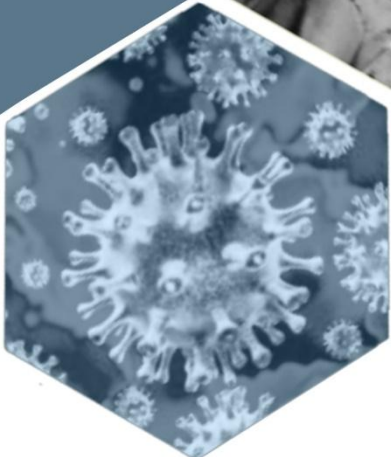


English

magazine

- The most strange superstitions in the world
- Why Good Sleep Is Important?
- Two lesser known animals
- Netflix
- Women athletes
- Queen Elizabeth
- Microsoft
- Why is math important in life?



- Professor Hessabi
- Maryam mirzakhani
- Covid-19
- Robots
- What is a tongue-twister?



Table of Contents

Robots	1
Why is math important in life?	4
Professor Hessabi	5
Maryam Mirzakhni	6
Microsoft	7
Netflix	8
Tongue Twister.....	9
Covid-19	10
Why good sleep is important	11
Queen Elizabeth	13
Women Athletes	14
Two lesser known animals	15
The most strange superstitions in the world	17
Entertainment	20
What is an abbreviation?	22

ROBOTS

A robot is a machine designed to execute one or more tasks automatically with speed and precision. Here are some weird robots.

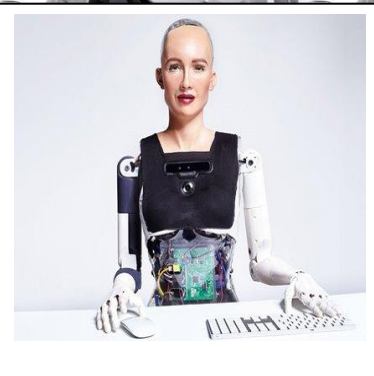


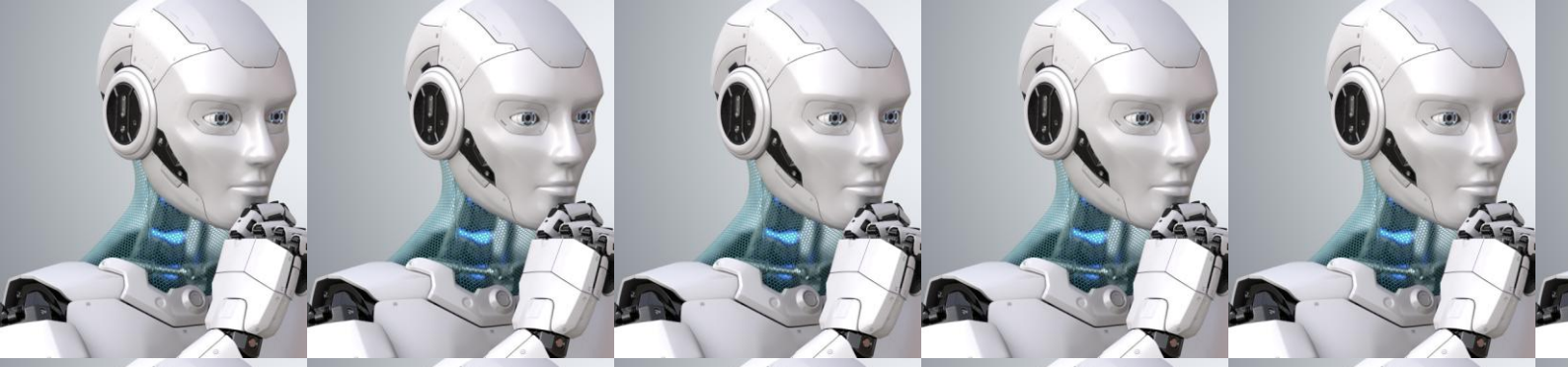
MarsCat is a bionic pet cat . It is similar to a real cat and is completely responsive to interactions and autonomous. MarsCat has the ability to feel touch, see faces, hear voices, and play with toys.

