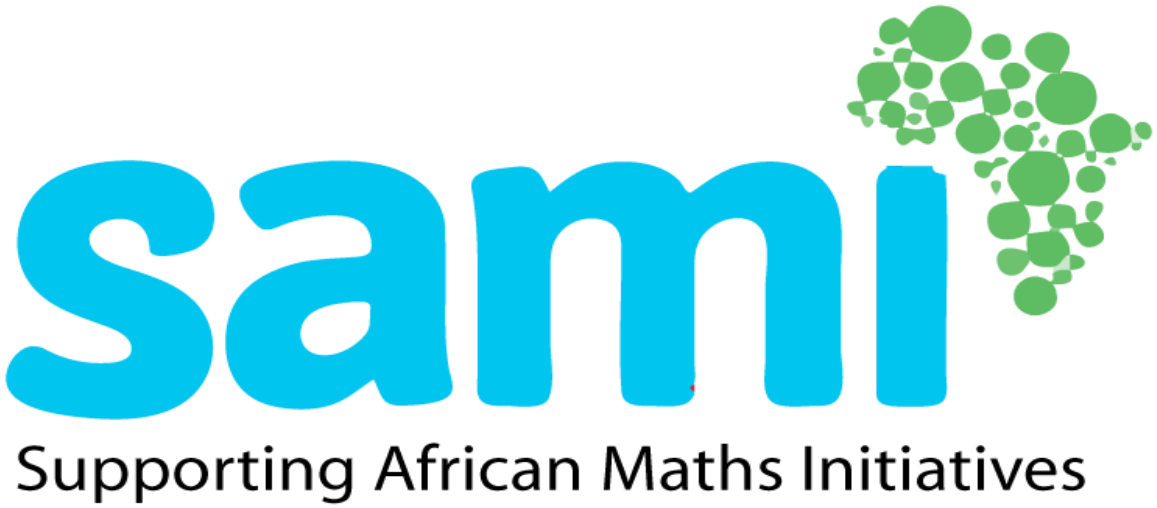


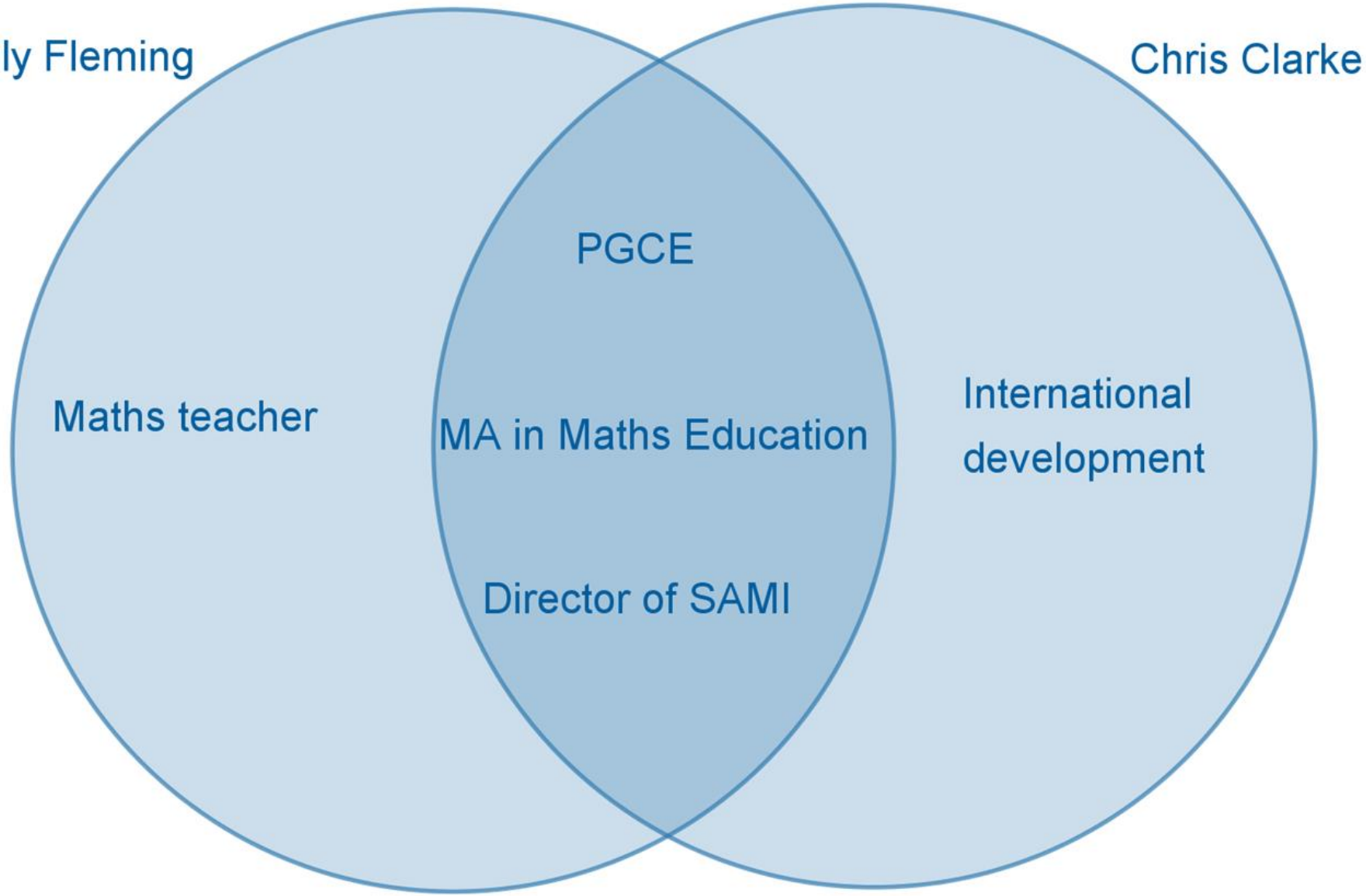
INSPIRING IDEAS FOR MATHS CLUBS

https://samicharity.co.uk/bcme

Plan for session

- Do some maths!
- Experiences working Kenya
- What this could mean in your school
- Do some more maths!
- Takeaways

Who are we?


Emily Fleming
Chris Clarke
PGCE
Maths teacher
MA in Maths Education
International development
Director of SAMI

Supporting African Maths Initiatives

Supporting African Maths Initiatives

Access to and quality of mathematics education in Africa.

We lend our funding and expertise to local grassroots initiatives

UK based charity, founded in 2013 initially to support a Kenyan NGO (AMI) but with broader long term aims.

Example projects

MATHS CAMPS

Week-long camps of games, puzzles and activities to inspire students outside the curriculum

MATHS CLUBS

Student-led activities to run in schools to promote a joy of maths throughout the year

