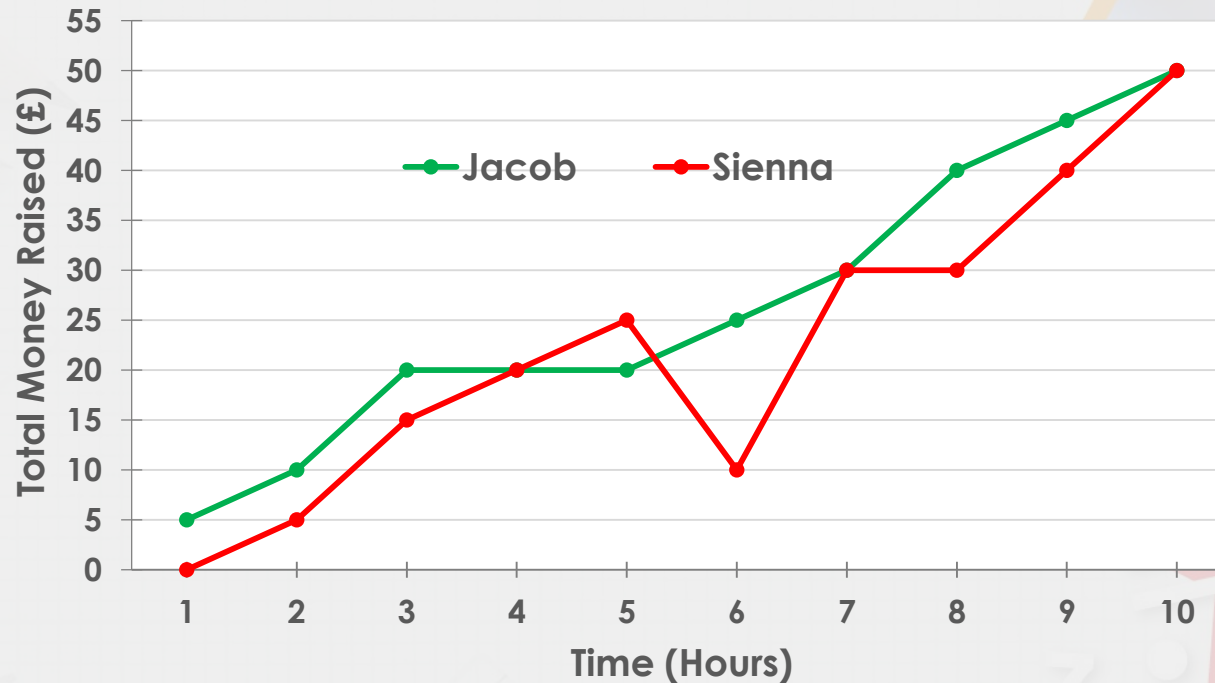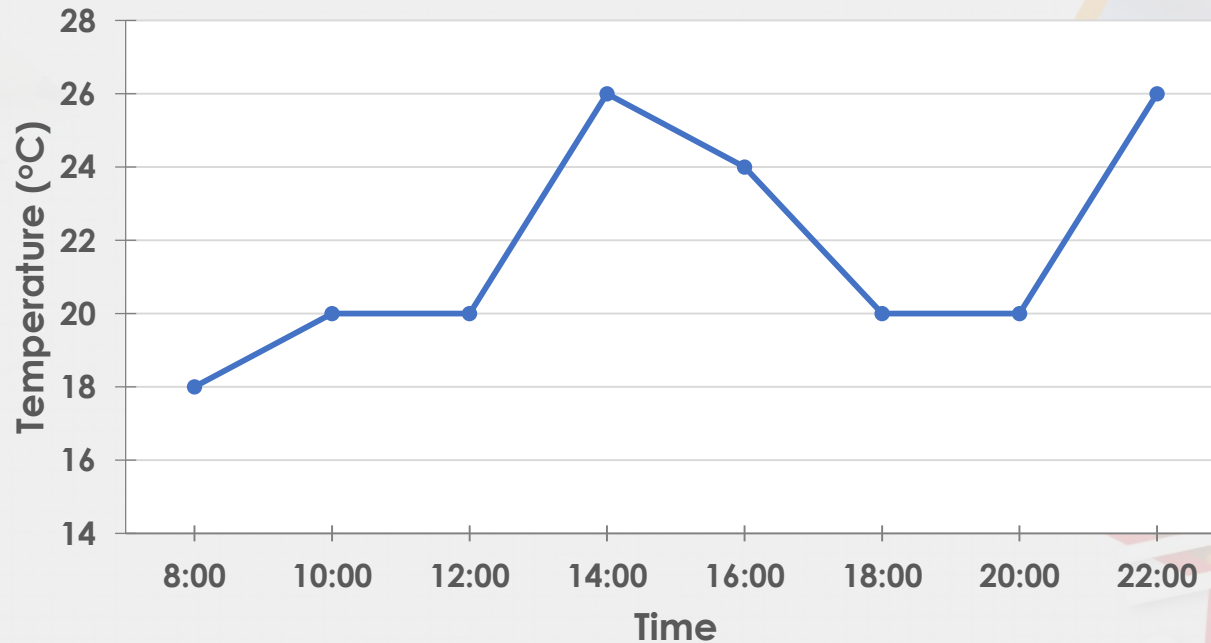
Money Raised Selling Cupcakes at the Fayre

Benji has plotted Sienna's total money raised after 6 hours incorrectly because the total has dropped down to £10 which is not possible since £25 had already been raised after 5 hours.

Mo thinks that the heating timer is set to come on at 1pm and 6pm. Is he correct? Explain why.