It is a **RollBot** that delivers toilet paper to those stuck in positions without a roll. It has infrared sensors to make it move towards humans who need toilet paper. Though RollBot can bring the toilet paper to a user, it cannot retrieve the same automatically.



Perhaps the most recognizable face of humanoids is **Sophia**. Taught by humans , Sophia can move , talk , show some emotions, draw and sing.





Research Humanoid

Mechanical engineers at the Iranian University of Tehran have been working since 2010. Their latest model, Surena IV, is an adult-size humanoid that is reportedly capable of face and object detection, speech recognition and generation, and can walk with a speed of 0.7 kilometers per hour. It has 43 degrees-of-freedom and its dexterous hands can grip many different shapes. Engineers use Surena to research bipedal locomotion, AI and to attract students to careers in engineering.

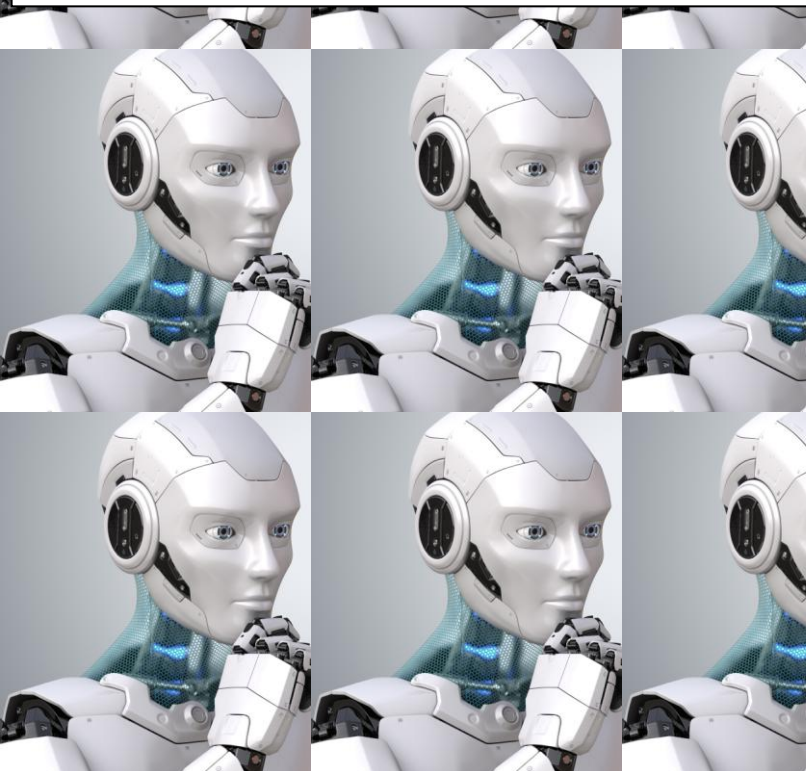
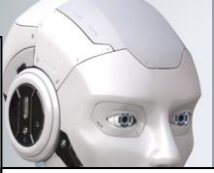


Photo: University of Tehran

Robotic Actor

It built in 2004, Engineered Arts is a U.K.-. It is a robotic actor that comes with a library of impressions, greetings, songs, and gestures. Several of these can be added together to become a robotic theater, an integrated system of robots, movement tracks, animation software, touchscreen control, lighting, sound , and external device control. The company is working on adding RoboThespian the ability to walk on its own.



Robotic Avatar

Initially introduced by Toyota in 2017, the T-HR3 is a humanoid robot that mimics the movements of its human operator, like a real-world avatar.. It can also help caregivers to do their work remotely, or those in need of assistance to live a more independent life.



