

**According to you  
what is mathematics  
and geometry**

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## Thanks

Definitions, phrases and descriptions that form the basis for this book are produced from answers that take from approximately 1000 students that posed the questions as "what is mathematics" and "what is geometry". On this occasion I would like to thank all the students who contributed.

In addition, thank you very much to Miss Selime SOYUÇOK in for their support of the study of English sentence structures.

This book is dedicated my all students

## Preface

Dear Readers, this booklet in your hand is a popular reading book that is not a textbook. I tried to reflect to the imagination worlds of the students to you by means of this booklet with questions as "what is mathematics" and "what is geometry" . Therefore, the study which forms the basis of the booklet is survey which applicated to students in the fact. Therefore, in the content of the booklet you will find important details about students. Because, people necessarily reflect to their soul world who tell something. when the answers received are examined, being a mathematician and also a geometer I observed to contain accurate opinions up to 100%. Of course, everyone may not

participate in my opinion. Mathematics and Geometry by means of descriptions in the booklet, what is, what works, what kind in jobs can be used and also I believe to be a remedy to those who have Mathematics and Geometry phobic. The many mysterious secrets and details about Mathematics and Geometry are waiting for you. I hope that you will benefit from enough.

With my the best wishes...

## Contents

Thanks .....	iii
Preface .....	v
Contents .....	vii
First Chapter.....	1
What is Mathematics?.....	1
1.1 Mathematics, what does it mean for students studying in naturel sciences? .....	2
1.2. Mathematics, what it refers to students studying in Social Sciences? .....	51
Second Chapter .....	67
What is Geometry?.....	67
2.1 Geometry, what does it mean for students studying in the naturel sciences?.....	68
2.2. Geometry, what does it mean for students studying in social sciences?.....	81

## **First Chapter**

### **What is Mathematics?**



## 1.1 Mathematics, what does it mean for students studying in natural sciences?

is life.

&&&

is system of thought.

&&&

is to endure.

&&&

Difficult but is a beautiful endeavor.

&&&

is to look at from different windows.

&&&

is the set of rules.

&&&

is an art.

&&&

is a tasteful fatigue.

&&&

is to dance by means of numbers.

&&&

is compass that broadens the people's horizons, the ideas and gives direction to their lives.

&&&

is the art of handling to the minds the world with all aspects.

&&&

is reflection in concrete terms of the abstract world.

&&&

is to evaluate to the remotest lives going heights.

&&&

is answer of the questions in our minds.

&&&

is meaning of life.

&&&

is an elixir that gives power of self-development, interpretation and the research.

&&&

is to make brain exercise.

&&&

is to travel in the veins of life.

&&&

is the art of being in love to numbers.

&&&

is a tool that expands the person's inner world and horizon and triggered to thinking at the same time.

&&&

is the formation of a passion.

&&&

is to hesitate.

&&&

is a way of life that teaches to think differently.

&&&

is the main vein that goes into the each loop.

&&&



is to examine their lives.

&&&

is substructure of the body, the brain and  
the speech.

&&&

is an inexhaustible science.

&&&

is the world of numbers.

&&&

is a large system.

&&&

is the basic structure that provides to  
emerge to all natural and engineering  
sciences

&&&

is infinity

&&&

is the only tool that reflects to think realistic.

&&&

is a factor that teaches to work different of our brain and to use the different parts of its

&&&

is a branch that pushes thinking the people and develops their life-force.

&&&

is to live consciously.

&&&

is the tool as well as the objective.

&&&

is to find solution between cause and  
effect relations.

&&&

is the art of thinking.

&&&

is a passion.

&&&

is to calculate relations with each other  
of the object and shapes.

&&&

is one way of thought.

&&&

is a creature who lives together with  
human.

&&&

is a science that teaches to think quick  
the human.

&&&

is a system involving processes as  
intuition, imagination and inductive  
thought.

&&&

is chain of the logical events.

&&&

is a process that generated to be mental  
by human.

&&&

is a operation in an order of the  
environment, life and human .

&&&

is a collection of numbers.

&&&



are account informations we need in every  
area in daily life.

&&&

is a tool among people.

&&&

is mirror that reflects to us the secrets  
of the universe.

&&&

is a tool that improves the thinking ability of human.

&&&

are concepts.

