

Please find today's learning tasks below.

The table below explains the tasks and you will find the resources underneath. Your child will know which challenge they usually access in each subject and which task will be appropriate for them.

Unless otherwise specified, please complete the tasks in either your Home Learning book or on a word document.

Year group: 4		Date: 8/7/20	
	Challenge 1	Challenge 2	Challenge 3
<b>English</b>	Using yesterday's storyboard, retell the ending of the legend when Sir Gawain returns to Camelot. Try to include paragraphs, 2A sentences, similes and a variety of different sentence types.		
<b>Maths</b>	<b>Line graphs</b> See the 'Maths Top tips page for more information on line graphs. Complete the line graph problems below by interpreting and comparing the data from them. Choose the correct challenge for you.		
<b>Reading</b>	Please read a book or an e-book ( <a href="https://www.oxfordowl.co.uk/">https://www.oxfordowl.co.uk/</a> ) of your choice		
<b>Topic</b>	<b>Art</b> Take your pencil for a walk! Draw a continuous line until your page is filled and then try to fill each section with a different pattern!		



## Maths – Top tips

# Line Graphs

Line graphs are used to show changes to a measurement over time. They show **continuous data**.

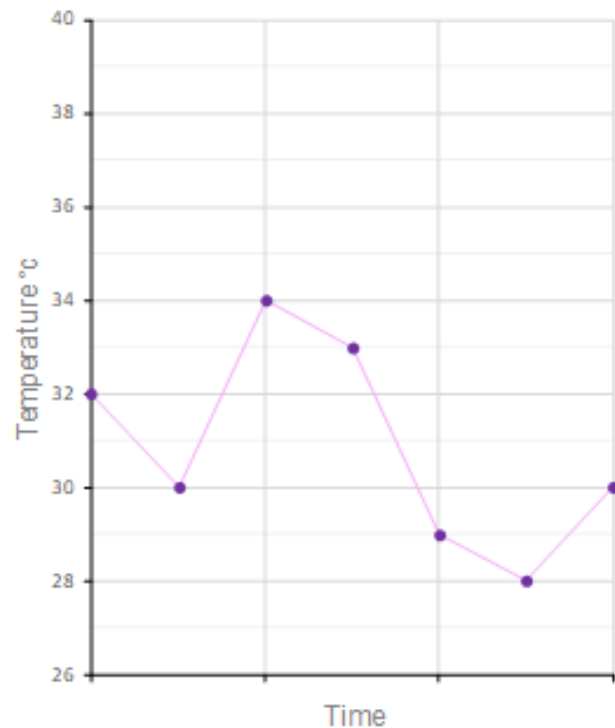
The data being measured is shown on the **vertical** axis.

The time the data is being measured over is shown on the **horizontal** axis.

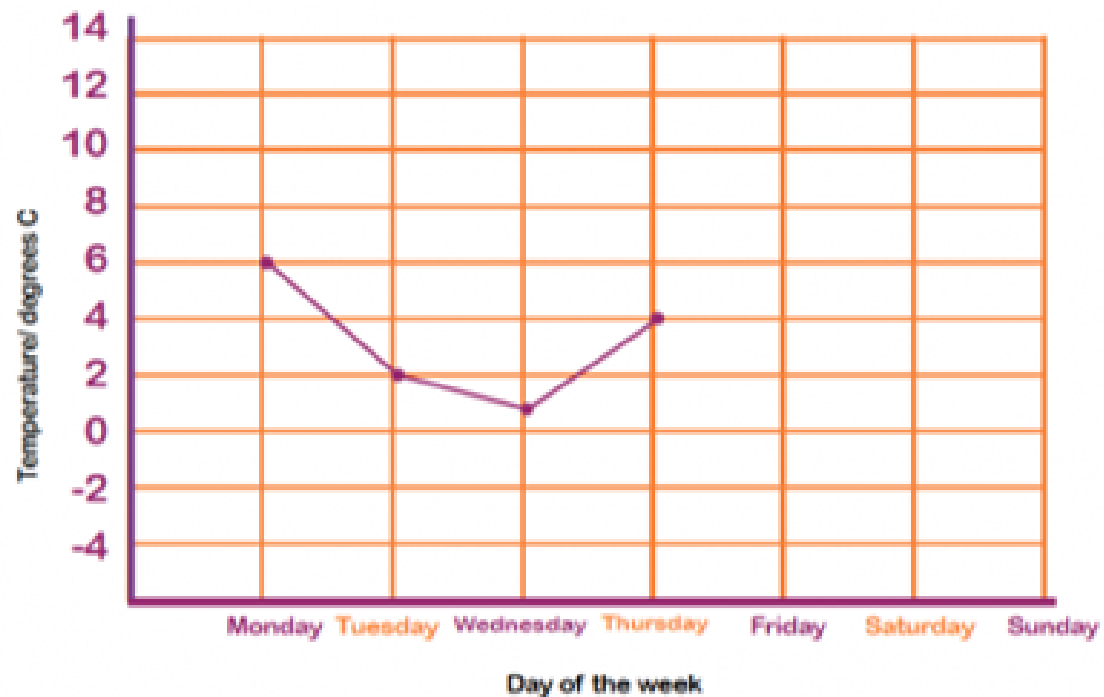
Data is plotted on to a line graph in the same way as a coordinate grid. These data plots are then joined with straight lines.