Photo: Toyota

WHY IS MATH IMPORTANT IN LIFE?

1. Learning math is good for your brain

2. Math helps you tell time

3. Math helps you with your finances

4. Math makes you a better cook (or baker)

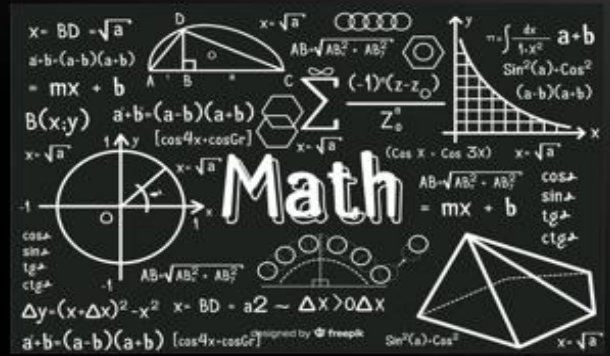
5. Math helps us have better problem-solving skills

6. Practically every career uses math in some way.

7. Math is around us and helps us understand and world better

8. Math is a universal language

9. Math can help you shop for a good sale



1. Learning math is good for your brain

Research conducted by Dr. Tanya Evans of Stanford University indicates that children who know math can recruit certain brain regions more reliably, and have higher gray matter volume in those regions, than those who perform more poorly in math. The brain regions involved in higher math skills in high-performing children were associated with various cognitive tasks involving visual attention and decision-making. While correlation may not imply causation, this study indicates that the same brain regions that help you do math are recruited in decision-making and attentional processes.

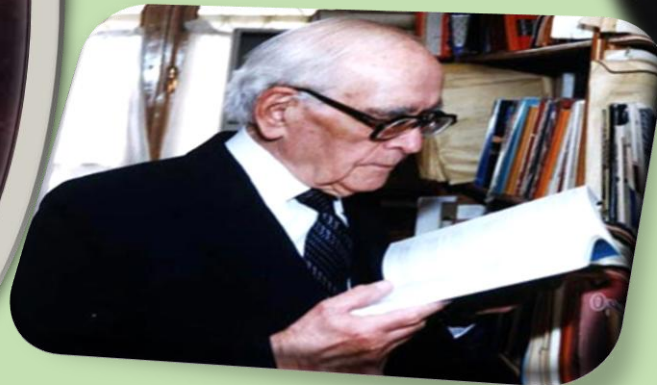
2. Math helps you tell time

"I'm late, I'm late for a very important date." – White Rabbit from the movie *Alice in Wonderland*. Don't let your ignorance of math make you like the White Rabbit! A recent study indicated that 4 out of 5 children living in Oklahoma City can't read the hands on an analog clock to tell time. Knowing math, and particularly fractions, can help you better tell time. While analog clocks may eventually become obsolete, don't let your ability to tell time become outdated! Use your knowledge of fractions to help you tell time on analog clocks that have an hour, minute, and (sometimes) second hand.

3. Math helps you with your finances

Math can be helpful for balancing your budget because you will have a good understanding of how to make sure that your costs are less than the money you have. Balancing one's bank account, for example, is an important life skill that requires math in order to subtract balances. People who know math are therefore less likely to go into debt because they did not know how much money they had versus how much money they spent.