DIGITAL COMMUNITIES INITIATIVE

Using technology to improve livelihoods throughout entire communities

AFRICAN DATA INITIATIVE

Open software being developed in Africa to help people make better use of data

Maths Camps and Clubs in Africa

70 Schools

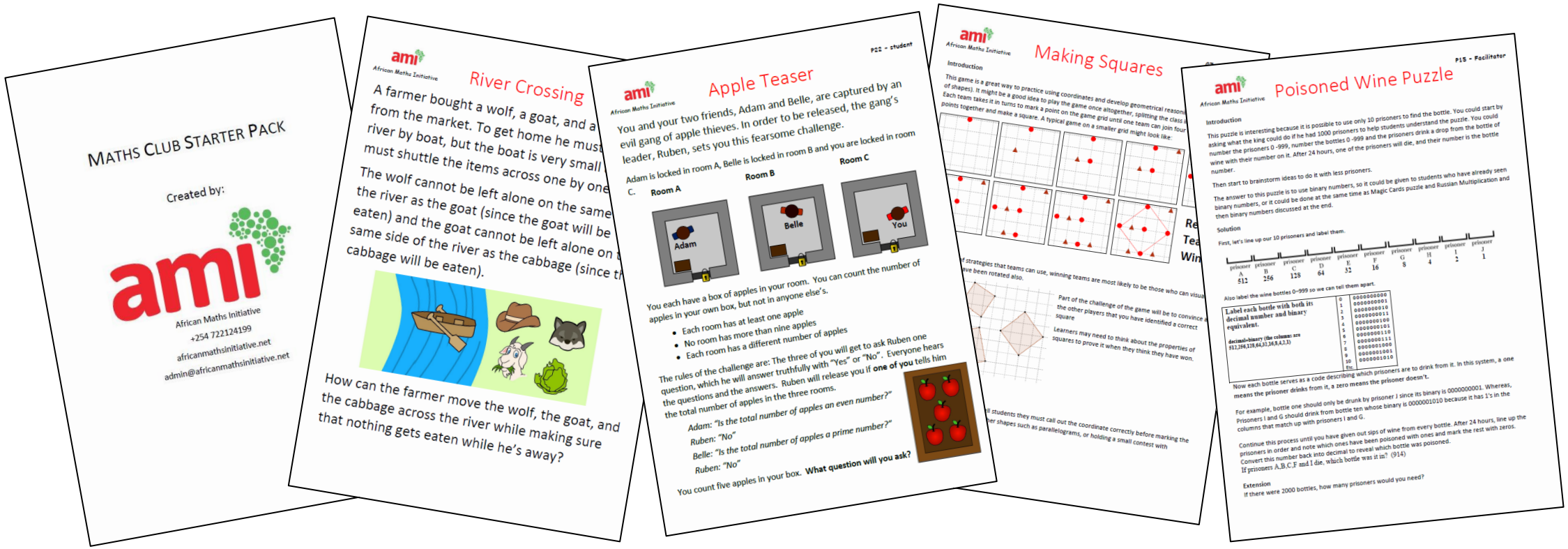