&&&

is a system that occurs hypothesis and assumptions but does not base on the experiment.

&&&

is a great need although the tool in daily life.

&&&

is a common language of numbers, hypothesis and assumptions.

&&&

is to use the brain.

&&&

is one of the supplies that provides to  
hang on to life of people .

&&&

is everything.

&&&

is one of essential parts of life.

&&&

is the literature of the numbers.

&&&

is a serious science that is as old as life and develops together with life and also shows a parallel development with the history of humanity.

&&&

is a miracle that can not be overestimated used in every area .

&&&

is the existence and a form of self-discovery.

&&&

is a mechanism that links the each other the theories logically.

&&&

is an event that makes the life quite easy.

&&&

is to play game with numbers.

&&&

is fun and enjoyable endeavor.

&&&

is a science that has rules and the exact results.

&&&

is an element that gets involved in most field of our lives.

&&&

is a tool that gains the ability to problem-solving by means of rules.

&&&

is the main vein that gives life to numbers.

&&&



is a science that teaches solving all the problems we encounter in life.

&&&

is a strong evidence telling us about the universe and its owner.

&&&

is a tool that provides meaning the life.

&&&

is a password that gives the power of solving the problems.

&&&

is a version that expressed with the symbols of life.

&&&

is the freedom to express himself in this complex world.

&&&

is a guide who meets us in everywhere,  
shows us the way and illuminates our way.

&&&

is the source of life that according to  
levels of people presents different in  
different tastes.

&&&

In one aspect, is the personality, is the  
character.

&&&

is that teaches the use of our powers of  
thought on the subject.

&&&

Those who are loyal, is a faithful friend.

&&&

is the life elixir to the those of thirsty in  
the desert.

&&&

is a teacher that teaches a new something  
on every day in school of life.

&&&

is the basic element that efforts for  
abstraction discovering the existence's  
purpose of the mankind

&&&

is the only fact of life.

&&&

is proof of the order that exists in the universe.

&&&

is to examine until the details of everything.

&&&

is the most effective tool that provides realistic thought.

&&&

a mental idea that eases life improving  
people's brain and gives them peace of  
mind.

&&&

is an excellent software of universe.

&&&

is an effort to achieve the result

&&&

is a single fact that does not lie in current  
temporary life

&&&

is a tree that old, well-established,  
robust, gradually evolving and looks like no  
tilt.

&&&

is the key of thinking and understanding .

&&&



is to connect with it capturing the  
abstract beyond the appearing  
concreteness of numbers and operations

&&&

is a science that describes the life by  
means of numbers.

&&&

is one of the stable cornerstones of our  
lives.

&&&

is a science that goes infinity.

&&&

is to speak with the language of animate and inanimate beings.

&&&

is a logical explanation of all events we live in.

&&&

is the common language for everyone.

&&&

Until the death of human's creation, until  
doomsday of the creation of the  
universe's creation, is infrastructure of  
the human body, the brain and the speech.

&&&

is life spring for the human.

&&&

is instrument that opens horizon of human  
and develops the spirit.

&&&

is a light that illuminates the dark spots.

&&&

is the ship that we ride into explore this  
world.

&&&

is the biggest factor that provides to complete personal development of the human.

&&&

is an instinct reminding why, how and why questions to the humans.

&&&

is to play the game with the numbers in of certain rules.

&&&

To reveal the wonders of the universe, is the most important tool being required.

&&&

is the system that describes everything in the universe and reaches a conclusion.

&&&

is to make account.

&&&

is the language of physics and nature.

&&&

is a collection of numbers and equations.

&&&

is a science branch that deals with numbers.

&&&

is a discipline that develops the brain,  
provides to solve easily the problems  
encountered and provides analytical  
thinking.

&&&

is sub-structure of many science fields.

&&&

is a need used in all areas of our lives.

&&&



is a science developing the human's horizon.

&&&

is an instructor who teaches to look at from different angles.

&&&

is a set of theorem, proof and problems.

&&&

is an endeavor that develops our intelligence and ability.

&&&

is compass.

&&&

is a horizon that develops our comment strength and opens different windows to understand each other

&&&

is itself of life.

&&&

is a device that provides logical thinking.

&&&

is a scientific and rational way that establishes a relationship between numbers and shapes and also interprets.

&&&

is the journey between numbers.