Professor Hessabi

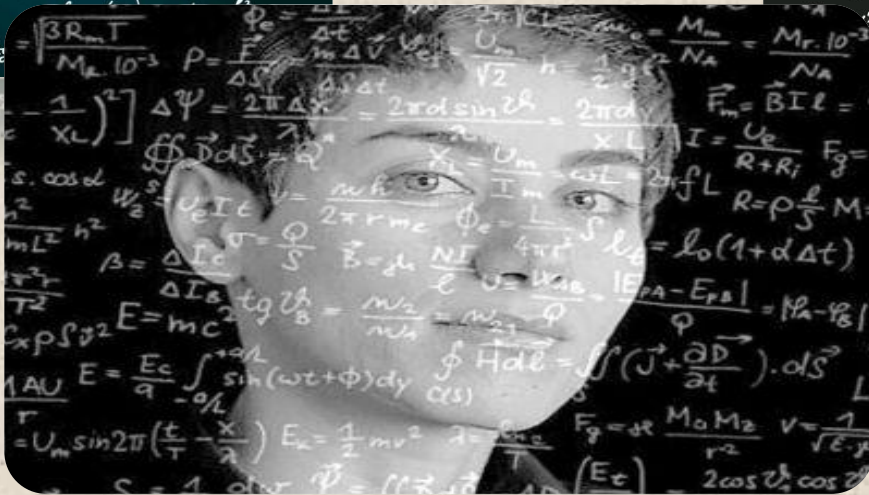


We all know that it was these scientists in various fields of science who made the advancement of science and knowledge over the years. Especially scientists in the field of mathematics. Professor Mahmoud Hessabi is one of the Iranian honors in the field of mathematics. He is mentioned as The Father of Iranian Physics. He knew the Qur'an and Hafiz's Divan from memorization. He studied physics at the Sorbonne. At the age of 25, he received his doctorate with an excellent grade. He also took important steps in the development of the country, such as founding the first nomadic schools in the country and building the first radio in the country. He was also able to obtain the title of Distinguished Professor of the University of Tehran in 1349. Unfortunately, this esteemed professor passed away in 1371. Today his house has been turned into the Museum of Professor Hessabi.

Maryam Mirzakhani

Maryam Mirzakhani (May 12, 1977 - July 14, 2017) was an Iranian mathematician and professor at Stanford University. Mirzakhani won the Fields Medal in 2014 for his work on "Dynamics and Geometry of Riemannian Surfaces and Their Dimensional Spaces", the highest award in mathematics. She is the only woman and the first Iranian to win the Fields Medal.

$\sin \alpha = \frac{BC}{a}$;
 $\cos \alpha = \frac{OB}{b}$;
 $\tan \alpha = \frac{OB}{a}$;
 $\csc \alpha = \frac{a}{OB} = \frac{a}{b \sin \alpha}$;
 $\alpha^\circ = \frac{180}{\pi} \alpha$; $\alpha = \frac{\pi}{180} \alpha^\circ$;
 $360^\circ = 2\pi$; $180^\circ = \pi$;
 $\sin^2 \alpha + \cos^2 \alpha = 1$;
 $\frac{\sin \alpha}{\cos \alpha} = \tan \alpha$;
 $\sin \alpha \cdot \csc \alpha = 1$;
 $\frac{\cos \alpha}{\sin \alpha} = \csc \alpha$;
 $\sin 2\alpha = 2 \sin \alpha \cos \alpha$;
 $\cos 2\alpha = \cos^2 \alpha - \sin^2 \alpha$;
 $\tan 2\alpha = \frac{2 \tan \alpha}{1 - \tan^2 \alpha}$;
 $\sin \alpha = \frac{y}{r}$;
 $\cos \alpha = \frac{x}{r}$;
 $\tan \alpha = \frac{y}{x}$;
 $\csc \alpha = \frac{r}{y}$;
 $\sec \alpha = \frac{r}{x}$;
 $\cot \alpha = \frac{x}{y}$;
 $\operatorname{cosec} \alpha = \frac{1}{\sin \alpha}$;
 $\operatorname{sec} \alpha = \frac{1}{\cos \alpha}$;
 $\operatorname{cot} \alpha = \frac{1}{\tan \alpha}$;
 $u = A \sin(\omega t + \phi)$;
 $u = A \cos(\omega t + \phi)$;
 $x = -\frac{b}{2a}$;