8 Universities

5 Countries

Maths Club Model

- Student Led
- Extra Curricular
- Inclusive
- Supported by local team

Maths Clubs Pack

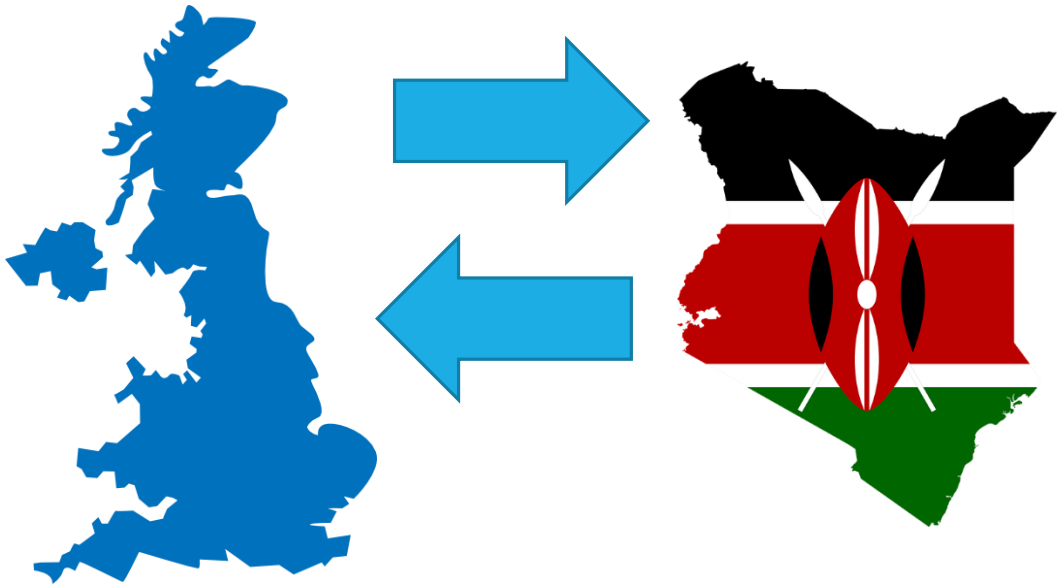


Maths Club in the UK

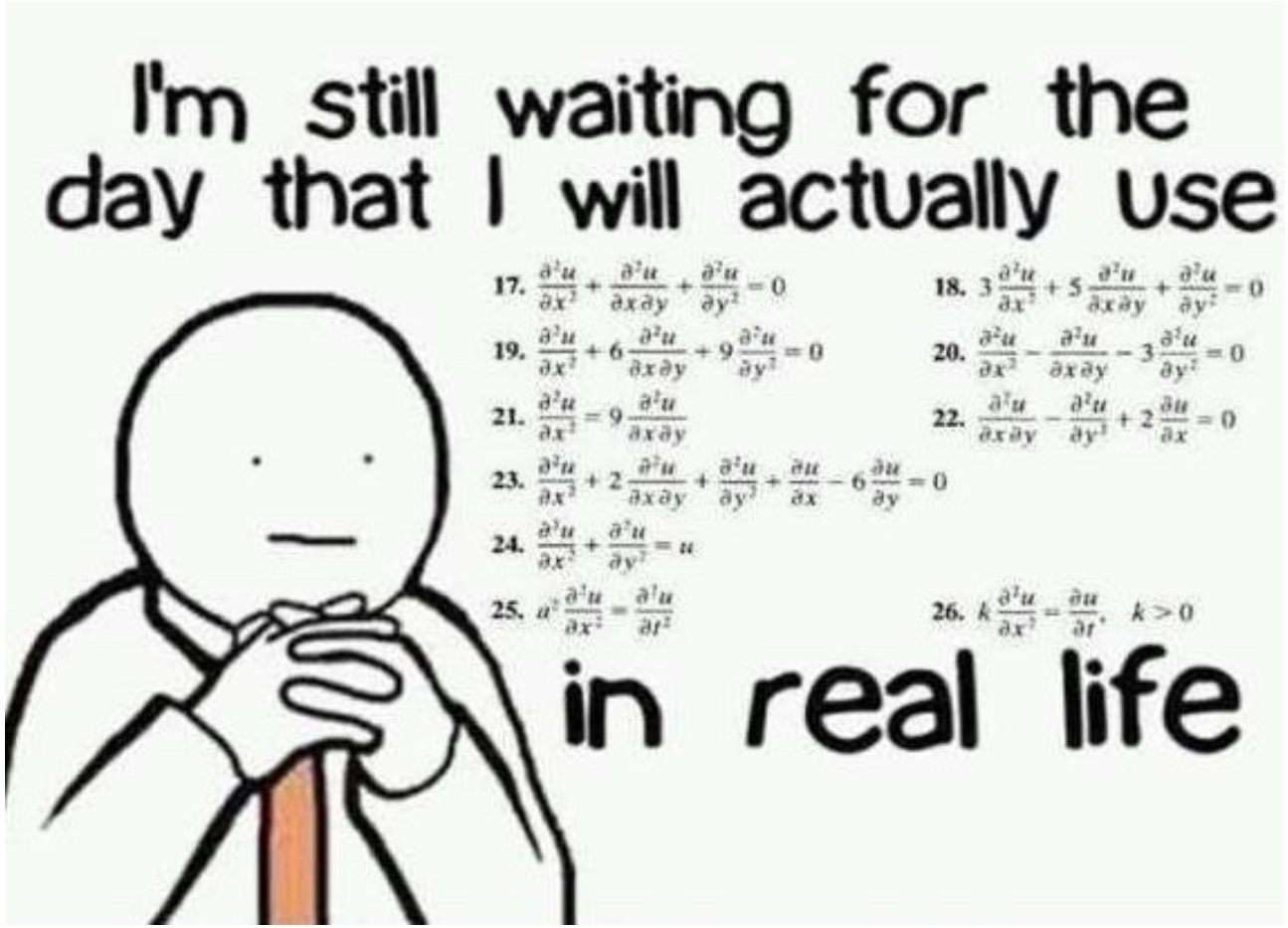
Working with inspiring people from different countries