&&&

Is a tool used both to obtain of  
information and to supervise.

&&&

is to understand the critter.

&&&

is accuracy.

&&&

the roads seemingly dead-end, is a beacon  
that is light of hope.

&&&

is a spring that feeds not only natural  
sciences but also the social sciences.

&&&

is a tool used in every area of life.

&&&

is the art to play game with numbers.

&&&

is a mechanism that illuminates events  
since the occurrence of the world.

&&&

are abstract and concrete ways out that human beings have developed to solve the problems faced and problems going the way to the goals and objectives.

&&&

is theory of numbers.

&&&

is a set of concepts both abstract and concrete.

&&&

is philosophy of life.

&&&

is a universal language.

&&&

collecting the datas, is an attempt to reach a solution of problem.

&&&



is a deal enjoyable and fun.

&&&

is art of account-making, planning and  
problem-solving.

&&&

## 1.2. Mathematics, what it refers to students studying in Social Sciences?

is reflection to the process of life.

&&&

is impulse to gain the ability to problem-solving.

&&&

is an important player in regulating the society life and way of life.

&&&

is an element to make easier to life of the community.

&&&

is a real novel that constructed in a real way and given direction to human life.

&&&

is an attempt to bring a level more livable of social life

&&&

is a language.

&&&

is a science that enriches the human's the daily life, the future, dream and the imagination.

&&&

is a system that provides the development and technological progress directing our lives.

&&&

is a science that develops dreams of the human being and provides the rise.

&&&

is an important factor that provides shaping of life in the future.

&&&

is the most important science that people can be used to overcome the limits of life.

&&&

is an indispensable part of our lives.

&&&

is a kind mandatory requirement.

&&&

is a form of expression by means of the numbers of the life.

&&&

is an essential element for a better quality of life.

&&&

is a state that words are transformed into numbers.

&&&

is one of the fundamental building blocks of life.

&&&

is the main of the positive sciences.

&&&

is a glazed elixir that adds intellectual and vital features to human life.

&&&

is an entity that gives abstract powers as attention, consciousness, power and wisdom.

&&&



is the logic of life.

&&&

is arena where made of gymnastic of the  
brain.

&&&

is the reality.

&&&

is eternity

&&&

is a system that exists always in our life.

&&&

is a series of numbers.

&&&

a puzzle that makes brainstorming.

&&&

is a guide that encourages analytical thinking as the most versatile to the people.

&&&

is a constant part of our lives.

&&&

is brain development tool.

&&&

an instructor who prepares us to life and teaches life.

&&&

is a tool that makes life easier, satisfies people's needs and solves the problems.

&&&

a device that makes easy to difficult,  
close to far short to the long, etc..

&&&

is a supreme power playing a major role  
that win-loss of wars, the establishment-  
destruction of states, facilitating-  
complicating of life.

&&&

is our life friend.

&&&

is a game that played by means of numbers and signs.

&&&

is riddles in our lives.

&&&

is an essential endeavor existing from the beginning of human history and in human life.

&&&

is a life-water that gives life the economy that attached to the development of human civilization.

&&&

is an important tool in formation of systems, institutions and structures throughout human history.

&&&

is the secret of successes.

&&&

a science that in fact, that has been around since the early days of humanity, but human beings discovered much later.

&&&

is a science that is the front foot of human development, the development and accomplish great things.

&&&

is the essence of man.

&&&



is one of essential elements that a Nation makes the nation.

&&&

is a friend that preaches to balanced act keeping at the forefront of intelligence in conditions of life of all kinds.

&&&

is a building block that forms the basis of the universe.

&&&

is a football match that x-and y-teams play.

&&&

## **Second Chapter**

### **What is *Geometry*?**

## 2.1 Geometry, what does it mean for students studying in the natural sciences?

is to imagine.

&&&

is all the shapes that are meaningful and meaningless.

&&&

is the reflection to shapes of the mathematical measures.

&&&

is a phenomenon that has spread over all of life.

&&&

is a tool that develops people's imagination and thought system.

&&&

is to look at from space to the world which we want to explore.

&&&

is one part of mathematics, a brother of  
mathematics.

&&&

is a puzzle.

&&&

is to see the details that no one saw or  
did not notice.

&&&

is a set of the lines.

&&&

is to reflect with shapes our imagine  
world.