We can use the line of the graph to describe general trends in the change of the measurement over time, or to find precise measurements at a given time.

A Line Graph to Show the Temperature of the Classroom



## Maths – Challenge 1

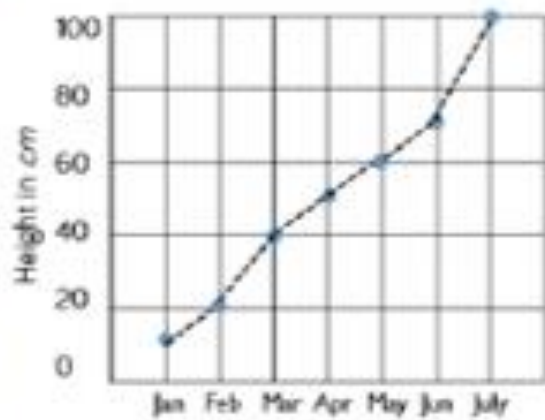


- 1) Which day had the highest temperature?
  - 2) What was the temperature on Tuesday?
  - 3) Which day had a temperature of 4 C?
  - 4) Why do you think Friday, Saturday and Sunday do not have a plot on the line graph?
  - 5) Plot these temperatures:
    - Friday 4 C
    - Saturday 8 C
    - Sunday 11 C
-

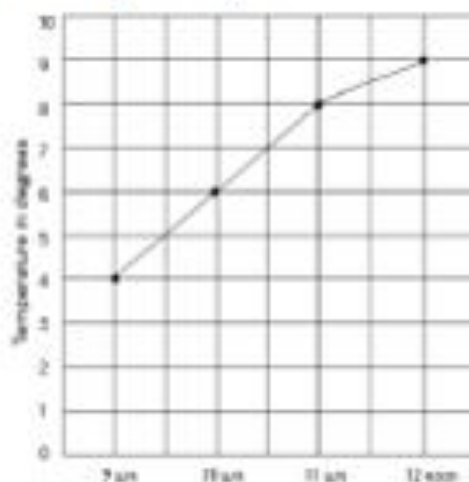
## Maths – Challenge 2

1 The graph shows the growth of a plant over 6 months.

- How tall was the plant in May?
- In what month did the plant first reach 50 cm?
- How many centimetres did the plant grow between March and July?
- What was the difference between the height of the plant in February and the height of the plant in April?



