

Year 6 – Summer Block 3 – Statistics

Hi Year 6 – It's Thursday 7th May. Don't forget that it's a Bank Holiday tomorrow, so this is the last day of work for this week. We will be setting more work on Monday though, so don't panic!

Part 3

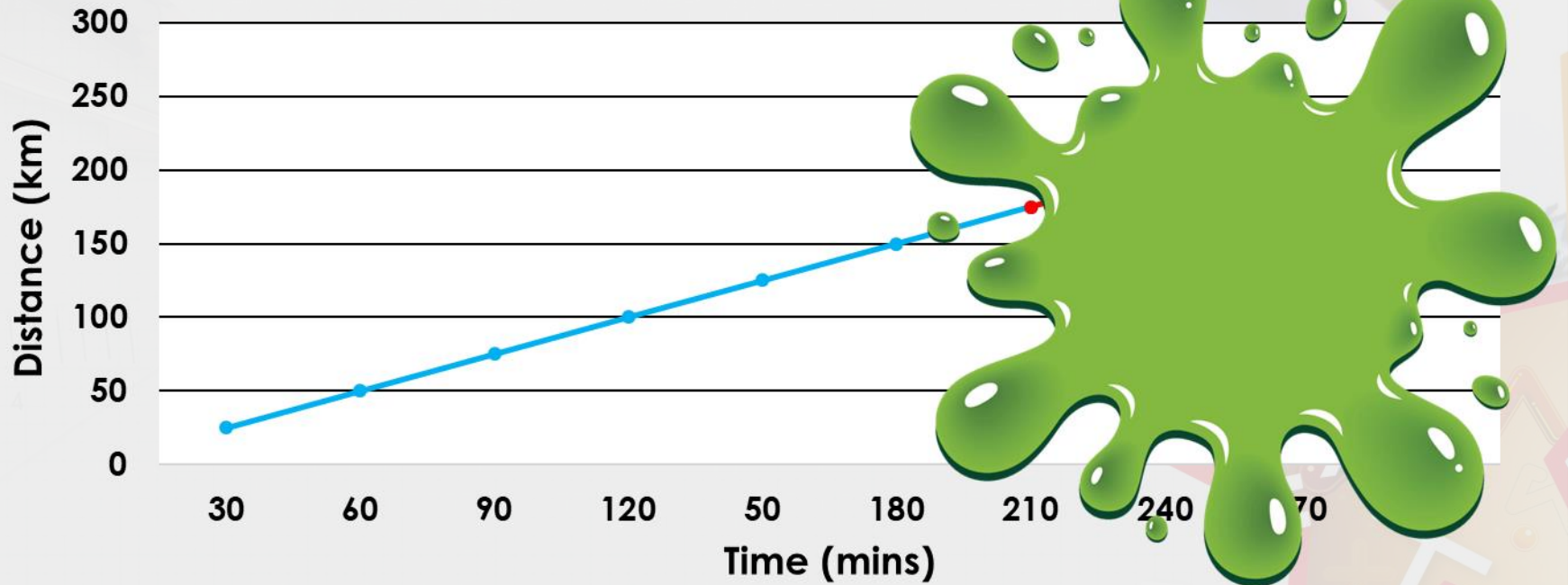
WALT Draw Line Graphs

See my notes in green to help you.

Problem Solving 1

**Part of this line graph is missing.
It should show from 30 – 300 minutes.**

Distance a Car has Travelled in 5 Hours.

