Year 4 Maths Remote learning Week beginning Monday 1st March 2021

This pack contains:

- Completed activity for teaching

- 5 lessons with tasks

You will then need to bring in your homework book when you return to school. The teacher will then be able to give you feedback on the work.
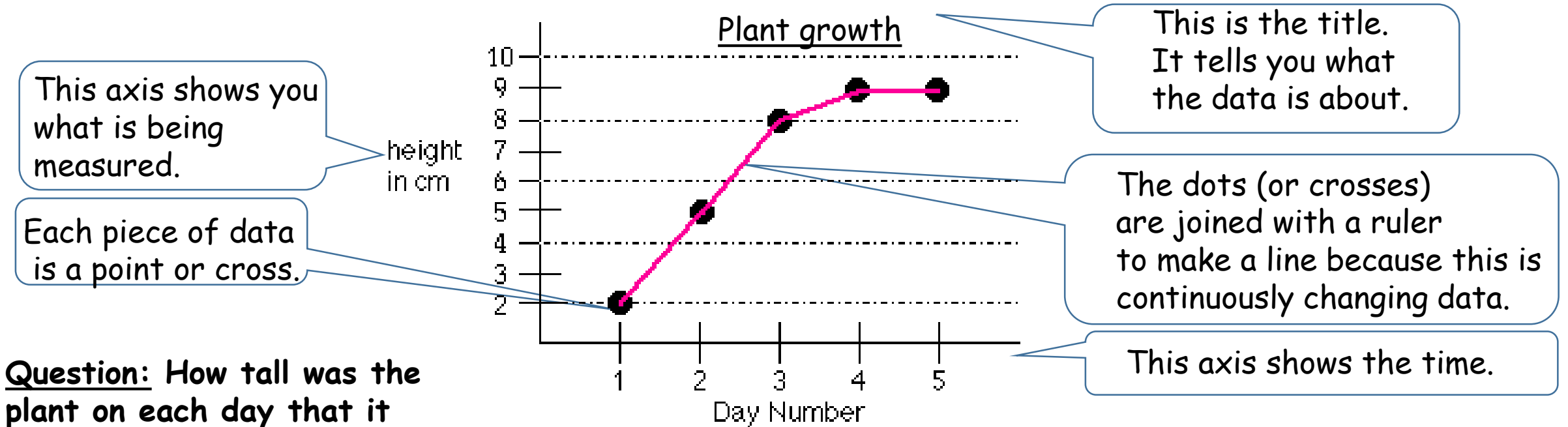
Lesson 1 - Teaching
Can I understand line graphs?

Starter: Find 1/3 of these numbers: 30, 15, 18, 33, 24

Remember that finding one third is the same as dividing (or sharing) by three!

Task: Either look at this example of a line graph and read the labels then try to answer the questions OR go to mymaths.co.uk https://app.mymaths.co.uk/6007-lesson/line-graphs (Login **elson**, Password **prism**) and follow the lesson from slides 1-7.

This is the title.
It tells you what
the data is about.

This axis shows you
what is being
measured.

Plant growth

height
in cm

Each piece of data
is a point or cross.

The dots (or crosses)
are joined with a ruler
to make a line because this is
continuously changing data.

Day Number

This axis shows the time.

Question: How tall was the plant on each day that it was measured?

Lesson 1 – Activity

Can I read a line graph?

Questions:
1) How much did Elf weigh in October?
2) How much did Elf weigh in May?
3) How much did Elf weigh in July?
4) What was Elf's heaviest weight?
5) What was Elf's lightest weight?
6) How much did Elf's weight change between December and March?
7) How much did Elf's weight change between May and June?
8) How much more did Elf weigh in April than in March?

During monthly visits to the veterinarian, Elf's weight was recorded.