Temperature in Mo's House
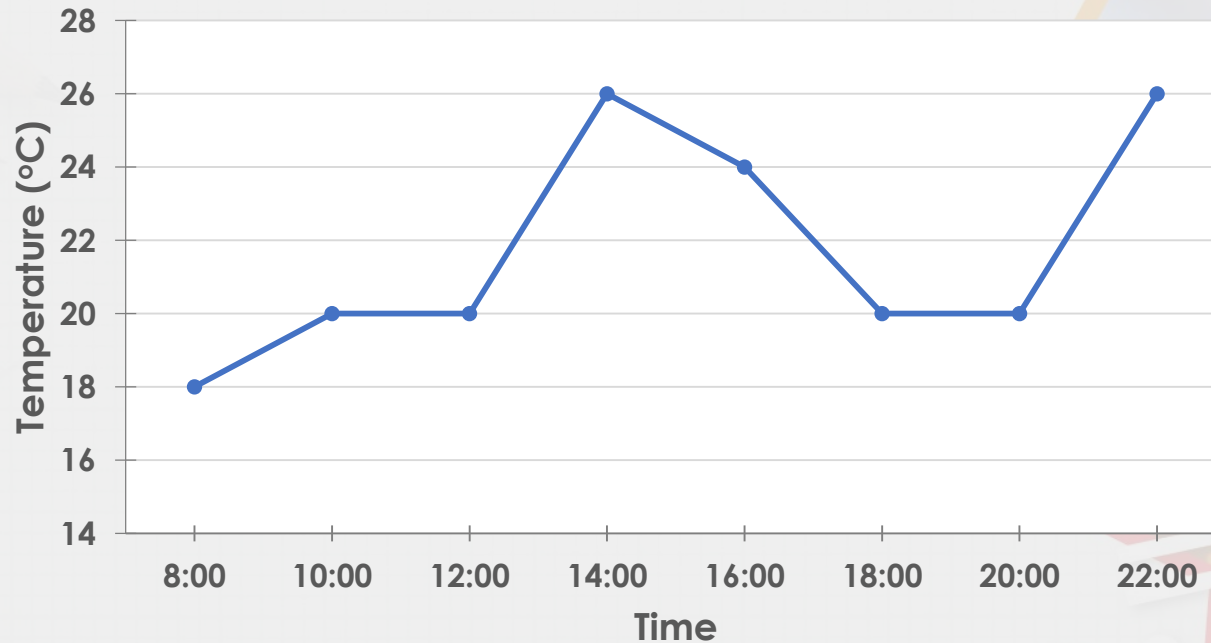
Mo thinks that the heating timer is set to come on at 1pm and 6pm. Is he correct? Explain why.

Temperature in Mo's House

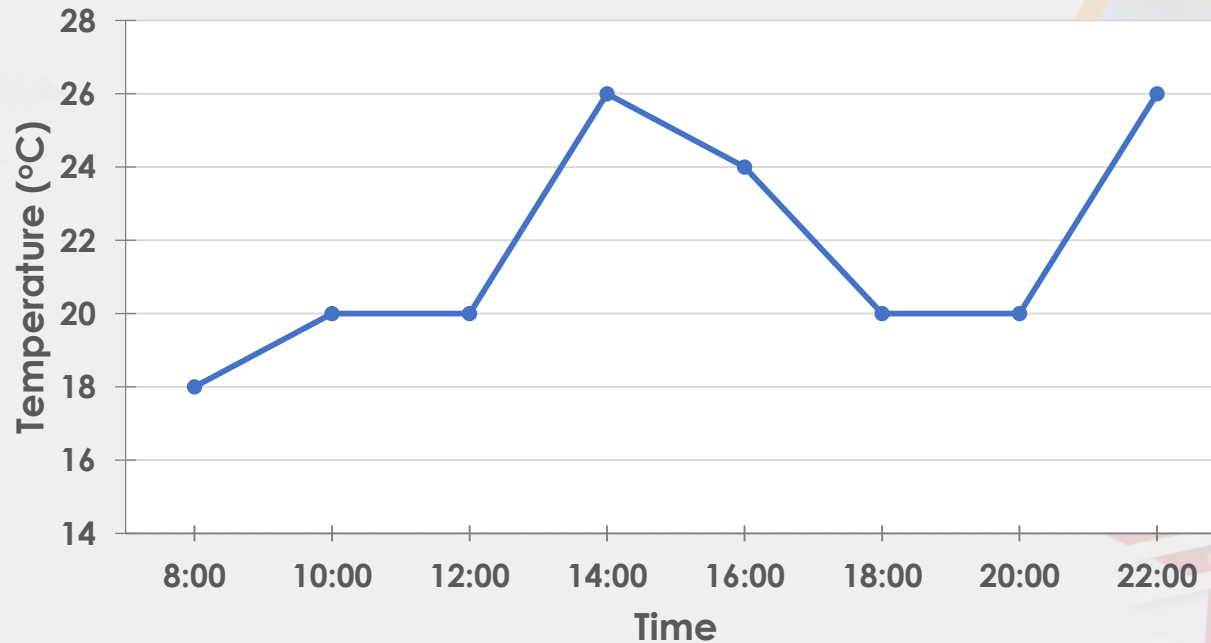Mo is incorrect because…

Mo thinks that the heating timer is set to come on at 1pm and 6pm. Is he correct? Explain why.

Temperature in Mo's House

Mo is incorrect because the temperature starts to increase at 12pm and then decreases until 8pm when it starts to increase again. This suggests that the heating comes on at 12pm and 8pm.