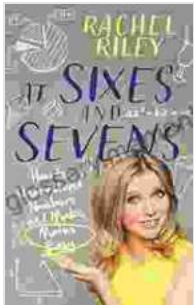


# Numbers and Maths Made Easy: A Comprehensive Guide



## At Sixes and Sevens: How to Understand Numbers and Make Maths Easy: Numbers and Maths Made Easy

by Rachel Riley

★★★★☆ 4.4 out of 5

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File size : 14313 KB  
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Print length : 385 pages



Mathematics is the science of numbers and their operations. It is a universal language that can be used to describe the world around us. Maths is used in every field of human endeavor, from science and engineering to business and finance. It is also an essential tool for everyday life, from balancing a checkbook to calculating a tip.

If you're struggling with maths, don't worry. You're not alone. Maths can be a challenging subject, but it is also one of the most rewarding. With a little effort, you can master the basics of numbers and maths and open up a whole new world of possibilities.

## The Basics of Numbers

The first step to understanding maths is to understand the basics of numbers. Numbers are symbols that we use to represent quantities. The most basic numbers are the natural numbers, which are the numbers 1, 2, 3, 4, and so on. Natural numbers are used to count things.

In addition to natural numbers, there are also whole numbers, integers, rational numbers, and irrational numbers. Whole numbers are the natural numbers plus 0. Integers are the whole numbers plus the negative numbers. Rational numbers are numbers that can be expressed as a fraction of two integers. Irrational numbers are numbers that cannot be expressed as a fraction of two integers.

## **The Basic Operations of Maths**

The four basic operations of maths are addition, subtraction, multiplication, and division. Addition is the process of combining two or more numbers to get a total. Subtraction is the process of taking one number away from another. Multiplication is the process of multiplying two numbers together to get a product. Division is the process of dividing one number by another to get a quotient.

## **Algebra**

Algebra is the branch of maths that deals with variables. Variables are symbols that represent unknown numbers. Algebra can be used to solve equations and inequalities, which are statements that two expressions are equal or not equal.

## **Geometry**

Geometry is the branch of maths that deals with shapes and their properties. Geometry can be used to solve problems involving the area,

perimeter, and volume of shapes.

## **Calculus**

Calculus is the branch of maths that deals with change. Calculus can be used to solve problems involving the rate of change of a function, the area under a curve, and the volume of a solid.

## **Statistics**

Statistics is the branch of maths that deals with data. Statistics can be used to collect, organize, and analyze data to make informed decisions.

## **Probability**

Probability is the branch of maths that deals with the likelihood of events happening. Probability can be used to make predictions about the future, such as the probability of winning a lottery or the probability of getting sick.

## **Trigonometry**

Trigonometry is the branch of maths that deals with the relationships between the sides and angles of triangles. Trigonometry can be used to solve problems involving the height of a building, the distance to a star, or the trajectory of a projectile.

Maths is a vast and complex subject, but it is also one of the most important. Maths is used in every field of human endeavor, and it is an essential tool for everyday life. With a little effort, you can master the basics of numbers and maths and open up a whole new world of possibilities.

## **Additional Resources**

- Khan Academy
- Math is Fun
- IXL
- Education.com
- Brighterly



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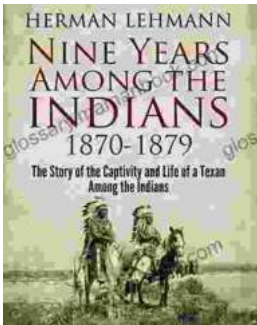
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