



**Prof Alan Davies**  
**University of Hertfordshire**

**Superheroes: How High Does It Bounce?**

A workshop/demo involving the mechanics of bouncing balls.



**Ben Sparks**  
**Further Mathematics Support Programme**

**The Creation Of Number**

Where do numbers come from?

A whistle-stop tour of some of the exciting bits in the development of number, from integers, rationals, irrationals, all the way to complex numbers – with proofs and fractals thrown in...

Along the way:

Who killed **Hippasus**?

Just why is A4 paper 297mm long?

How do you know when there are -1 sheep in a field?

What is the square root of -1? Why does it matter?

***Is maths created by us, or are we discovering eternal truth?***