

# IF YOU ENJOYED STUDYING REASONING AND PROOF, WHY DON'T YOU...?

WHY DON'T YOU...?

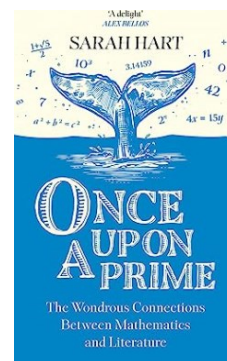
## Watch this: The Story of Mathematical Proof

Discover the surprising history of proof, a mathematically vital concept.



## Read this: Once Upon a Prime

We often think of mathematics and literature as polar opposites. But what if, instead, they were fundamentally linked?



## Log onto this: Proof Sorter

<https://nrich.maths.org/1394>

Sort the quadratic equation proof from completing the square to the quadratic formula

$$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$

## Do this: Square LCM

<https://nrich.maths.org/6763>

Can you use the knowledge of HCF and LCM to calculate the numbers?

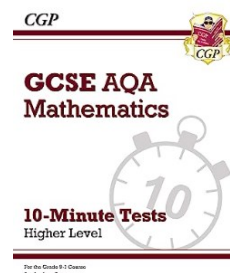


## Revise from this:

Higher: <https://tinyurl.com/10minhigher>

Foundation:

<https://tinyurl.com/10minfoundation>



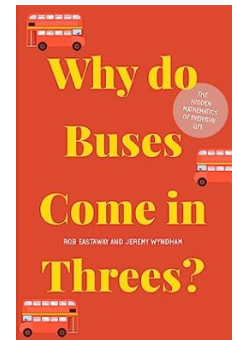
# IF YOU ENJOYED STUDYING INEQUALITIES AND GRAPHS, WHY DON'T YOU...?

WHY DON'T YOU...?

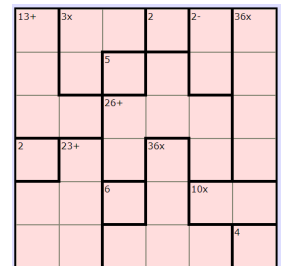
**Watch this: Hidden Figures**  
 This film tells the story of Black women who work at Langley Aeronautical Laboratory in Hampton, Virginia, starting in the early 1940s.



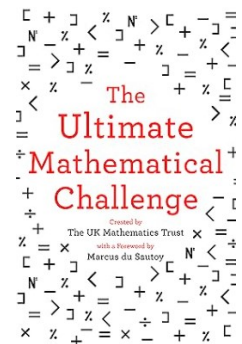
**Read this: Why do Buses Come in Threes?**  
 An entertaining guide to how maths is relevant to our everyday lives.



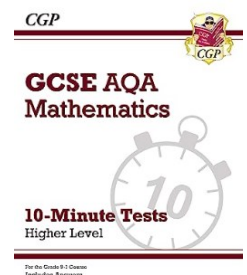
**Log onto this: Mathdokus**  
<https://nrich.maths.org/15103>  
 Can you solve these Mathdokus? Try to solve them all.



**Do this: Challenge**  
[www.tinyurl.com/UKMTUltimate](http://www.tinyurl.com/UKMTUltimate)  
 Use this book to challenge yourself with many different problems.



**Revise from this:**  
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 Foundation: <https://tinyurl.com/10minfoundation>



# IF YOU ENJOYED STUDYING **GRAPHS**, WHY DON'T YOU...?

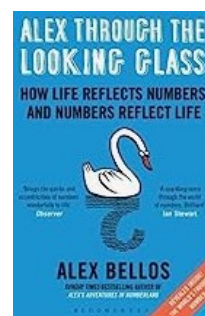
WHY DON'T YOU...?

## *Watch this: Hidden Figures*

This film tells the story of Black women who work at Langley Aeronautical Laboratory in Hampton, Virginia, starting in the early 1940s.

## *Read this: Alex Through the Looking Glass*

Alex Bellos takes us on a tour through history and across the globe, delving deep into the amazing maths that surrounds us all.



## *Log onto this: Mathdokus*

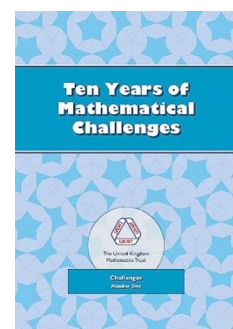
<https://nrich.maths.org/15103>

Can you solve these Mathdokus? Try to solve them all.

## *Do this: Challenge*

<https://tinyurl.com/10yearsUKMT>

Use this book to challenge yourself with many different problems.

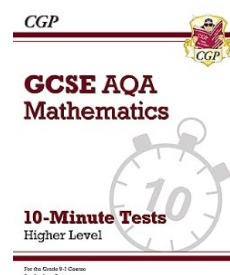


## *Revise from this:*

Higher: <https://tinyurl.com/10minhigher>

Foundation:

<https://tinyurl.com/10minfoundation>



# IF YOU ENJOYED STUDYING FUNCTIONS, WHY DON'T YOU...?

WHY DON'T YOU...?

## *Watch this: Hidden Figures*

This film tells the story of Black women who work at Langley Aeronautical Laboratory in Hampton, Virginia, starting in the early 1940s.

## *Read this: The Joy of X*

Steven Strogatz takes his readers on a tour of the numbers that form a fascinating and integral part of our everyday lives.

## *Log onto this: Mathdokus*

<https://nrich.maths.org/15103>

Can you solve these Mathdokus? Try to

## *Do this: Challenge*

<https://tinyurl.com/10yearsUKMT>

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Foundation:

<https://tinyurl.com/10minfoundation>