2 The graph shows the temperature in the playground during a morning in April.

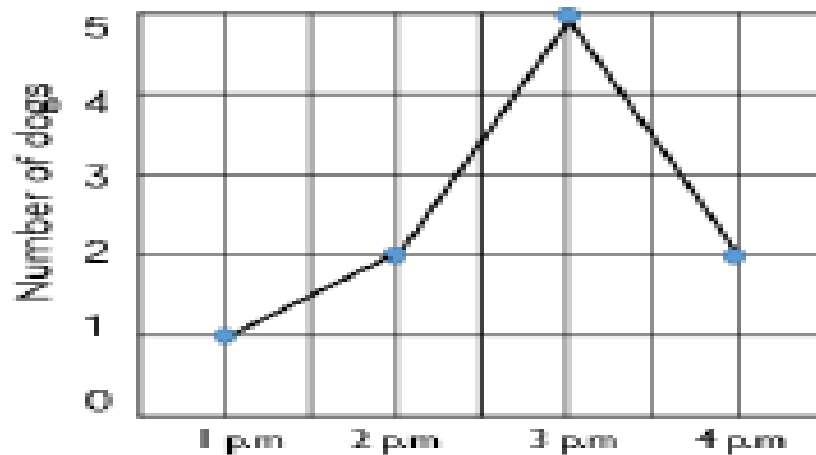


The temperature at 9 a.m. is \_\_\_\_\_ degrees.

The warmest time of the morning is \_\_\_\_\_

## Maths – Challenge 2 (continued)

The graph shows the number of dogs walking in the park one afternoon.



Dylan says,



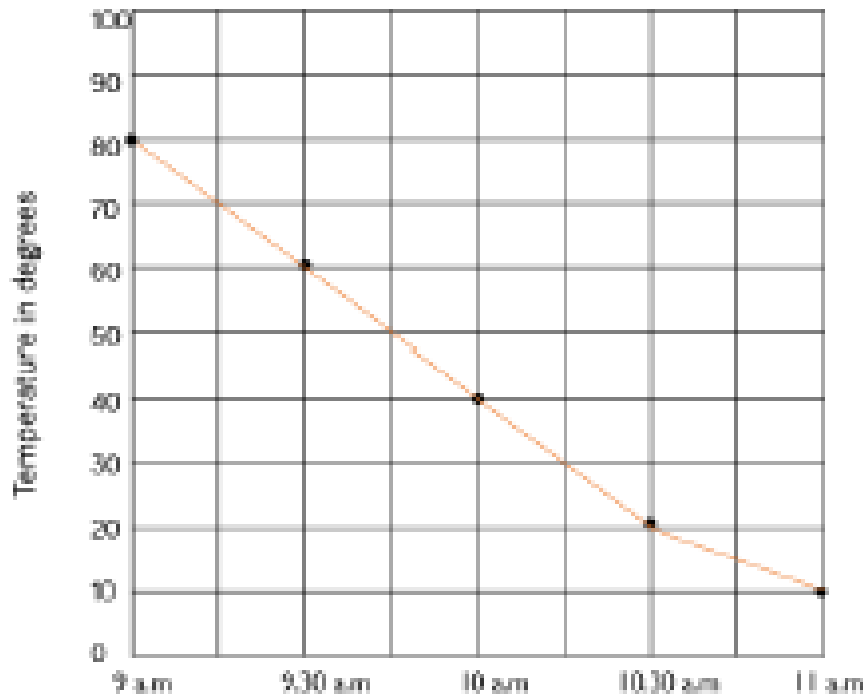
At half past one there are 1.5 dogs in the park.

Why is Dylan incorrect?

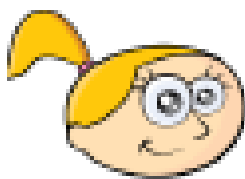
What would be a better way of presenting this data?

## Maths – Challenge 2 (continued)

Katie measured the temperature of a hot drink every 30 minutes for 2 hours. The graph shows Katie's results.