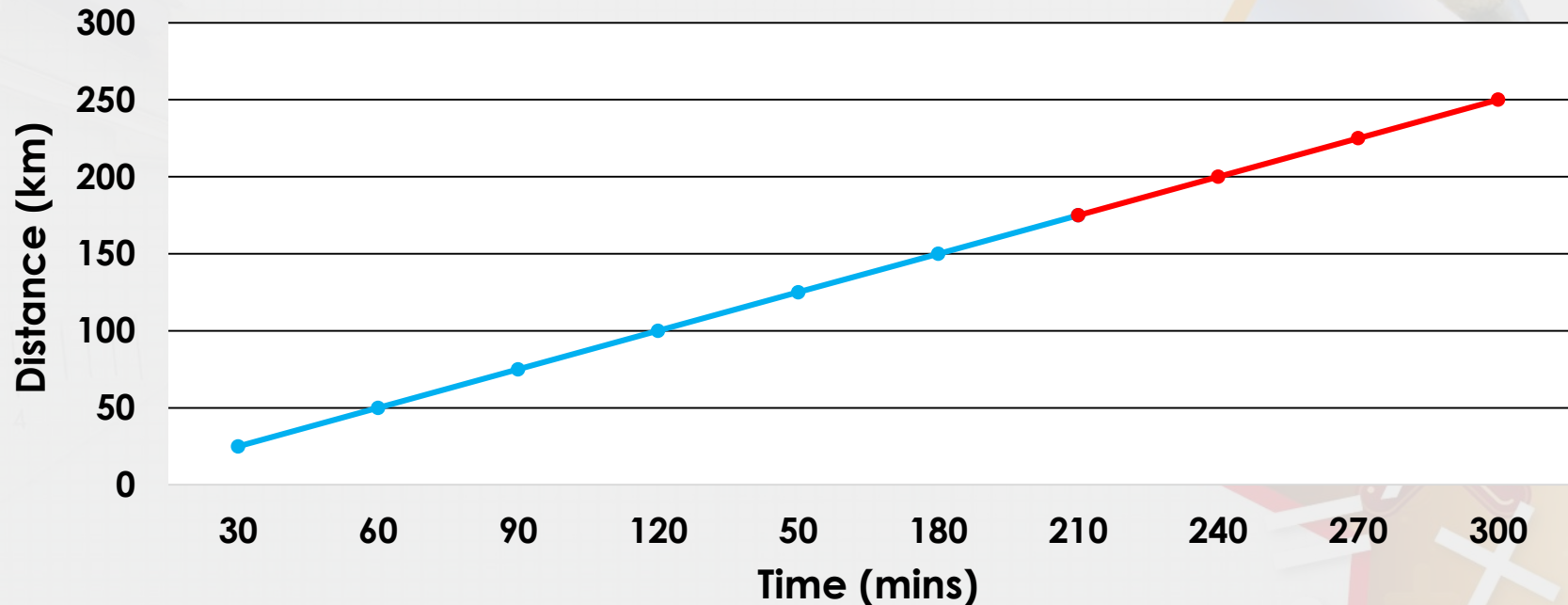


**If the graph continued in the same way, how many km would have been travelled after 270 minutes?
Draw the completed line graph.**

Problem Solving 1

Part of this line graph is missing.
It should show from 30 – 300 minutes.

Distance a Car has Travelled in 5 Hours.



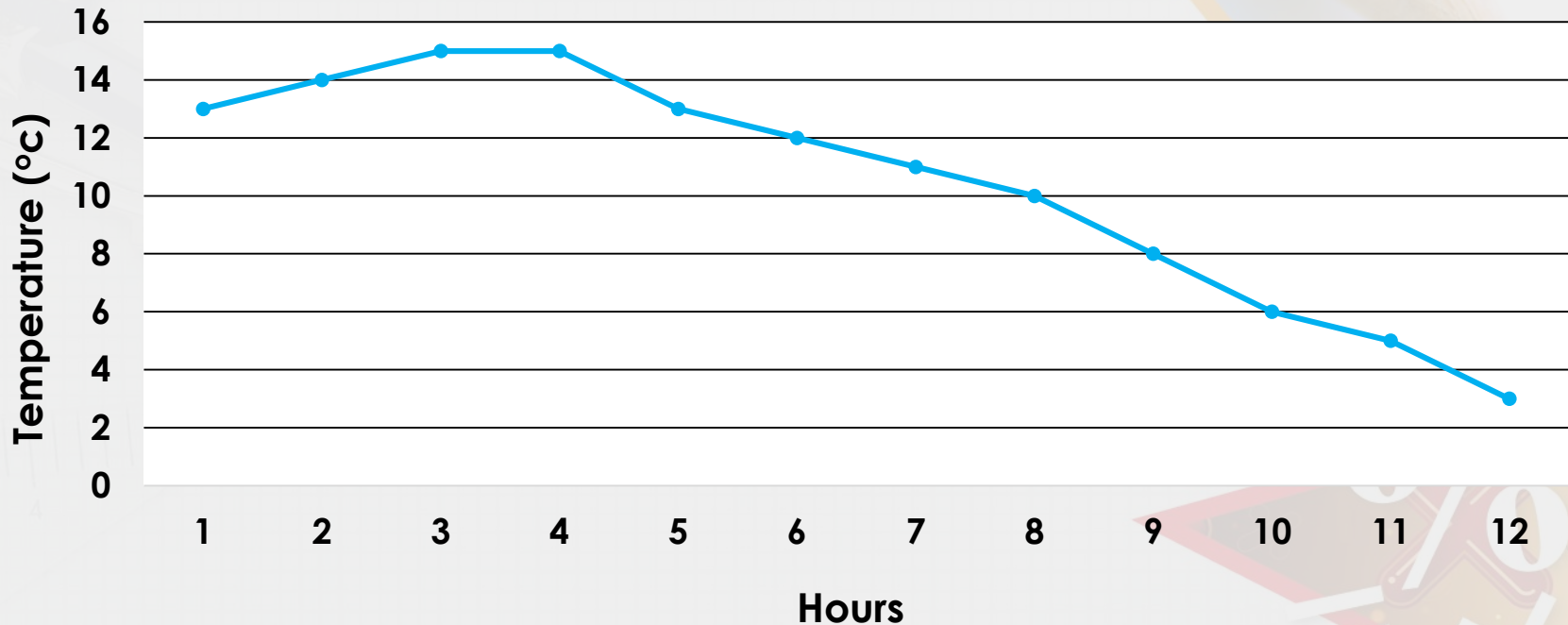
If the graph continued in the same way, how many km would have been travelled after 270 minutes? **225km** (because 25km is travelled every 30 minutes. The straight diagonal line tells you this is a steady trend.)

