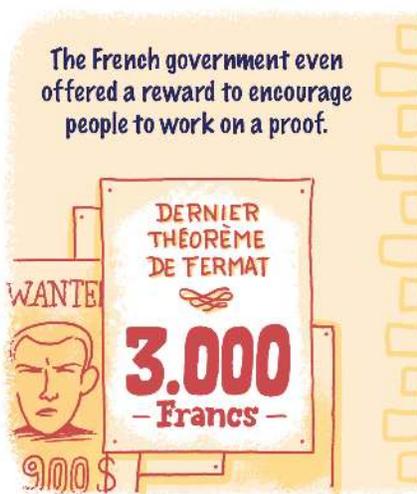
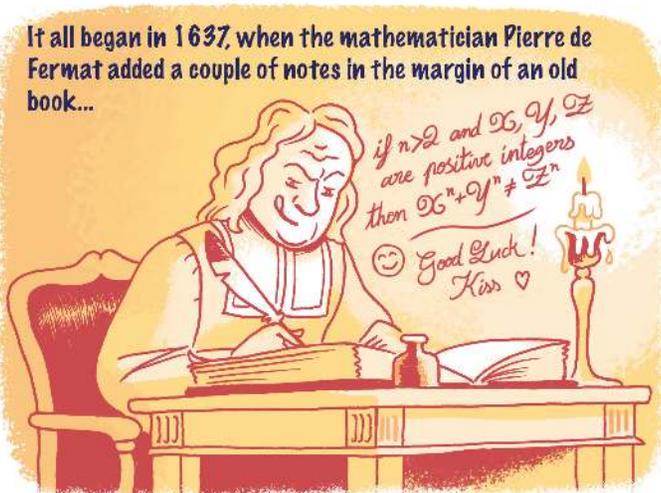


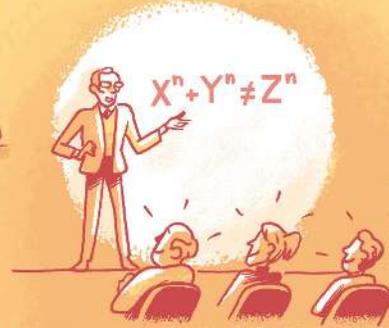
6. Number theory in the past, present and future



*The Abel Prize is the equivalent of a Nobel Prize for mathematics.



In 1993, he finally presented a sketch of a proof to the mathematics community!

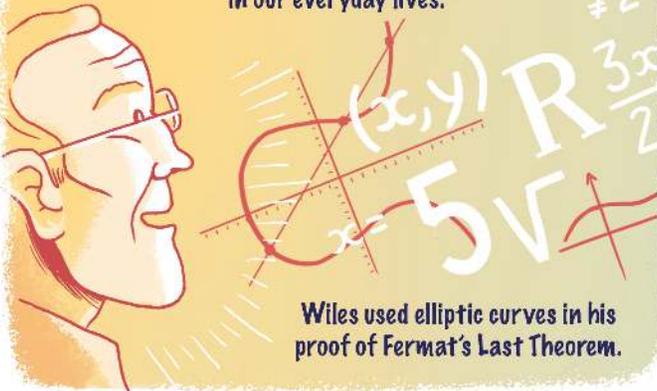


Wiles had been intrigued by Fermat's Last Theorem since he was 10 years old...



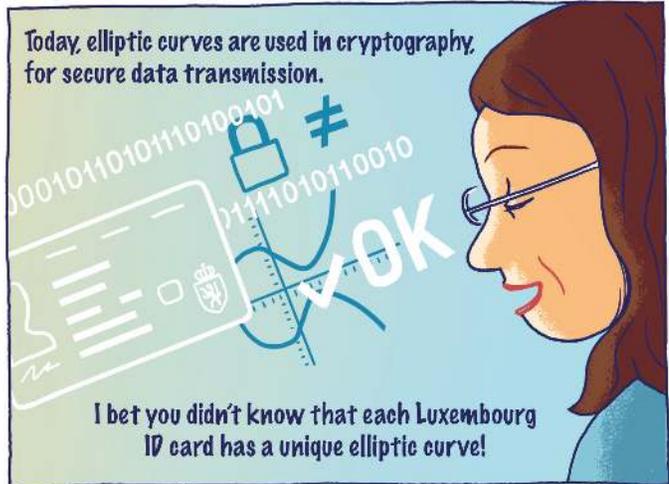
And with the help of Richard Taylor and others, he finally completed his proof!

The mathematical concepts that had been developed to solve the problem have also proved incredibly useful in our everyday lives.



Wiles used elliptic curves in his proof of Fermat's Last Theorem.

Today, elliptic curves are used in cryptography, for secure data transmission.



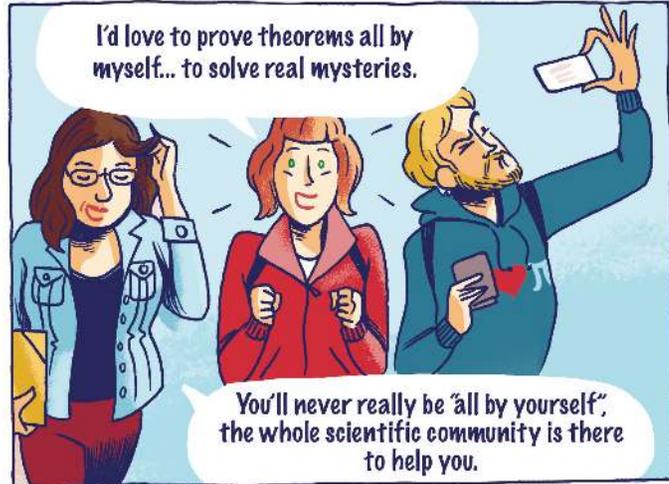
I bet you didn't know that each Luxembourg ID card has a unique elliptic curve!

You mean... I have my very own elliptic curve in my ID card?



Absolutely!

I'd love to prove theorems all by myself... to solve real mysteries.



You'll never really be "all by yourself", the whole scientific community is there to help you.

Come on, time to get back to class!

Hey Lucy, can you show me those Star Trek episodes this weekend?