Elf the puppy's weight
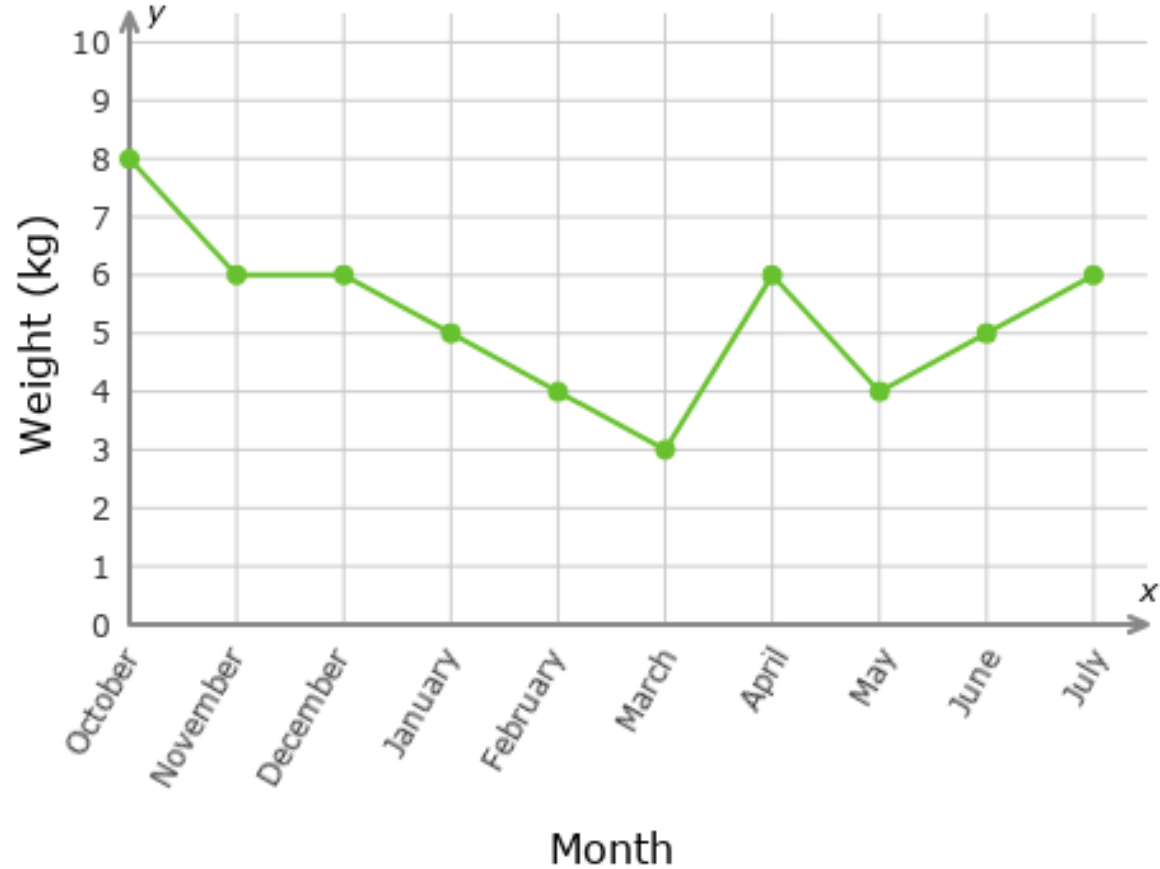
Answers
1) 8kg   2) 4kg   3) 6kg   4) 8kg
5) 3kg   6) 6 – 3 = 3kg change
7) 6 – 4 = 2kg change   8) 6 – 3 = 3kg more in April

Lesson 2 - Teaching
Can I read and interpret line graphs?

Starter: Find 1/5 of these numbers: 25, 15, 20, 50, 55
Remember that finding one fifth is the same as dividing (or sharing) by five!

Task: Your task today is to watch this Oak Academy video and complete the worksheet.

https://classroom.thenational.academy/lessons/read-and-interpret-time-graphs-6mvp6e

Lesson 2 - Activity
Can I read and interpret line graphs?

If it helps, join the crosses in a line with a ruler!

Using the information from the time graph, answer the questions.

1) At what time was the temperature 6°C?

2) What was the temperature at 08:00?

3) What was the difference between the hottest and the coldest part of the day?

4) Was it warmer at 9 o'clock a.m. or 9 o'clock p.m.?

5) Was it colder at 10:00 or at 16:00?

6) What was the difference between the temperature at 06:00 and at 09:00?

7) When was the temperature lower than 8°C?