$\int f(x,y,z) dz$
 $x \ln x \operatorname{Sa}$
 $\iiint \frac{dx dy dz}{(1-x-y-z)^2}$
 $\frac{b-C^3 \cdot \operatorname{Cosa}}{a}$ $b+a$
 $\frac{2+6Y^3-1}{(1-x-y-z)^2}$
 $\frac{a+b}{S^2} \frac{f(x)-f(x_0)}{x-x_0}$
 $\frac{5X^2}{1} \frac{b-C^3 \cdot \operatorname{Cosa}}{a}$
 $\sqrt{2} \cdot \sin 2x$ $\frac{b-C \cdot \operatorname{COS} a}{a}$
 $5x^2 + 14xy + 2y^2 - 18$
 $\operatorname{Acosx} \cdot \operatorname{arctg}$
 $2 \sin^3 52^\circ = 1$
 $\operatorname{Acosx} \cdot \operatorname{arctg}$
 $2 \sin^3 52^\circ = 1$

Microsoft

In today's world, we need electronics to do our everyday things. For example, we want to connect with our friends who are away from us and see them or play video games in our spare time or search the internet for favorite topics. But we need to know where all these electronic device and services offered on social networks come from. Paul Allen and Bill Gates were two close childhood friends who were every interested in programming and they wanted to start a business out of their passion.



Paul Allen and Bill Gates

In January 1975, when the company developed telemetry Microsystems, Paul Allen was able to produce and market a micro-device based on his knowledge and attention to this issue.

Finally, on April 4, 1975 Microsoft was founded by Bill Gates. Today, the company is a multinational corporation based in the United States. It is headquartered in Redmond Washington. In 2016, this technology company was able to obtain the first rank in the list of the largest software companies. It also does things like publishing books, Producing multimedia products and prouder email services. Today the company offers products that make things easier for us and exciting products such as Microsoft Windows, Microsoft office, servers, Skype, Microsoft mobile, Xbox, etc.



How much do these products affect your life?

Do these products make it easy for you to attend a virtual classroom?



Netflix is an American movie streaming service and producing company based in Los Gatos, California. Netflix was founded in 1997 by Reed Hastings and Marc Randolph in Scotts Valley, California.

In January 2021, Netflix reached 203.7 million subscribers, including 66 million in the United States.

It is available worldwide except in the following: mainland China, Syria, North Korea, and Iran (due to US sanctions). It was reported in 2020 that Netflix's operating income is \$1.2 billion.

The company has offices in England, France, Brazil, the Netherlands, India, Japan, and South Korea.

The company expanded internationally in 2010 with streaming available in Canada, followed by Latin America and the Caribbean. Netflix entered the content-production industry in 2013, debuting its first series *House of Cards*.

Since 2012, Netflix has taken more of an active role as producer and distributor for both film and television series, and to that end, offers a variety of "Netflix Original" content through its online library. By January 2016, Netflix services operated in more than 190 countries. Netflix released an estimated 126 original series and films in 2016, more than any other network or cable channel.

Here is top 10 series on Netflix:



10. Altered carbon



9. 13 reasons why



8. Queen's gambit



7. The crown



6. A Series of Unfortunate Events



5. Bojack horseman



4. House of cards



3. Stranger things



2. Black mirror




1. Dark

What is a tongue-twister?

a sequence of words or sounds that are difficult to pronounce quickly and correctly, as for example *Peter Piper picked a peck of pickled pepper.*

Challenge your English pronunciation by trying to say these tongue-twisters correctly.



I wish to wish
the wish you
wish to wish...