Now run a successful club at own school

lycee.samicharity.co.uk



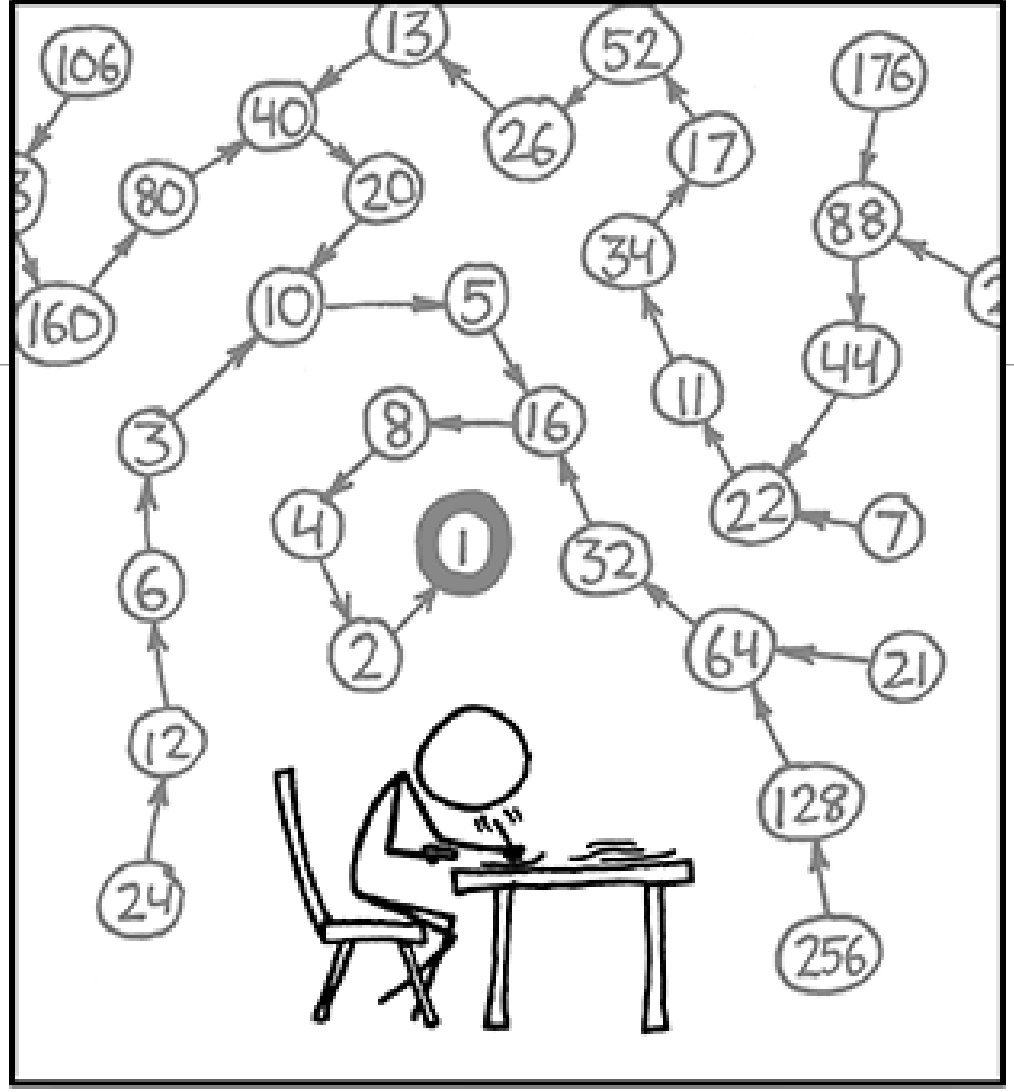
Time for some more maths!



Collatz Conjecture

- Think of a positive integer
- If it is even, halve it
- It if is odd, multiply by 3 and add 1
- Repeat this process with your new number
- Keep going, but stop if you get to the number 1

samicharity.co.uk/bcme



THE COLLATZ CONJECTURE STATES THAT IF YOU PICK A NUMBER, AND IF IT'S EVEN DIVIDE IT BY TWO AND IF IT'S ODD MULTIPLY IT BY THREE AND ADD ONE, AND YOU REPEAT THIS PROCEDURE LONG ENOUGH, EVENTUALLY YOUR FRIENDS WILL STOP CALLING TO SEE IF YOU WANT TO HANG OUT.

Takeaways

Ways to get involved

- Share a problem
- Start a maths club and collaborate
- Come to a maths camp
- Donations and sponsorship

International puzzle

Using lycee.samicharity.co.uk to work on problems together in Kenya and London

Next puzzle launches on 23rd of April

3 weeks to try puzzle and post ideas/answers/computer programs online

Thank You very much!

Supporting African Maths Initiatives
http://www.supportingami.org

A big bunch of links

Supporting African Maths Initiatives
http://www.supportingami.org

Staying in touch

Email
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Presentation
https://samicharity.co.uk/bcme