Katie says,



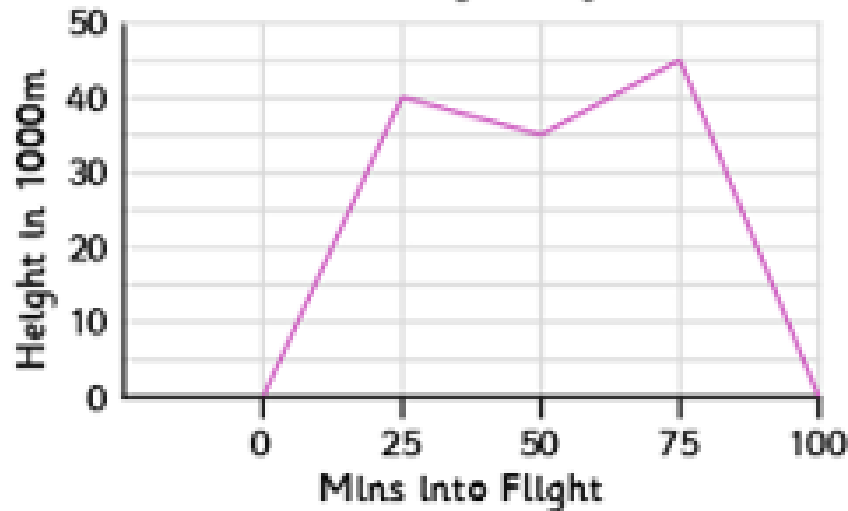
In the first 45 minutes the temperature of the tea had dropped by 20 degrees.

Do you agree with Katie?

Explain why.

### Maths – Challenge 3

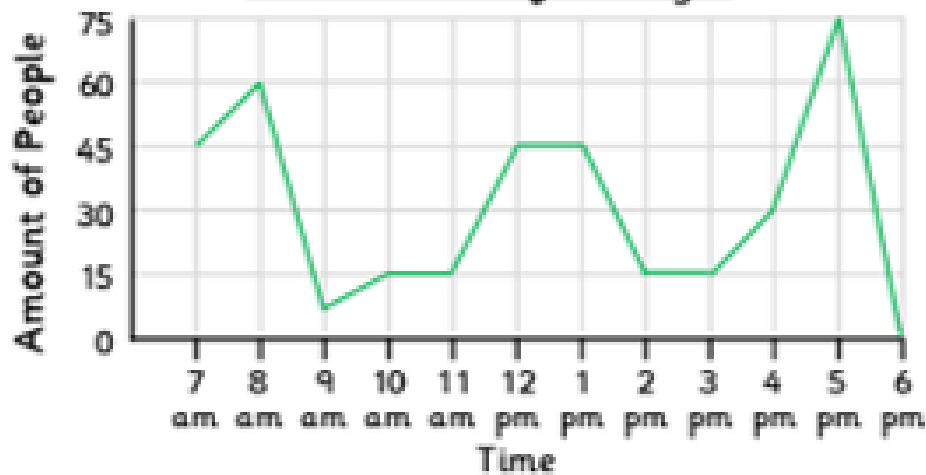
8a. Use the line graph to fill in the gaps. Plane Journey Glasgow to Paris



The flight lasts \_\_\_\_ mins. The plane reached a height of \_\_\_\_.



8b. Use the line graph to fill in the gaps. Members Using the Gym



The gym closes at \_\_\_\_ pm. The busiest time is \_\_\_\_ pm.

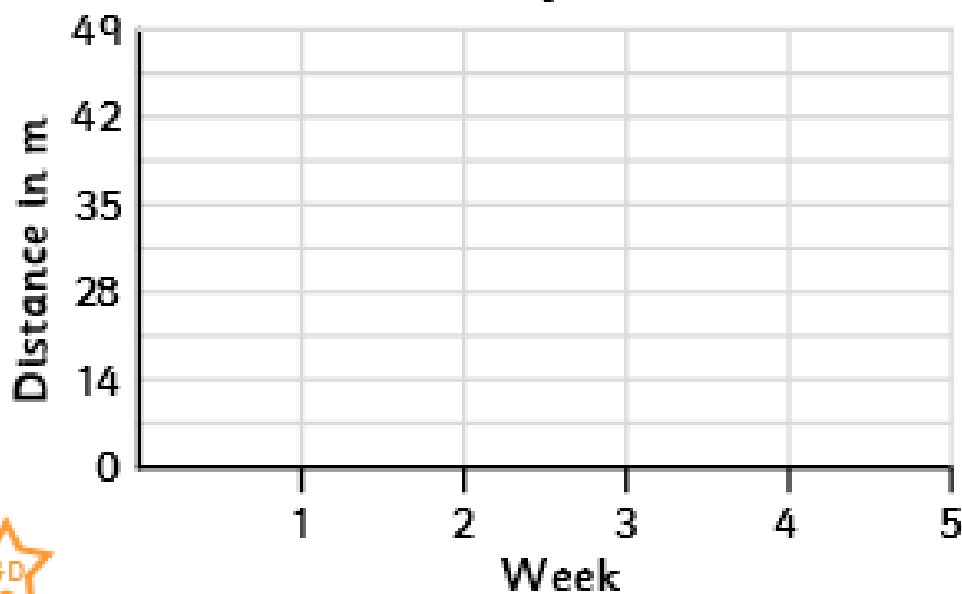


**Maths – Challenge 3 (continued)**

9b. Use the data to complete the line graph.