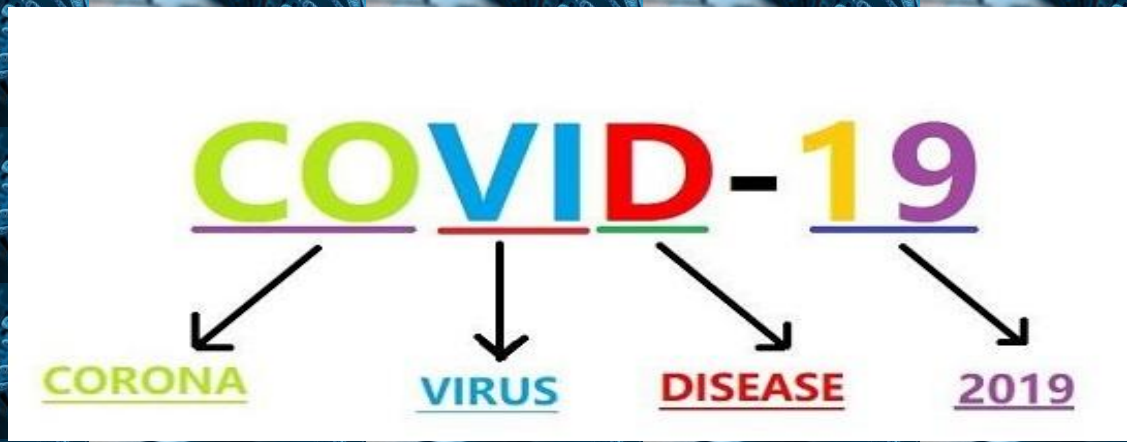
She sells seashells
on the sea shore.
The shells she sells
are seashells
for sure.

A good cook could
cook as much cookies
as a good cook who
could cook cookies.



Purple Paper People,
Purple Paper People,
Purple Paper People.

 tonguetwisters.pics



Life has changed a lot since covid-19 pandemic. It has become hard and boring for everyone. We miss hugging our loved ones and having fun with them, but we will wait with strength until the time when things are right. Until then, stay **healthy, happy** and **strong**.



Please scan the code to watch the video we made.

Why Good Sleep Is Important



1. Poor sleep is linked to higher body weight

If you're trying to lose weight, getting quality sleep is absolutely crucial.

2. Good sleep can improve concentration and productivity. Sleep is important for various aspects of brain function.

A study found that short sleep can negatively impact some aspects of brain function to a similar degree as alcohol intoxication.

3. Good sleep can maximize athletic performance Sleep has been shown to enhance athletic performance.

A study in over 2,800 women found that poor sleep was linked to slower walking, lower grip strength, and greater difficulty performing independent activities.

4. Poor sleep is linked to depression

Poor sleep is linked to depression Mental health issues, such as depression, are strongly linked to poor sleep quality and sleeping disorders. It's been estimated that 90% of people with depression complain about sleep quality (21Trusted Source). Poor sleep is even associated with an increased risk of death by suicide (22Trusted Source).

5. Sleep improves your immune function

They found that those who slept less than 7 hours were almost 3 times more likely to develop a cold than those who slept 8 hours or more.

Why Good Sleep Is Important ?

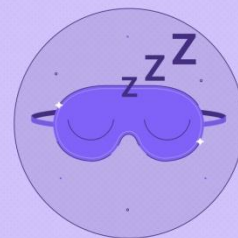
Poor sleep is linked to higher body weight.

Good sleep can improve concentration and productivity. Sleep is important for various aspects of brain function.

Poor sleep is linked to depression

Sleep improves your immune function

Good sleep can maximize athletic performance Sleep has been shown to enhance athletic performance



Queen Elizabeth



Elizabeth II (Elizabeth Alexandra Mary; born 21 April 1926) is Queen of the United Kingdom and 15 other Commonwealth realms.



Elizabeth was born in Mayfair, London, as the first child of the Duke and Duchess of York (later King George VI and Queen Elizabeth)



In 1947 she married Philip, Duke of Edinburgh, a former prince of Greece and Denmark, with whom she has four children: Charles, Prince of Wales; Anne, Princess Royal; Prince Andrew, Duke of York; and Prince Edward, Earl of Wessex.



Her father ascended the throne on the abdication of his brother King Edward VIII in 1936, from which time she was the heir presumptive. She was educated privately at home and began to undertake public duties during the Second World War, serving in the Auxiliary Territorial Service.



