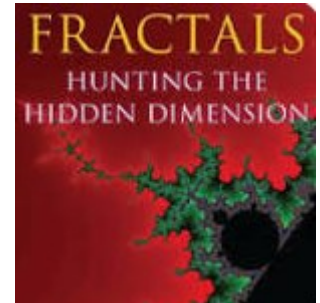


IF YOU ENJOYED STUDYING INDICES, WHY DON'T YOU...?

WHY DON'T YOU...?

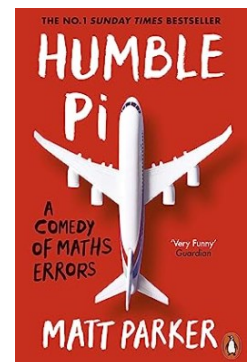
Watch this: Fractals: Hunting the Hidden Dimension

Viewers are taken on a fascinating quest with a group of maverick mathematicians determined to decipher the rules that govern fractal geometry.



Read this: Humble Pi

Kyle D Evans presents over 50 head-scratching conundrums with background information, explanations and solutions to similar problems - in a humorous, accessible and inclusive manner.



Log onto this: Surds

<https://nrich.maths.org/620>
Find the exact values of x, y and a.

$$a \times \sqrt{b} = a\sqrt{b}$$

$$\sqrt{b} \times \sqrt{b} = b$$

$$\sqrt{a} \times \sqrt{b} = \sqrt{ab}$$

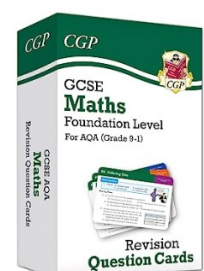
Do this: Negative Power

<https://nrich.maths.org/5873>
Can you use these negative numbers to find the highest and lowest answer?

$$\left((-4^{-3})^{-2}\right)^{-1}$$

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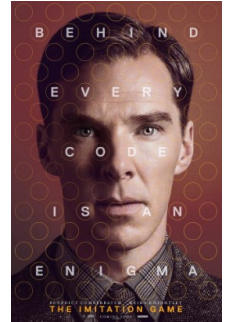


IF YOU ENJOYED STUDYING PROBABILITY, WHY DON'T YOU...?

WHY DON'T YOU...?

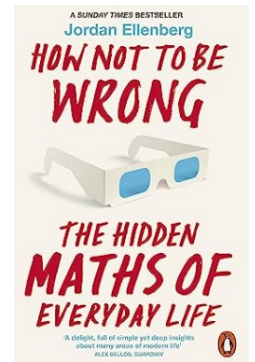
Watch this: *The Imitation Game*

During World War II, mathematician Alan Turing tries to crack the enigma code with help from fellow mathematicians.



Read this: *How Not to be Wrong*

Jordan Ellenberg shows how we can all use maths to become better thinkers.

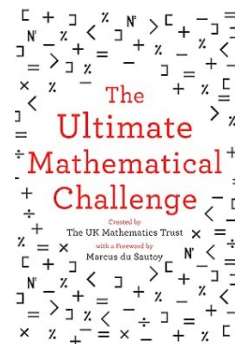


Log onto this: *Same Number!*

<https://nrich.maths.org/samenumber>
This page explains the probability of choosing the same number depending on how many people there are.

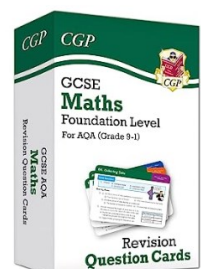
Do this: *Challenge*

www.tinyurl.com/UKMTUltimate
Use this book to challenge yourself with many different problems.



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IF YOU ENJOYED STUDYING ALGEBRA, WHY DON'T YOU...?

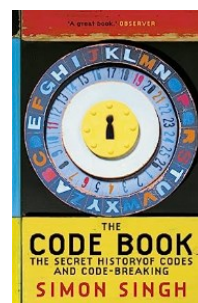
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During World War II, mathematician Alan Turing tries to crack the enigma code with help from fellow mathematicians.

Read this: The Code Book

The Code Book is a history of man's urge to uncover the secrets of codes, from Egyptian puzzles to modern day computer encryptions.



Log onto this: Same Number!

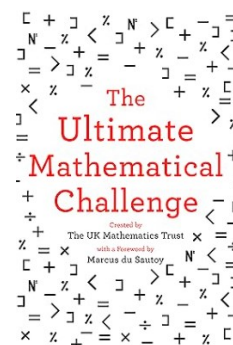
<https://nrich.maths.org/samenumber>

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IF YOU ENJOYED STUDYING GEOMETRY, WHY DON'T YOU...?

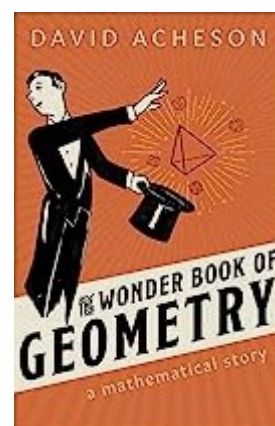
WHY DON'T YOU...?

Watch this: The Imitation Game

During World War II, mathematician Alan Turing tries to crack the enigma code with help from fellow mathematicians.

Read this: The Wonder Book of Geometry

David Acheson offers a highly illustrated tour of geometry, from ancient Greece to the present day, packed with elegant deductions and wide applications.



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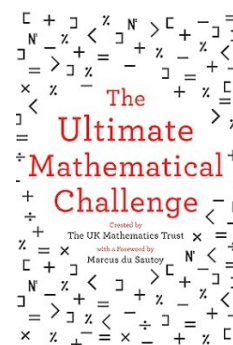
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IF YOU ENJOYED STUDYING SIMILARITY, WHY DON'T YOU...?

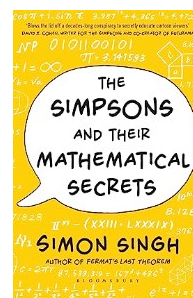
WHY DON'T YOU...?

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During World War II, mathematician Alan Turing tries to crack the enigma code with help from fellow mathematicians.

Read this: The Simpsons and Their Mathematical Secrets

Simon Singh explains how the brilliant writers have smuggled in mathematical jokes

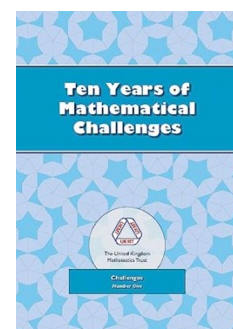


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IF YOU ENJOYED STUDYING DATA, WHY DON'T YOU...?

WHY DON'T YOU...?

Watch this: The Imitation Game

During World War II, mathematician Alan Turing tries to crack the enigma code with help from fellow mathematicians.

Read this: Hello World

Hannah Fry takes us on a tour of the good, the bad and the downright ugly of the



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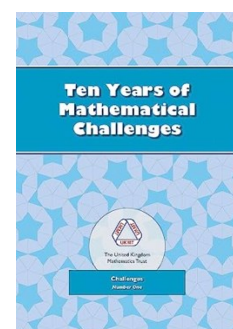
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