

# Boscoites

E – Magazine

December 2021 - 2022

Year 2 : Issue no. 4

# MATHEMAGIC



# MERRY CHRISTMAS

# MESSAGE FROM OUR PRINCIPAL



My Dear Students, Parents and Teachers,  
Mathematics and Religion are two separate spheres; neither has a need or a connection with the other. God created everything and He sustains everything that He has created.

Does this mean that God has also created Mathematics? Most of us would be inclined to say 'Yes', except that Mathematics is not a 'thing' like a plant, an animal or a man. God is all 'Truth'. He sees what is true for His creation, and Mathematical truth is a part of this truth.

Math is not just about numbers or equations. Math is all about understanding. Math is a universal language that helps mankind to explain and create.

This issue of our e-magazine gives us an insight into the uncanny ability of Mathematics to reveal hidden beautiful patterns in our everyday life. We will soon be celebrating 'Christmas', the birth of Lord Jesus Christ. Mathematics and Christmas are definitely correlated. Mathematics cannot teach us how to add love or subtract hate, but it definitely gives us 'Hope', that every problem in life has a solution. The birth of Lord Jesus too brings us 'Joy', 'Hope' and 'Peace'.

My dear readers, 'Life Is A Math Equation'. We all need Math for the rest of our lives because without Math the world would be pure CHAOS.

Let us therefore learn to make the most of life by being grateful for all that we have, and knowing how to eliminate the 'Negative' to make place for the 'Positive'. Once we have learnt to do this, I'm sure life will be more meaningful and happier for each of us.

Wishing each one of you a wonderful Christmas that brings 'Hope', 'Joy' and 'Peace' for one and all.

Principal,

Fr. Anthony Fonseca



# EDITORIAL TEAM MESSAGE

December comes in with all the joys of Christmas. But what is the real meaning of Christmas? Is it the gifts under the tree, the lights in the windows, the cards in the mail, rich dinners with family and friends, stockings hanging in the living room, and shouts of "Merry Christmas" to those who pass us in the streets? Is this really Christmas?

Christmas is definitely a season of great joy. It is a time of God showing His great love for us. It is a time of healing and renewed strength. Christmas is when we celebrate the birth of Jesus Christ. God sent His Son, Jesus, into the world to be born. His birth brought great joy to the world. Shepherds, wise men, and angels all shared in the excitement of knowing about this great event. They knew this was no ordinary baby. The prophets had told of His coming hundreds of years before. Jesus is not just a special person, He is God, who became man. Jesus is the most wonderful gift God has ever given to mankind. Let us celebrate this wonderful gift by expressing our gratitude to God through acts of generosity and kindness because Christmas is all about 'Giving'. Giving is an act of love. The joy of being able to bless and give someone you care, and to make them smile, is priceless. So, if you are thinking about doing something this Christmas, then how about helping someone in need? Christmas season is the perfect time to open your heart and wallet to give back. For, the more you Give, The more you Get.

Dear readers, this issue of our E Magazine enlightens us about the wonders of Mathematics.

The world is interconnected and we need to understand the connections around us. Understanding the world aims at appreciating, respecting and responding empathetically to the people we communicate with, and appreciating the contribution of others in enriching our lives. Mathematics is all about 'Truth'. It logically explains connections with a 'Proof'. Applying Math to our daily lives certainly enriches our life, as it helps us to reason, to be patient and gives us 'HOPE' that there is a Solution to every Problem'. We can correlate this wonderful marvel in Mathematics to the birth of Lord Jesus, whose birth we celebrate at 'Christmas'. Jesus Christ came to Earth to bring Hope to the Hopeless, and Joy and Peace to the World. May the birth of Lord Jesus Christ, transform our lives and bring joy, peace and hope for all.

The Editorial Team wishes each one you a .....



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# **STAYING SAFE AT CHRISTMAS**

Christmas is the perfect time of year to celebrate family, joy, and coming together. It's a time to be merry and indulge in plenty of food and enjoyment. Exchanging greetings on festivals like Christmas is quite a prevalent norm across the world.

