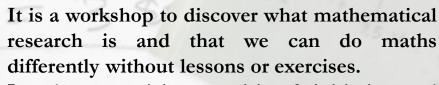


# WHAT IS A MATH.EN.JEANS WORKSHOP?



It values creativity, a spirit of initiative and team work.



- With a university researcher who submits the topics and monitors the progress of the research.
- With a maths teacher: he leaves great freedom to students without providing them with the answers
- With a paired school with another MATh.en.JEANS workshop working on the same topic.

#### WHAT IS THE AIM?

- Students participate in an annual regional MATh.en.JEANS congress and present the results of their work while meeting other workshop teams
- Students can publish a scientific article on the MATh.en.JEANS' Internet page.
- Some workshops may take part in competitions or meetings .





### FOR WHO?

For all curious students and volunteers who want to develop their imagination and reasoning skills on intriguing mathematical topics!

For those who wish to test, experiment and modelize freely.

$$A_{n+1} = 3T_0.4^n + 2.A_n$$

#### HOW?

- Students, in small groups choose their topic.
- They progress at their own pace, coached by their Maths teacher.
- The researcher may assist them if they face troubles
- The workshop is weekly (one hour per week)
- Students commit to attending the sessions on a regular basis.





## A FEW EXAMPLES

How to simulate avalanches?
How to modelize a flu epidemic?

Is it possible to predict the shape of a sand dune?

How to optimize the coverage of a territory with antennas?

Can we modelize the way crystals grow?

How do crowds behave?
How to classify and test knots?
The "Super Farmer" game