Women athletes

Women's sports, both amateur and professional, have existed throughout the world for centuries in all varieties of sports. Female participation and popularity in sports increased dramatically in the 20th century, especially in the last quarter-century, reflecting changes in modern societies that emphasize gender parity, Although the level of participation and performance still varies greatly by country and by sport, women's sports are generally accepted throughout the world today.



Media coverage for women's sports is significantly less than the coverage for men's sports. Substantial research indicates that women's sports and female athletes gain only a small fraction of sports media coverage worldwide

Research that has examined why this is the case suggested this can be attributed to three particular factors that govern sports newswork: the male-dominated sports newsroom, ingrained assumptions about readership, and the systematic, repetitive nature of sports

. .news

Who is the most famous female athlete?

Jackie Joyner Kersee - Track & Field

Babe Didrikson Zaharias - Track & Field

Billie Jean King - Tennis

Sonja Henie - Figure Skating



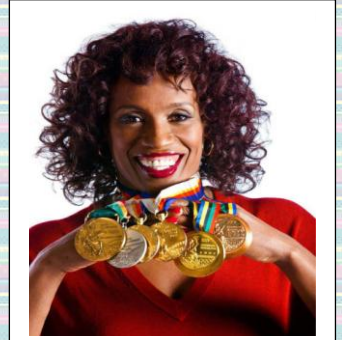
Babe Didrikson



Billie Jean King



Sonja Henie



Jackie Joyner Kersee

TWO LESSER KNOWN ANIMALS

1-Platypus!

- It has a duck beak, a blue and a full back skin. She lays dog tail eggs like birds but feeds her baby like mammals
- Platypus material lays one to three eggs
- Male platypuses has a gland that causes toxins
- And this animal has no stomach
- The platypus uses its tail for storage of fat reserves.



Platypus food 🐛

platypus is a carnivore. It feeds on annelid worms, insect larvae, freshwater shrimp, and freshwater fish that it digs out of the riverbed with its snout or catches while swimming.

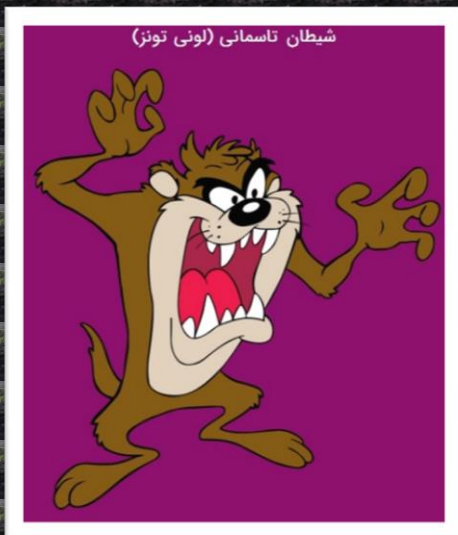
This animals chose Australia's southeast waters as their home.

British scientists found the beast in 1799.

2-Tasmanian Devil

#cute ,but very dangerous

#going extinct



Platypus in cartoons

Tasmanian devil in cartoons

The most strange superstitions in the world

You can see people all over the world who have a series of strange beliefs. For example, you should not walk under a ladder or the number 13 is unlucky.

Superstitions have historical roots and you will find different cases everywhere.



CHINA



In China, the number 4 is strangely ominous. But most likely the root of this case from the strangest superstitions in the world goes back to the pronunciation of this number in Chinese, which is very similar to the word death in this language. In China, many buildings do not even have a fourth floor or can be seen in chairs that exceed this number!!!!

EGYPT



The Egyptians believe that bad things will happen if you open and close a pair of scissors without cutting anything. What's worse than opening and closing, leave it open! They say it kills the evil spirit in the air and makes them angry!!!!