This Christmas let us come together and thank the Almighty for keeping us and our loved ones safe during this pandemic. Christmas reminds us that there is nothing more precious and special than the gift of life. On the occasion of Christmas, let us just pray that the dark clouds of the pandemic fade away and we all are able to resume our regular lives.

May baby Jesus continue to have room in our hearts, our lives reflect Christ's presence, and our homes radiate God's peace. With abundance of faith, hope and love, we will all get through this crisis together.

Wishing you all a healthy and blessed Christmas. May you and your loved ones stay safe from the pandemic and celebrate this Christmas to the fullest.

Tr. Bella J. Colaco

# ACTIVITIES

## 8TH NOVEMBER - 8TH DECEMBER 2021

### 15<sup>th</sup> NOVEMBER - REOPENING OF SCHOOL:

Offline Classes commenced for only those students of VIII to XII, who submitted Parent's Consent Forms. Online Classes continued for the remaining students.

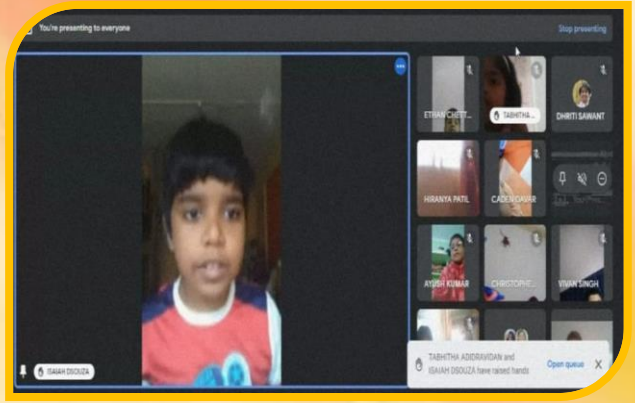
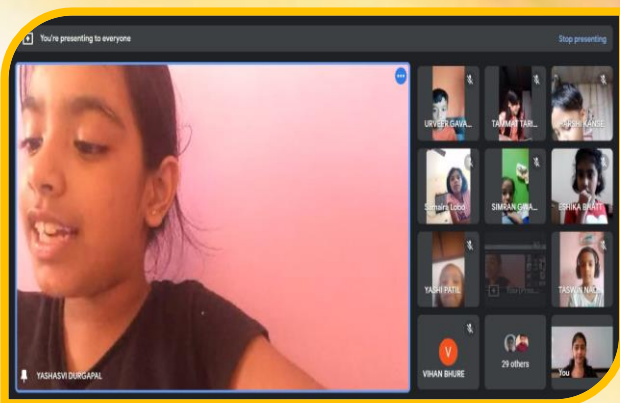
### CHILDREN'S DAY :

Pandit Jawaharlal Nehru's love for children earned him the title, 'Chacha Nehru'. His birth anniversary, celebrated as Children's Day was commemorated through a virtual program for the students. Class teachers addressed the students through pep talks, inspirational video presentations, PPT's and even a dance performance by the Primary teachers. The day was thus made special for the students.



## LANGUAGE DEVELOPMENT PROGRAMME:

Language development is a critical part of a child's development. Hence, to lay a strong foundation for reading and writing skills and to support the student's ability to communicate and express his feelings, a 'Language Development Program' has been introduced by the Principal. The language teachers have prepared a plan of action that enables students to connect with their peers and teachers on a daily basis, thus enabling them to interact confidently in the classroom.



## OPEN HOUSE :

To brief parents about the overall performance of their ward, a virtual open house was conducted from 22<sup>nd</sup> to 26<sup>th</sup> November for Pre-Primary, Primary and Secondary Section, and from 25<sup>th</sup> to 30<sup>th</sup> November for the College Section.

## ASSEMBLY: (SECONDARY) TOPIC - DISCIPLINE

Students of Std VII A and VII B, under the guidance of their class teachers conducted a virtual assembly on the theme 'Discipline', with the aim of motivating the other students to follow this wonderful virtue. The students presented a skit and an inspiring speech that highlighted the need for discipline in our life. The Principal addressed the students and spoke about the importance of self-discipline.





