

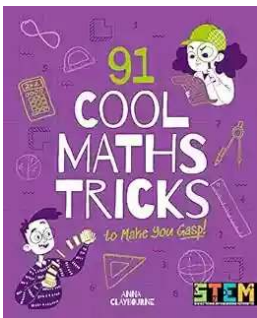
# 91 Cool Maths Tricks To Make You Gasp

Mathematics is a subject that can make some people break out in a cold sweat, while others find it exhilarating and fascinating. No matter which category you fall into, there's no denying the beauty and intrigue behind numbers and their endless possibilities.

In this article, we will explore 91 cool math tricks that are bound to make you gasp in awe. From mind-boggling mental calculations to clever tricks and shortcuts, you'll find it all here. So, grab your thinking cap and let's dive into the world of mind-blowing mathematics!

## The Magic of Numbers

1. Prime Pair Trick: Take any single-digit number and multiply it by 9. The resulting number will have a pattern where its digits add up to 9.



## 91 Cool Maths Tricks to Make You Gasp!

by Alina Owais(Kindle Edition)

★★★★☆ 4.5 out of 5

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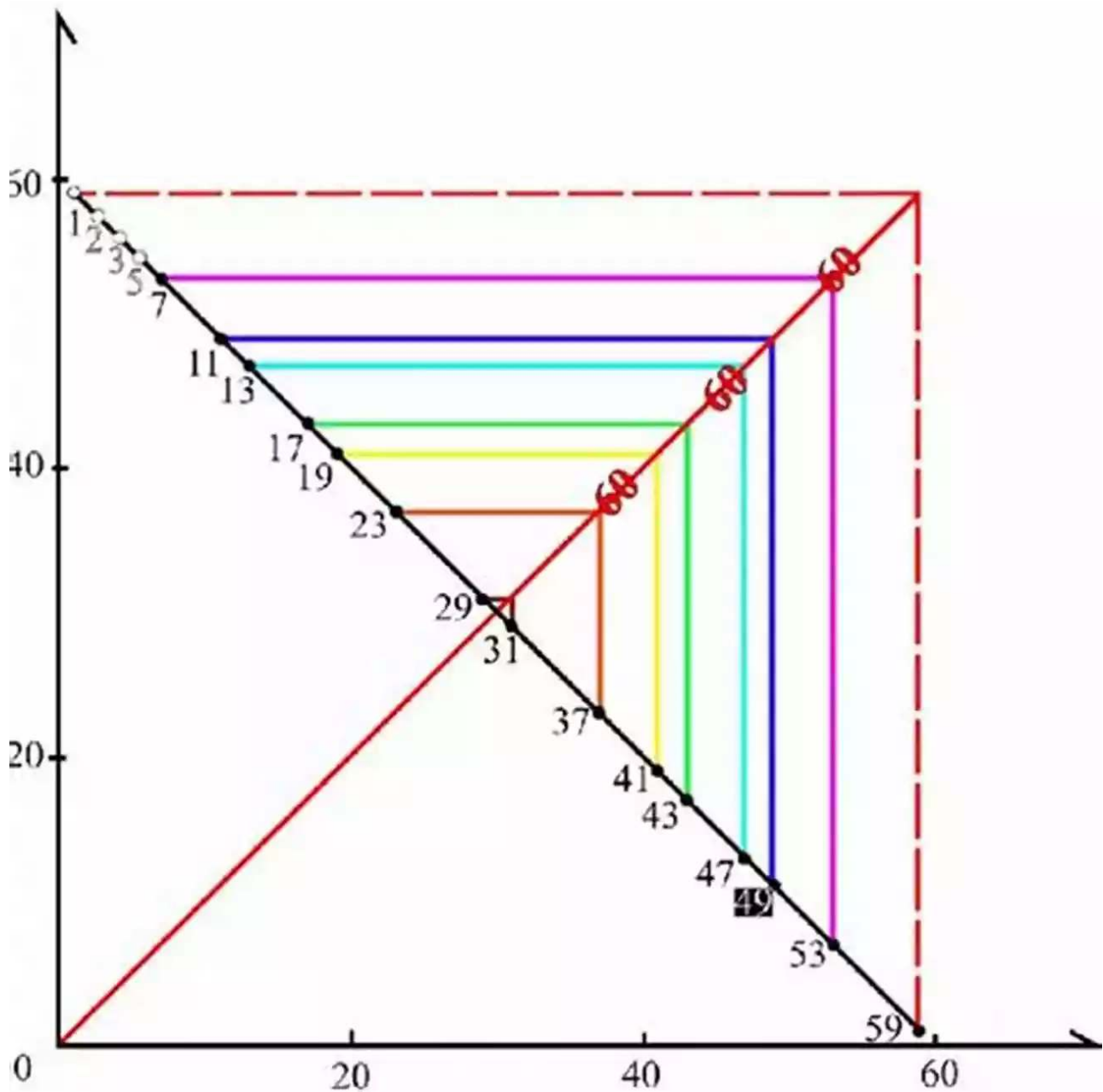
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2. Fibonacci Sequence: The Fibonacci sequence is a series of numbers in which each number is the sum of the two preceding ones. This sequence has fascinating properties and can be found in various natural and man-made phenomena.