8) When was the temperature higher than 10°C?
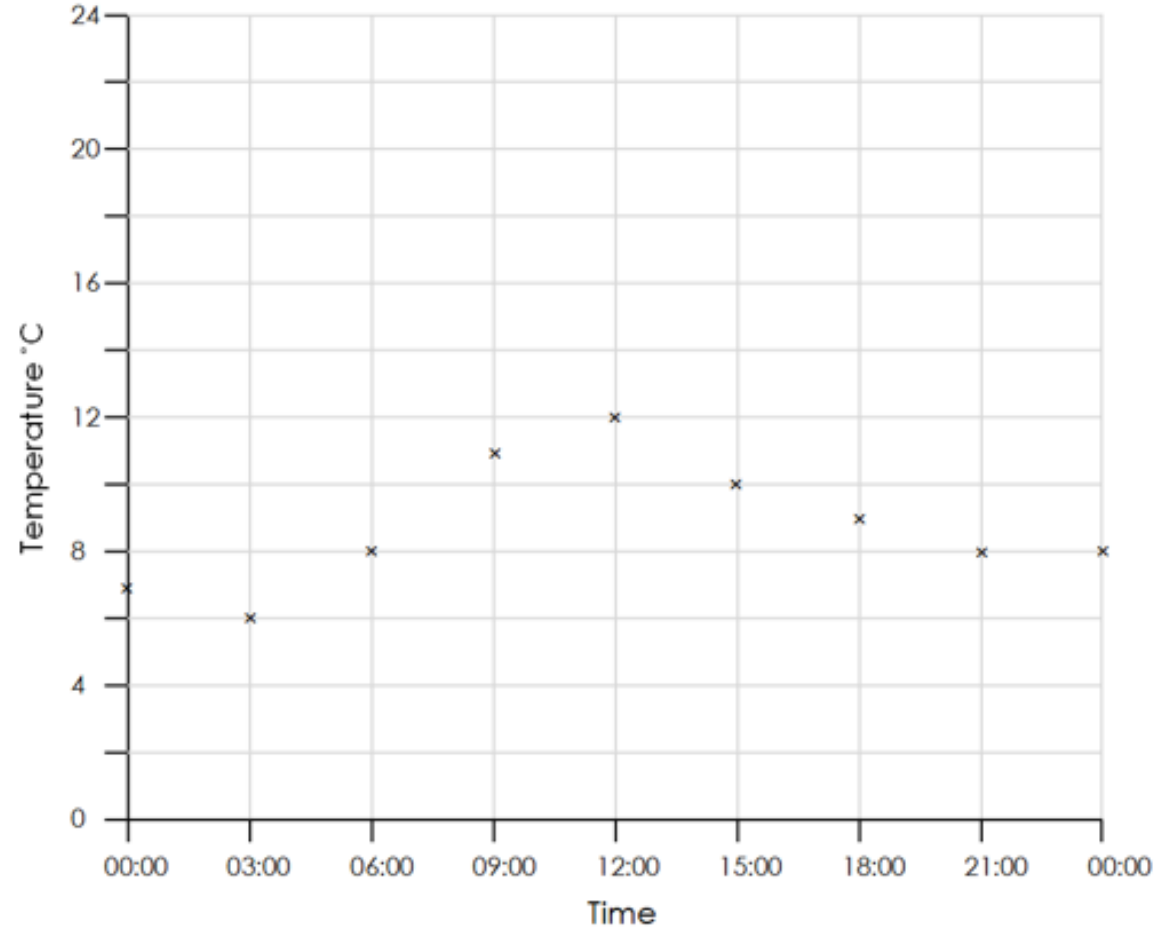
Answers:
1) 03:00   2) 10°C   3) 12 - 6 = 6 °C difference   4) a.m.
5) 10:00   6) 11 - 8 = 3 °C difference   7) 00:00 and 03:00
8) 09:00 and 12:00

Lesson 3 - Teaching
Can I calculate mentally?

Starter: Spend 10 minutes on Times Table Rock Stars or go to www.timestables.co.uk to practise a table you are finding tricky.

Task: Today, you are going to do Arithmetic Test B.

