10 reasons to love mathematics

<u>Statistics Assignment</u>

In a fairy tale about Harry Potter, the magic world was hidden behind the most trivial things.In the same way, things are with algebra and geometry - the whole universe is hidden for seemingly boring lessons, which can help manage a whole world - and even time.For what you can love the mathematics schoolboy and how to penetrate the magic of numbers?

one.

Let's start with the obvious - "Mathematics is already good that it is in order by the mind," said M.V.Lomonosov.And this is actually so.Mathematics allows the child to learn to think logically, predicting, calculating the decision.All this allows you to train memory, increase the speed of thinking.Children who are friendly with mathematics, learn to notice patterns, make faithful conclusions, and clearly formulate thoughts.

Lesson of algebra in grade 9 "Statistical probability"

2.

Have you noticed that in most non-standard mathematical tasks that can be found on the same Olympiads, the decision has already been laid down?We only need to be able to reason, read, carefully study what is given that it is possible to find, understand the meaning of the task - in other words, to work out completely.This also teaches mathematics - scrupulsiness, ability to generalize, compare and analyze data.

Preparation of students to solve text objectives in OGE and EGE 2017

3.

Character, perseverance, persistence can be developed only in the gym, at competitions?Although!Mathematics can raise a strong person in a person no less.Responsibility, the ability to focus on the task without being distracted by anything around, accuracy, accuracy, diligence develops with regular classes.The ability to look for an exit in, it would seem, hopeless situations.Be able to concentrate, gather and walk to your goal can help not only sports, but also numbers.

Visual and handouts for teachers on algebra

four.

Financial failures of Pinocchio on the field of miracles were largely related to the fact that the wooden man did not reach the school and did not reach the school.The one who loves mathematics is insured against all kinds of financial pyramids, disadvantageous loans, rampant spending, clearly knows when a discount is really beneficial.Interest, progression, roots, features help to grow a conscious citizen who can calculate the consequences of mortgages, choose the most profitable investment.For one thing in mathematics it is worth falling in love!

Formation of financial literacy in the course of social studies and the economy of the main and older school

five.

Mathematics helps develop and creatively. Yes Yes. Only not so much algebra as geometry. Algebra should algorithms, geometry often requires the ability to look creatively to the task, look for a non-standard solution. Still doubt? Then we note that according to the laws, the algebra reigns harmony in music, and in the Middle Ages, the geometrically accurate movement of the celestial bodies associated with music. Or another example - take a look at the pictures of M.K. Escher, in which geometry reigns, or pay attention, as under the laws of logic and mathematics, created Lewis Carroll fairy tales!

Remove the video for the project "Country reading": 10 creative tips

6.

Mathematics will allow everyone to feel the wizard!Who does not want to show a couple of mathematical focus and conquer the hearts of others?At the same time, you do not need to be a big scientist - you just need to know mathematics.For example, try to guess the number.To do this, ask to make any number (what it will, no matter, mark it as "n").After letting his number, he would unlock his number 2, will add to it 8, divided by the received on 2 and again takes the mandated number.After that, withstanding the pause, tell me the answer - it turned out 4.

How?This is a simple equation.Suppose N will be equal to 9:

$9 \times 2 = 18; 18 + 8 = 26; 26/2 = 13; 13 - 9 = 4.$

To check, take n equal to 5

$5 \times 2 = 10; 10 + 8 = 18; 18/2 = 9; 9 - 5 = 4.$

And all because the specified number is not at all participating in all manipulations:

$N \times 2; N \times 2 + 8; (N \times 2 + 8) / 2; (N \times 2 + 8) / 2 - n = n + 4 - n = 4.$

Great women in science and art

7.

Mathematics allows everyone to penetrate the cover of the mystery of the language or cipher, and even their creation.So, for example, Francois Viet, whose theorem knows schoolchildren, engaged in declaring the correspondence of opponents of the French king Henry III.Scientists fought over the cipher and other enemy - "Enigma", the encryption machine of the Second World War.Her cipher rested on the replacement of combinations of some letters by others, while the algorithm developed by mathematicians was assumed to quadrillion all sorts of combinations.

You are not so difficult to come up with your own cipher, only here they will be particularly important to mathematics such character traits as an idolism, accuracy - otherwise you can get confused in your own puzzle.But in case of good luck, all secrets will be securely hidden.

"I want my disciples to feel confident in the world of technology."Interview with Andrei Sidenko

eight.

However, mathematics can not only be divided by hiding meaning in cipher.It can and connect.Mathematics is accurate, concise and universal language, it is abstract and allows you to describe many objects.Moreover, as the scientists, a physicist and a biologist themselves say, who own a sufficient mathematical apparatus, most likely will understand each other, even if there is not a single common among traditional languages.

Hat for a horse, or ten difficult words without translation

I.

Mathematics allows you to understand the whole world around.Not in vain Galileo Galilee was convinced that "nature formulates its laws of mathematics."Thanks to this area, scientists were able to analyze such complex phenomena as fluctuations and destruction in construction mechanics, simulate and calculate the zones to predict the strongest earthquakes.

To help the teacher of biology: Environmental education by means of the school subject of biology

10.

Well, if the schoolboy really lies the soul to the numbers, then maybe they will be able to predict him and the future - and completely scientific.So, Velimir Khlebnikov, poet, mathematician, ornithologist, believed that "the Universe is rudely made by an extinguisure ax."He wanted to bring the "basic law of time", based on numbers to teach humanity to manage history and avoid wars.These studies allowed him in 1912 to predict the fall in the state in 1917 and his own death at 37 years.

The profession of the future: who will today have today's first-graders work?

The material is illustrated by the works of N. Rockwell for The Saturday Evening Post (1930-1950)

* Since May 2017, the Joint Publishing Group "Drop-Ventana" is included in the Russian Tutorial Corporation. The Corporation also includes Astrel's publishing house and the Lecta digital educational platform. Alexander Brychkin, a graduate of the Financial Academy under the Government of the Russian Federation, Candidate of Economics, Head of Innovative Drop Publishing Houses in the field of digital education (electronic forms of textbooks, "Russian E-School", Digital Education Platform Lecta). Before joining the publishing house Drop, he held the position of the Vice-President for the Strategic Development and Investments of the Publishing Holding "Eksmo-AST".

Today, the publishing corporation "Russian textbook" has the largest portfolio of textbooks included in the federal list - 485 names (approximately 40%, without taking into account textbooks for the correctional school). Corporation publishers belong to the most popular kits for textbooks on physics, drawing, biology, chemistry, technology, geography, astronomy - areas of knowledge that are needed for the development of the country's production potential. The corporation portfolio includes textbooks and educational aids for primary school, awarded the Presidential Prize in Education. These are textbooks and benefits on subject areas that are necessary for the development of the scientific and technical and industrial potential of Russia.