Week	1	2	3	4	5
Distance	7m	14m	31.5m	38.5m	45.5m

**Paving Laid**





## Maths – Challenge 3 (continued)

1a. The children are looking at recording how many brothers and sisters they each have. They gather all the answers in a tally chart.

Would you use a line graph or bar chart to represent this data?



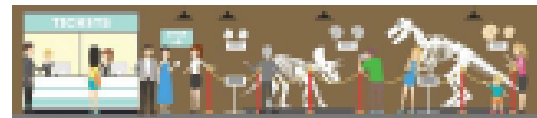
Explain your answer.



PS

1b. A museum is gathering information on the amount of people who visit over the year.

Would you use a line graph or bar chart to represent this data?

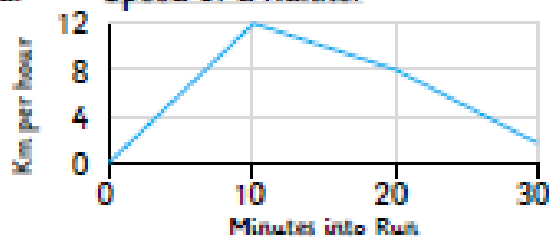


Explain your answer.



PS

2a. **Speed of a Runner**



Greg

At 8 mins he is running at 20km per hour.

At 10 mins he is running at 12km per hour.



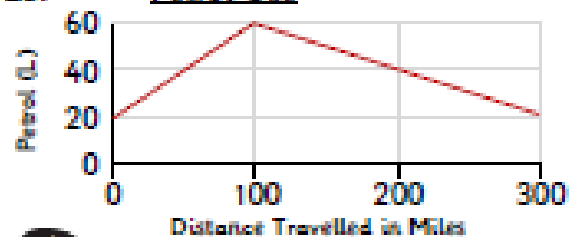
Heidi

Explain who is correct.



PS

2b. **Petrol Use**



Talia

At 200 miles there were 40 litres left.

The car ran out of petrol at 300 miles.



Deni

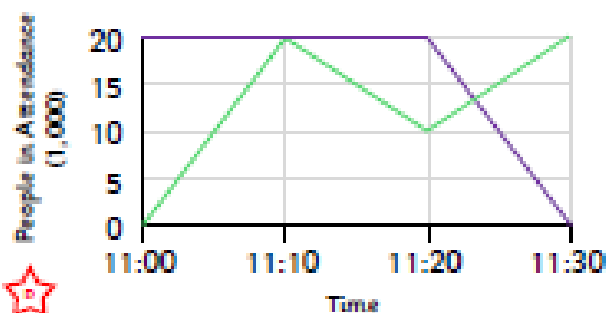
Explain who is correct.



PS

3a. A music festival started at 11am. After 20 minutes, the fire alarm sounded and everyone was evacuated.

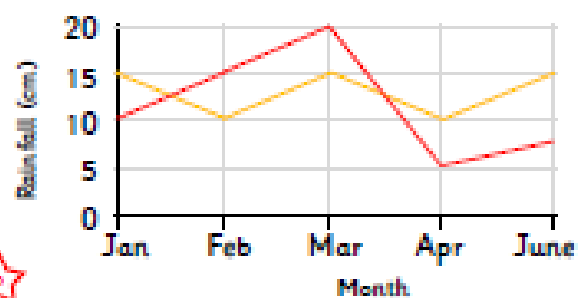
Which line on the graph shows what happened?



PS

3b. Jessica measured the rainfall over four months. She recorded a different amount of rainfall for each month.

Which line on the graph shows what happened?



PS