Draw the completed line graph.

Reasoning 1

The line graph shows the temperature over 12 hours.

Temperature over 12 Hours.



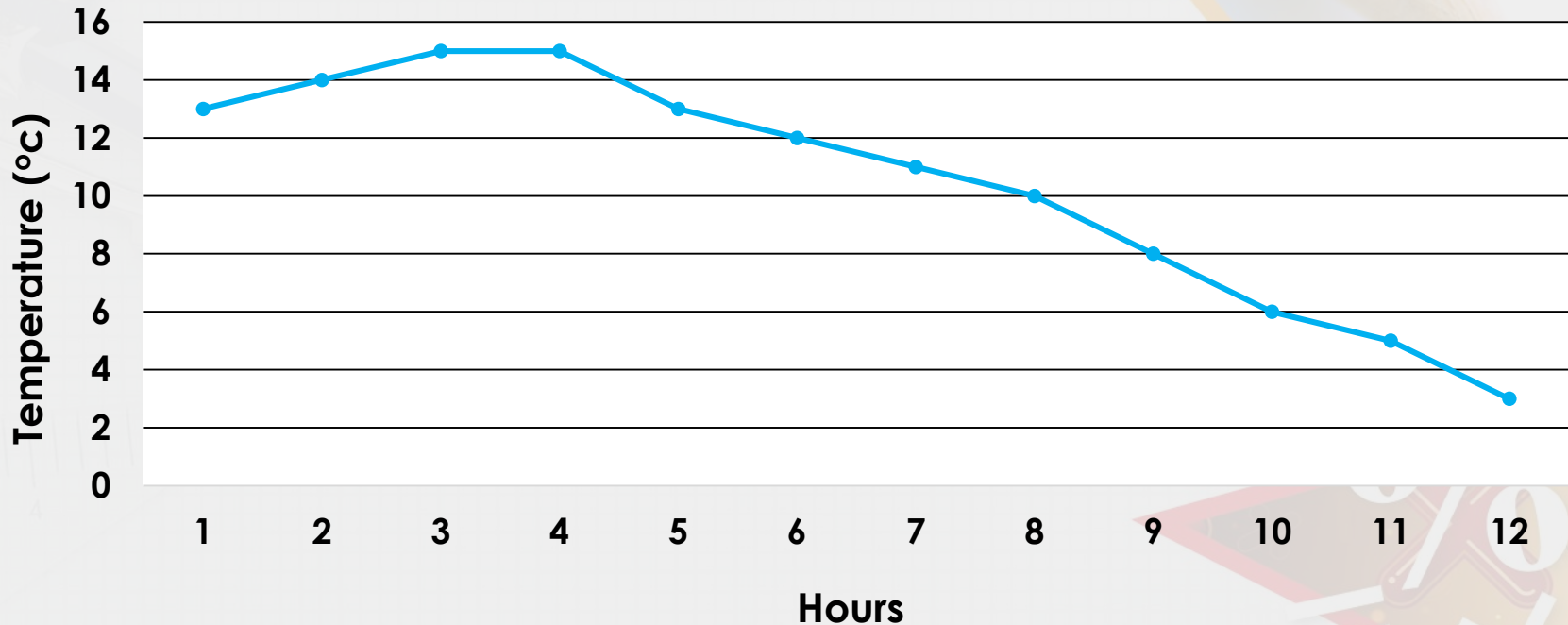
What is happening between the 4th and 12th hour?

Explain your reasoning.

Reasoning 1

The line graph shows the temperature over 12 hours.

Temperature over 12 Hours.



What is happening between the 4th and 12th hour?

The temperature is dropping.

Explain your reasoning.

Example answer: Because it is night time, the graph is not specific about the time of day.

Reasoning 2

Lucas is creating a line graph representing the population of 4 different countries over 3 years.



I will use intervals of 1,000 for the population axis.

Will this work on his line graph? Why?

Reasoning 2

Lucas is creating a line graph representing the population of 4 different countries over 3 years.



I will use intervals of 1,000 for the population axis.

Will this work on his line graph? Why?
This will not work because...

Reasoning 2

Lucas is creating a line graph representing the population of 4 different countries over 3 years.



I will use intervals of 1,000 for the population axis.

Will this work on his line graph? Why?

This will not work because the populations of countries are likely to be represented in millions, not thousands.

Well done! It's over to you now.

Go to Part 4 and choose your Star Challenge! Normal rules apply: page 1 will give you an easier challenge, page 2 will be about the same as what we've just practised and page 3 will be more of a stretch.

You only need to do the first three questions on your chosen Star Challenge – the ones on the left-hand side. If you want extra practice, you can then do the three questions on the right hand side of your chosen challenge page. When you finish, don't forget to mark your answers before sharing, so I can see where you need help.