&&&

is art of the visual.

&&&

is life philosophy that brings a different perspective.

&&&

is filter that clever people separate from other people.

&&&

is to look at a different angle the earth.

&&&

is to notice the details.

&&&

is space.

&&&

is an object that extends the human's  
view point.

&&&



is to install meaning to meaningless points.

&&&

is size.

&&&

is a tool that develops thinking skills.

&&&

are symbols that ease human life.

&&&

is the symbolized form of everything in  
the  
world.

&&&

is a coalition of the mind with the eye.

&&&

is the art of review of every aspect the  
life.

&&&

is to dance with the lines.

&&&

is the depicted state of mathematics.

&&&

is ability that thinking and renaming the  
different sizes with shapes.

&&&

is to play shapes with intelligence.

&&&

is command unit that located in the center  
of mathematics.

&&&

is to dance keeping the rhythm with the  
stylus.

&&&

is telescope that reveals the hidden  
secrets of

the universe.

&&&

is to realize traces in the universe of the  
Creator.

&&&

is the ability to live in different sizes.

&&&

is indicator that shows designed according to a measurement of everything in life.

&&&

is the most effective emery for both antiquated, dull color our dreams and our thought structure.

&&&

is to be able to realize that can be  
invented the wonders with the points.

&&&

is to take care of the finer details in life.

&&&

## 2.2. Geometry, what does it mean for students studying in social sciences?

is a science that focuses attention, comprehension, understanding and the power of thinking.

&&&

is a food.

&&&

is a kind response with a new perspective to life.

&&&



is science that examines the event until  
the most depth.

&&&

a creature that borned as the point and  
reveals itself when it reaches the other  
points.

&&&

is style of expression by means of shapes  
of the words.

&&&

Where to look up how you look at life-saving teaching.

&&&

On a dark night, candle, stove on a cold day, pick a day of food, a basic requirement to complete his alter-ego, a binoculars of looking at the future.

&&&

Not all lines are connected to each other in a meaningless universe.

&&&

Different sizes and from different angles  
to look at a mechanism to teach.

&&&

The art of developing a manual dexterity.

&&&

A kind of see through look at the  
difference between the film.

&&&

Gives the ability to look at different aspects of a patient communication tool.

&&&

Instructor perspective of saving.

&&&

An operator to provide communication between real-life and virtual life.

&&&

is art to be in love to shapes.

&&&

is a perspective that embodies the life.

&&&

a magic power that pushes the man to a  
forward thinking.

&&&

is the figures's science.

&&&

is a branch of mathematics that develops human intelligence and enriches with different interpretations.

&&&

is a factor that develops our visual intelligence.

&&&

is the science meeting up with design of mathematics.

&&&

is the mysterious world of shapes.

&&&

are infinite mathematics universe's stars, planets and satellites.

&&&

is a tool that provides evaluation and a multi-dimensional visual.

&&&

is a fun job that develops our ability concrete thinking with abstract.

&&&

is a doctrine that provides to look at from different angles.

&&&



is a living example that shows an order  
and awe wonder of the universe,  
especially the planet we live in.

&&&

is a living area of mathematics described  
as a human being.

&&&

is a guide that teaches to read life the  
right way.

&&&

is friend that shows the truth finding our mistakes.

&&&

is brain gymnastic.

&&&

is to move between lines within the framework of certain aspects of life.

&&&

is a world that is different the radius.

&&&

is a nice life that does not fortune to  
everybody.

&&&

is element that meets the needs of the  
human.

&&&

is the animation art in mind the concepts.

&&&

is market that the importance and value  
of lines gained.

&&&

is a kind puzzle.

&&&

According to you,

&&&

What is mathematics?

.....

&&&

What is geometry?

.....

&&&

The end

&&&

Descriptions in the booklet aim that Mathematics and Geometry, what is, what works, what kind in jobs can be used and also to be a remedy to those who have Mathematics and Geometry phobic.



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He was born in Denizli in 1968. He finished Department of Astronomy and Space Sciences, Faculty of Science, Ege University between 1986-1990. He also finished Mathematics Master Science in Pamukkale University between 1994-1996, Mathematics Philosophy of Doctorate in Eskisehir Osmangazi University between 1996-2002. Now, He studies to be Professor in Canakkale Onsekiz Mart University. He is married and has three children.