SPAIN



in Spain and many parts of Latin America, you're more likely to eat grapes at the stroke of midnight on New Year's Eve than enjoy a bubbly drink made from them.

Legend has it that if you can eat 12 grapes within the first 12 seconds of midnight, you'll have 12 lucky months in the new year.!

EUROPE



People in the US often use the phrase "knock on wood" to ward off bad luck, although this superstition is said to have originated in Europe. During the Medieval period, many churches claimed to have pieces of Jesus' cross. Church officials would say that knocking on the wood would bring good luck!!!!

UK



According to legend, if the first thing you say on the first day of the month is "rabbit rabbit," you'll have good luck for the rest of it. Alternatively, if you forget to speak the magic words in the morning, you can say "tibbar tibbar" (rabbit backwards) right before you go to bed that night!!!!

SERBIA



It is a common Serbian superstition to believe that spilling water behind someone will bring them good luck. People will often spill some water behind a loved one who is about to go on a trip or job interview in order to wish them luck. The water is thought to be lucky because it represents fluidity and motion!!!!!!



Do you believe in superstitions?
What superstitions are common in your country?

Entertainment!

Hi guys! Hope you enjoyed reading the articles! Do you like entertainment? So here's a very nice one for you!

Do you know what a **sudoku** is?

sudoku

/su:'dæʊku:,su:'dɒku:/'

noun

a puzzle in which players insert the numbers one to nine into a grid consisting of nine squares subdivided into a further nine smaller squares in such a way that every number appears once in each horizontal line, vertical line, and square.

Here is a **sudoku**. Let's see if you can solve it. Good Luck !

5	3			7				
6			1	9	5			
	9	8					6	
8				6				3
4			8		3			1
7				2				6
	6					2	8	
			4	1	9			5
				8			7	9

In order to find the solved sudoku check out the next page

5	3	4	6	7	8	9	1	2
6	7	2	1	9	5	3	4	8
1	9	8	3	4	2	5	6	7
8	5	9	7	6	1	4	2	3
4	2	6	8	5	3	7	9	1
7	1	3	9	2	4	8	5	6
9	6	1	5	3	7	2	8	4
2	8	7	4	1	9	6	3	5
3	4	5	2	8	6	1	7	9

Solved sudoku



What is an abbreviation?



An abbreviation is a short way to write a word.

Here are some common abbreviations native speakers use daily.

BTW:by the way
TBH:to be honest
BRB:be right back
IRL:in real life
IDK:I don't know
SMH:shaking my head
ASAP:as soon as possible
DIY:do it yourself
FAQ:frequently ask questions
AKA:also known as

FYI:for your information
LMK:let me know
LOL:laughing out loud
JK:just kidding
IDC:I don't care

Credits

Supervisor: Ms. Niloofar Yadollahifard

Cover designer: Zahra Shokri

Editors: Hasti Emadi Azar, Maryam Sadaat Abtahi, Zahra Shokri

Articles

Robots : Narges Shirzadian, Ghazaleh Zafar Entesab

Why is math important in life? : Nzanin Zahra Alitavakoli, Mahak Ghassabi

Professor Hessabi : Setayesh Moradi

Maryam Mirzakhni : Aysun Keramat

Microsoft : Matina Nouri, Atena Arani Kashani, Soha Esmailzadeh

Netflix : Mani Monji, Fatemeh Yazdian

Tongue Twister : Hanieh Karami

Covid-19 : Paniz Dadmehr, Paniz Annabestani, Melina Ebadati

Why good sleep is important : Helia Kariman, Helia Davoudimehr

Queen Elizabeth : Hasti Emadi Azar, Hanieh Zeraati

Women Athletes : Tara Atai, Aysun Roshanai

Two lesser known animals : Melissa Mirzai

The most strange superstitions in the world : Shima Sheybani, Atousa Amiri

Entertainment : Maryam Sadaat Abtahi

What is an abbreviation? : Hasti Emadi Azar