Note to parents:
Allow 40 minutes (maximum) for your child to answer the questions.

Working out should be done in their head as this is a Mental Maths test.
If your child needs to make jottings to keep track of numbers, this is O.K. but discourage use of number lines or other full written methods.

When they are finished, mark the test together. Look at any questions they got wrong and see if they can work out the right answer with your help.

Lesson 3 - Activity
Can I calculate mentally?

Test B

1	2 + 7 =	10	130 – 50 =	19	75 + 48 =
2	51 + 9 =	11	4 + 55 =	20	63 – 26 =
3	40 + 30 =	12	8 x 4 =	21	25 + 75 =
4	28 – 8 =	13	_____ + 13= 30	22	1/5 of 35 =
5	72 – 5 =	14	47 + 39 =	23	92 - ___ = 41
6	8 x 10 =	15	21 ÷ 3 =	24	130 ÷ 10 =
7	1/3 of 18 =	16	66 – 12 =	25	74 – 57 =
8	3 + 40 + 6 =	17	58 – 20 =		Total correct
9	9 x 10 =	18	84 + 50 =		/ 25

Lesson 4 - Teaching
Can I interpret a line graph?

Starter: Find 1/4 of these numbers: 16, 20, 24, 32, 40

Remember that finding one quarter is the same as dividing (or sharing) by four!

Task: Look at this Oak Academy lesson and complete the task.

https://classroom.thenational.academy/lessons/interpret-time-graphs-cngkje

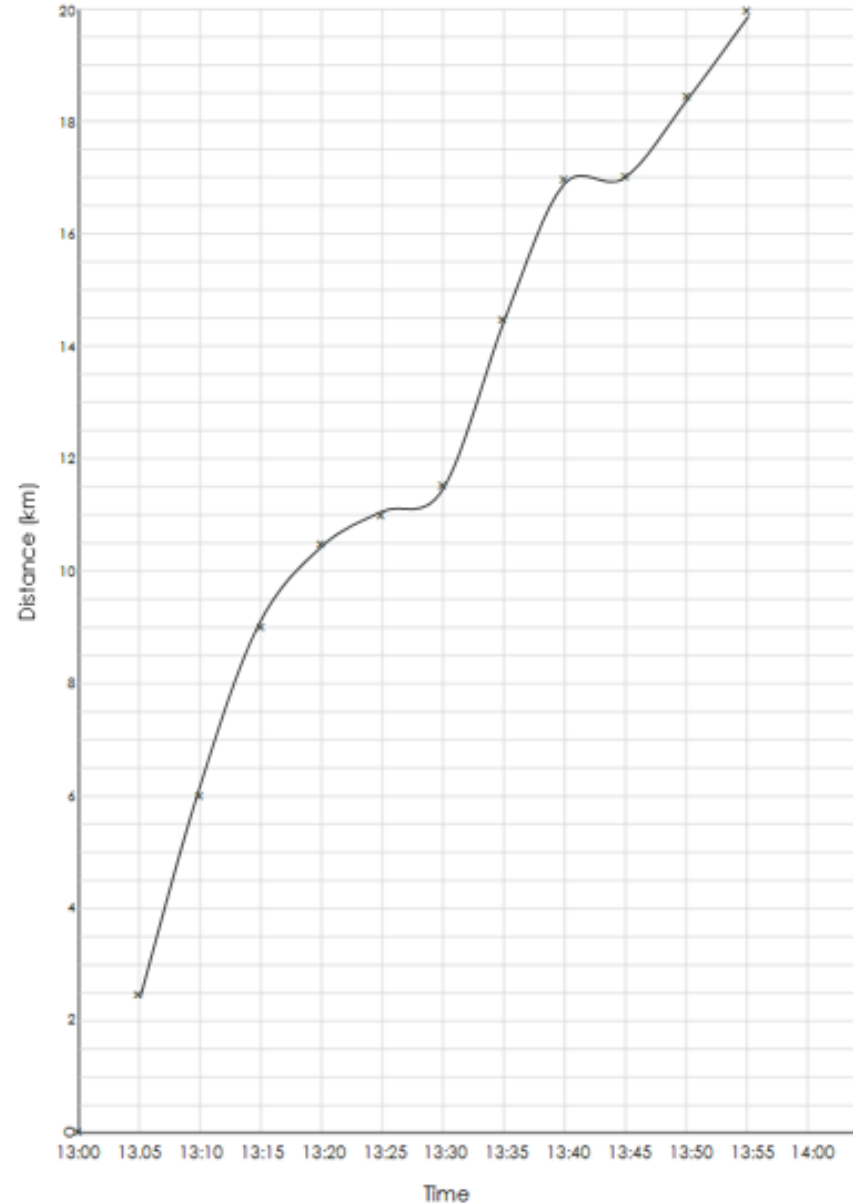# Lesson 4 – Activity Can I interpret a line graph?