# 18<sup>th</sup> NOVEMBER - ASSEMBLY: (PRIMARY) TOPIC - CARING FOR OTHERS

Being caring allows you to have empathy for others and to live a life based on affection, love and compassion for the people around you. A Virtual assembly on 'Caring for Others' was conducted by students of Std II A and Std II B under the guidance of their teachers. The students were well prepared and presented their speeches, poems and a skit very confidently. The assembly concluded with a pep talk given by the Principal.



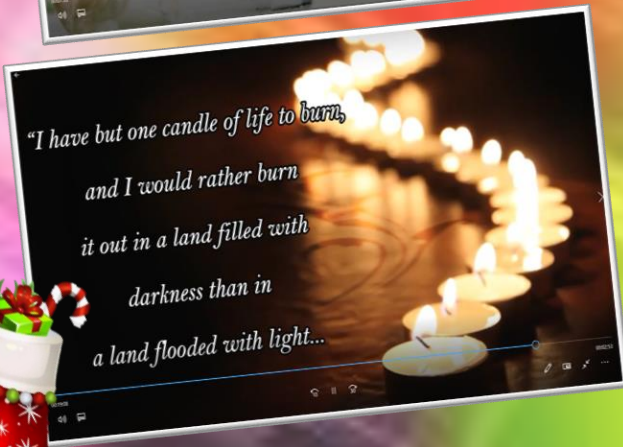
# HOMEMADE MASK MAKING:

Given to understand the prevalent situation and the need to protect ourselves from the Pandemic, a 'Mask Making Activity' was organized online, for the students of Std II. The students were taught how to make creative masks at home. This activity certainly promoted creativity and offered the students a platform to exhibit their artistic abilities.



# 8<sup>th</sup> DECEMBER-ASSEMBLY:(SECONDARY) TOPIC - EMPATHY

This virtual assembly was animated by the students of std X-A and X-B under the guidance of their class teachers. The assembly commenced with the National anthem, pledge and prayers. Students shared their thoughts on the theme 'Empathy' through a skit and speech that was perfectly delivered. Fr. Principal addressed the assembly and asked the students to imbibe the value of empathy to promote healthy social interactions in our day-to-day life.



# **“CHRIST THE SAVIOUR IS BORN”**

When you think of a Christmas celebration today, you think of cakes and sweets, dressing in your finest, going to church, singing carols and spending time with family. Christmas Carols are played and sung all over the world way before Christmas Day.

‘Silent Night’ is one of the many famous carols sung throughout the world in different languages, but many don’t know that this carol was created in a small village in Austria because the church organ had been damaged during a flood. Because the church needed a simple song to perform for the Christmas eve service, Franz Xaver Gruber and Joseph Mohr used a simple guitar and composed this song. This song became viral in those times and was played and sung around the world.

The song became most popular during World War - I when instead of gunfire during Christmas eve, English, French and German soldiers stopped fighting, entered no-man’s land to play games, exchange gifts and celebrate Christmas, singing “God Rest Ye Merry Gentlemen” (English), “Cantique de Noel” (French), and “Silent Night” (German).

Many a times, we get so busy with the noise of festivities all around us, that we forget Christ indeed ought to be the reason why we celebrate Christmas. He is with us in the trenches through life like he was with the soldiers from different parts of the world. And even if it doesn’t seem like things are “calm and bright”, take a moment to celebrate the silence of the night, where you stop and take a second to remember

**‘CHRIST THE SAVIOUR IS BORN’.**

Tr. Annie Derin



# PARENT'S MESSAGE

आपल्या सर्व शिक्षकांनी ऑनलाईन अभ्यासक्रमासाठी  
घेतलेल्या परीश्रमाबद्दल कौतुक आणि आभार!

