

# Core Maths Summer Work and Reading List

## Summer work

- 1) Answer the following questions. Take a guess before using the internet to check your answer.
  - a. What is the population of the UK?
  - b. How many people are aged 20-30?
  - c. What is the length of the UK?
  - d. How many houses are there in the UK?
  - e. How many flights leave from Birmingham Airport in one day?
  
- 2) We will be using Excel regularly in lessons as we'll be looking at real life data. Before the course starts, you need to have a good knowledge of Excel. Follow the link and complete the unit.  
[Spreadsheets KS4 | Y11 Computing | Lesson Resources | Oak National Academy](#)

## Podcasts

### Risky Talk by Ilan Goodman

How can we best communicate the risks and the evidence on the most pressing issues of the day – from genetics and nutrition, to climate change and immigration?

[Risky Talk | Podcast on Spotify](#)



### More or Less

Tim Harford explains - and sometimes debunks - the numbers and statistics used in political debate, the news and everyday life

<https://www.bbc.co.uk/programmes/b006qshd>



## Books

An area of the course is teaching you how to estimate calculations using general knowledge. This book explores fermi estimation.

[Maths on the Back of an Envelope: Clever ways to \(roughly\) calculate anything by Rob Eastaway](#)

How many cats are there in the world?  
What's the chance of winning the lottery twice?  
And just how long does it take to count to a million?