Independent Task

Write a diary account of what happened during each part of Leo's cycle ride.

For example

Time: 13:00 to 13:05

The cycle ride started well - I had lots of energy so I was able to cycle quickly and I knew that a downhill was coming up!

Time: 13:05 - 13:10

Lesson 5 - Teaching
Can I draw a line graph?
Starter: Find 1/2 of these numbers: 20, 10, 18, 14, 32

Remember that finding one half is the same as dividing (or sharing) by two!

Task: You will be using data presented on a table to draw a line graph.

Notice that the days are along the bottom/horizontal line (axis) and the temperatures are up the side/vertical line (axis).
Read the data for Monday from the table. Put your finger on Monday and 19 (halfway between 18 and 20). Now follow both lines with your fingers and dra a dot at the point where the two lines cross.
Repeat for the other data. Then, use a ruler to join up all the dots in the order you drew them to make a line. You should now have a line graph!

Now have a look at this data:

Day of Week	M	T	W	Th	F	Sat	Sun
Temperature °C	19	20	17	18	16	9	14

It shows the temperature at the same time on each day of a week.
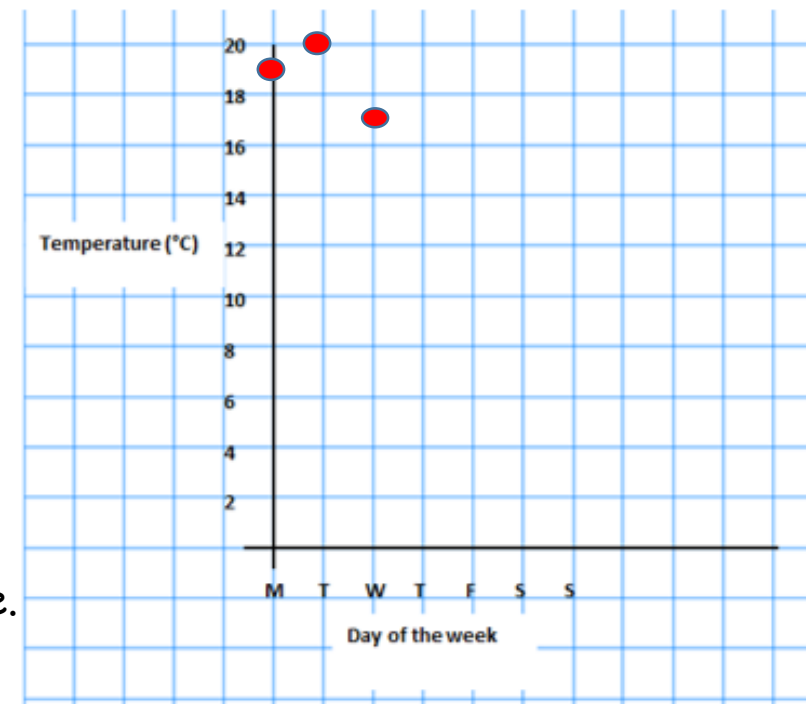We are going to have a go at drawing this data as a line graph.

Your turn:
Draw a line graph using the temperature data on the next slide.
You will need to choose your scale so think carefully!