हसत्या, खेळत्या आयुष्याला अचानक कोणाची नजर लागावी तसा २०२० मध्ये कोरोना आला. त्यात लाँकडाऊन सुरु झाले. सुरुवातीला मजा वाटली. कामानिमित्त सतत घरापासून बाहेर राहणाऱ्या आमच्यासारख्या पालकांना आता कुटुंबासोबत आणि आपल्या मुलांसोबत टाईम स्पेंड करता येईल म्हणून आनंद ही झाला. त्यावर्षी परीक्षा न देता पास होता आले म्हणून बच्चेकंपनी पण खूप झाली. हळूहळू पुढील शैक्षणिक वर्ष उजाडले. तोपर्यंत लाँकडाऊन ची मजा संपली होती. शाळा सुरु होणार की नाही होणार अशा संभ्रमात असतानाच 'ऑनलाईन शाळा' ही संकल्पना उभी ठाकली आणि इथेच नवीन शिक्षणपद्धती, त्याचे फायदे-तोटे आमच्यासारख्या पालकांना अनुभवायला मिळाले. मुलांना तयार करून कंप्युटर/मोबाईल समोर बसवा. त्यांना एकेक गोष्ट समजावून सांगा. व्हिडीओ, म्युट, चॅट, डाऊनलोड, काँपी, पेस्ट हे सगळे शिकवताना आणि त्यांच्याकडून करवून घेताना खरे तर विद्यार्थ्यांपेक्षा त्यांच्या पालकांनीच ऑनलाईन अभ्यासक्रम जाँईन केला, असे म्हटले तरी चुकीचे ठरणार नाही. हळूहळू, हीच मुले ऑनलाईन अभ्यासक्रम हाताळताना त्यांच्या पालकांपेक्षा ही तरबेज होताना दिसू लागली. हो, अगदी खरे! मोबाईल ऑन ठेवून, शिक्षकांच्या नकळत, बाकीची दैनंदिन कामे कशी करायची, ह्यांचे पालकांना रोज नवनवीन किस्से आणि अनुभव येवू लागले. शिक्षकांनी प्रश्न विचारल्यानंतर आपोआप नेटवर्क डाऊन होते, हे तर रोज पाहायला मिळू लागले. काही काही किस्से तर इतके हास्यास्पद आहेत की ते इथे सांगणे उचित दिसणार नाही. परंतु एक गोष्ट मात्र मान्य करावीच लागेल ती म्हणजे, सर्व शिक्षकांनी तळमळीने केलेली मेहनत.!



कदाचित ह्या ऑनलाईन शिक्षणपद्धतीमुळे पालकांचा संबंध इनडायरेक्टली का होईना, पण शिक्षकांच्या शिकवणीशी डायरेक्ट येत होता, तो ही दररोज! दूर अंतरावर असून देखिल आपले सर्व शिक्षक 'प्रामाणिकपणे आणि आपलेपणाने' सर्व विद्यार्थ्यांना शिकवित होते, हे एक पालक म्हणून आम्ही नक्कीच मान्य करू. कधीकधी पालक म्हणून आमचा त्रागा व्हायचा पण त्यासोबतच जेव्हा आम्ही विचार करायचो की आपल्या घरी एका विद्यार्थ्याला शिकवताना आपल्याला इतका त्रास होतो, तर एकेका वर्गात ५० ते १०० विद्यार्थ्यांना शिकवणाऱ्या त्या शिक्षकांची सहनशक्ती आणि उर्जा किती असेल. तुम्ही शिक्षक महान आहात. कित्येक वेळा माझ्यासारखे कितीतरी पालक बडबडले देखिल असतील की कधी एकदा शाळा सुरु होतेय आणि ही मुले रोज शाळेत जातील. निदान ह्या ऑनलाईन शिक्षणपद्धतीपासून आमची तरी सुटका होईल. आमचे तरी ठिक आहे, घरच्या एक किंवा दोन विद्यार्थ्यांनाच बघायचे आहे. पण आपली कथाच वेगळी. आपल्याला तर त्याच ५०-६० मुलांना सांभाळून घ्यायचे आहे, ते ही ऑनलाईन! ही नक्कीच साधी गोष्ट नव्हती. पण तरीदेखील कोरोनाच्या महामारीमध्ये आपण हे शिवधनुष्य यशस्वीरीत्या पेललेत ही आपल्या प्रामाणिकपणे केलेल्या कष्टाची पोचपावती आहे. अखेर, आजपासून (०६ डिसेंबर) शाळा सुरु झाली आणि आमच्यासारख्या पालकांनी 'सुटलो बुवा, आता तुम्हीच सांभाळा' असे म्हणत तुम्हाला 'धन्यवाद आणि ऑल द बेस्ट' नक्कीच (मनातल्या मनात) केले असेल.

