

BEYOND THE CLASSROOM: USING MATHEMATICS IN OUR EVERYDAY LIFE

by:

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Mathematics has always been a cornerstone of human progress, driving innovations and deepening our understanding of the universe. From ancient civilizations to the modern era, mathematical principles have unlocked mysteries and paved the way for societal advancements.

Throughout history, mathematics has been the foundation for countless innovations and inventions. In ancient Babylonia, around 2000 BC, the development of a place value notation system with a base of 60 allowed for the representation of large numbers and fractions, facilitating more complex calculations and record-keeping.

Mathematicians' contributions have been pivotal in various fields. Leonhard Euler, one of history's greatest mathematicians, made significant discoveries in calculus, analysis, and graph theory, among other areas. His work laid the groundwork for many modern scientific and engineering applications.

In more recent times, mathematical innovations have led to the development of technologies that define our daily lives. For instance, the algorithms that power search engines and enable efficient data processing are rooted in complex mathematical theories. These advancements have transformed how we access and interact with information, showcasing the profound impact of mathematics on technology.

However, beyond theoretical applications, mathematics is also deeply embedded in our daily routines, often in ways we might not immediately recognize. Personal finance, budgeting, managing expenses, and making informed financial decisions, all rely

on basic arithmetic and an understanding of percentages. Even in cooking, where recipes require precise measurements, often involving fractions and conversions. Athletes and coaches use on to analyze performance statistics and improve strategies, utilizing averages and probabilities. Ultimately, tasks that involve and engage our logical thinking and problem-solving skills are rooted in Mathematics.

While we may not always be conscious of it, mathematical concepts and theories developed over centuries form the backbone of contemporary society. From the infrastructure of our cities to the digital networks that connect us, mathematics is the invisible thread weaving through the fabric of our daily lives. Recognizing and appreciating the role of mathematics not only honors its historical significance but also inspires continued learning and application in our ever-evolving world.

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