3. The Golden Ratio: The golden ratio, often represented by the symbol  $\phi$ , is an irrational number with unique mathematical properties. It is approximately equal

to 1.61803398875 and can be found in various forms of art, architecture, and nature.

## **Mental Math Mastery**

4. Lightning Fast Multiplication: Learn how to multiply two-digit numbers mentally without the need for a calculator. Impress your friends with your lightning-fast calculations!

5. Square Numbers Trick: Discover a simple trick to quickly calculate the square of any two-digit number in your head.

6. Magic of Number 9: Explore the fascinating properties of the number 9 and how it can be used to perform amazing mental math tricks.

## **Puzzles and Paradoxes**

7. Monty Hall Problem: Delve into the infamous Monty Hall problem and learn why your initial intuition can often lead you astray.

8. The Two Envelopes Problem: Uncover the mind-bending paradox of the two envelopes and the dilemma it presents.

9. Zeno's Paradox: Explore Zeno's paradoxes and wrap your head around the concept of infinity and its relationship with mathematics.

## **Geometry Wonders**

10. Pythagorean Theorem: Discover the power of the Pythagorean theorem and how it can be used to solve various geometric problems involving right triangles.

11. Fractals: Delve into the mesmerizing world of fractals and their endlessly intricate patterns.

12. The Game of Life: Explore John Conway's Game of Life, a simple mathematical model that showcases complex emergent behavior.

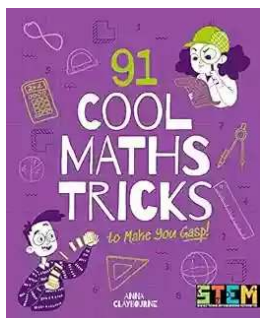
## Number Games and Fun Challenges

13. Sudoku: Test your logical thinking skills with a game of Sudoku and uncover strategies to help you solve even the most challenging puzzles.

14. Rubik's Cube: Step up your puzzle-solving game with the Rubik's Cube and discover the mathematical principles behind it.

15. Tower of Hanoi: Challenge yourself with the legendary Tower of Hanoi puzzle, whose solution relies on mathematical principles.

These are just a taste of the 91 cool math tricks you'll find in this article. Prepare to be amazed and gain a newfound appreciation for the world of mathematics!



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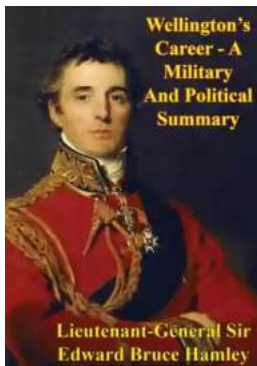
This is no ordinary boring math book. Young readers will love this incredible compendium of mind-blowing facts, experiments and fun, interactive activities.

Written by award-winning science writer Anna Claybourne, this inspiring book promotes STEM learning with a twist and is ideal for children having trouble learning math. Readers can rediscover subjects such as geometry, statistics, and measurement in a completely new light, learning time-saving tips and tricks for common math problems. Whoever new that math could be this much fun?

Includes:

- Using math to create uncrackable codes.
- Exploring weird numerical patterns. (Did you know that  $11111111 \times 11111111 = 123456787654321$ ?)
- Discovering the secrets of mathematical mind-reading.

This brain-boosting book is presented in a neat format with rounded corners and colour illustrations. Featuring a glossary of key terms, it promotes functional problem solving and builds confidence in math. Perfect for readers aged 8+.



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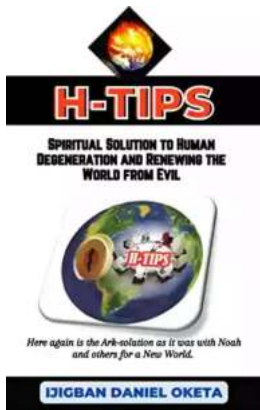
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