Temperature (°C)

20
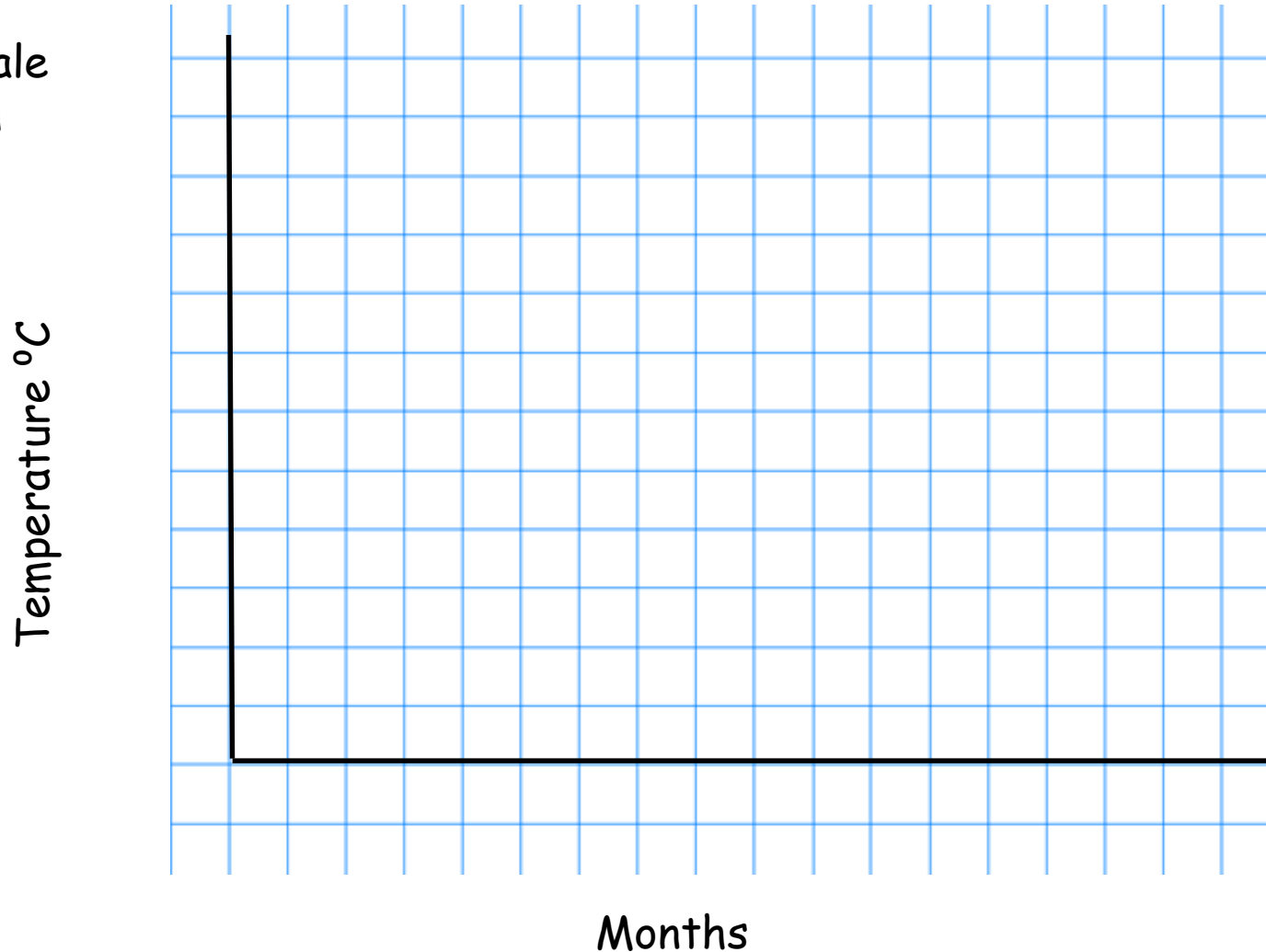18
16
14
12
10
8
6
4
2

M T W T F S S

Day of the week

Lesson 5 - Activity
Can I draw a line graph?

Average daily maximum temperature in London during the year:

Month	J	F	M	A	M	J	J	A	S	O	N	D
Temp (°C)	4	5	7	9	12	16	18	17	15	11	8	5

Hint: This scale could go up in twos!

Temperature °C

Months

Thinking question: What questions could you ask someone about your line graph?