शिक्षणसेवा हे एक 'व्रत' म्हणून करावे लागते, हे ऐकून माहिती होते, पण ह्या महामारीच्या काळात आपल्या डान बाँस्को शाळेतील शिक्षकांच्या 'अॅप्रोच' ने आपण खरे करून दाखवलेत, त्याबद्दल एक पालक म्हणून शतशः आभार! पालक म्हणून आपल्या शाळेचा आम्हाला नक्कीच अभिमान राहिल.

With Sincere Gratitude!! 🙏

श्री. जयेश आणि सौ. भारती म्हात्रे.



# **SURPRISING CHRISTMAS TRADITIONS AROUND THE WORLD**

We, in India, have so many Christmas traditions: making Christmas sweets, decorating our cribs, putting up a star, decorating the house with tinsel and other ornaments, singing and listening to carols, making advent calendars, and feasting on a lot of Christmas food. But how is Christmas celebrated around the world?

Some Christmas traditions are sure to surprise you.

- Although Christmas isn't a national holiday in Japan, its citizens still find an interesting way to celebrate. Rather than gathering around the table for Christmas dinner, families head out to their local Kentucky Fried Chicken outlet. The tradition began in 1974 after a very successful marketing campaign called "Kentucky for Christmas!"
- Iceland celebrates 13 days before Christmas. Each night before Christmas, Icelandic children place their shoes by the window. The little children then go to bed. In the morning, they will have either received chocolates (if they were good) or be greeted with shoes full of rotten potatoes, if they were bad. Isn't rotten potatoes a terrible gift?
- In Finland, on Christmas morning, families traditionally eat a porridge made of rice and milk topped with cinnamon, milk, or butter. Whoever finds the almond placed inside one of the puddings "wins"—but some families cheat and hide some more almonds, so more than one child gets a chance to win and be happy.

- Brazilian and Portuguese families come together on Christmas Eve to eat dinner as late as 10 p.m. Then, exactly at midnight, they exchange gifts and wish each other a Merry Christmas.

Christmas Season is the best time to engage in family traditions. These traditions, help to bond families and can have many benefits for parents and children. Traditions also give us something to look forward to and are a satisfying way to interact with those we love. They are especially great for children as they create loving memories for life.

I remember my family tradition of meeting after midnight mass, wishing one another and then Santa Claus distributing the long-awaited gifts to one and all, amidst a lot of noise, music and Christmas sweets. Do you follow Christmas traditions? They have a lot of positives and we should indulge in them and not let them go.

Tr. Gail Fernandes





## **MATH – Make A Transformation Humbly**

The ability to **Make A Transformation Humbly**, is what makes '**MATH**' fascinating, lovable, and reasonable. Math has enabled me to progress from 'Arrogance' to 'Humility'. I have learnt how to admit my mistakes, focus on comprehending, demonstrate tolerance and assume ownership. Math inspires creative thinking, makes us patient and enables us to reason, rather than accept beliefs blindly. Mathematics is all about 'Logic' and 'Reason', and hence we need Mathematics every moment of our life, so as to enrich our lives and enrich the society that we live in.

Sanjeev Mujumdar  
College Coordinator



## MATHEMATICS – MY FAVOURITE SUBJECT



My favourite subject is mathematics. I love to play with numbers and solve mathematical problems. Maths gives me a lot of satisfaction and boosts my energy and thinking capacity while studying.

I love the number game and can solve problems for hours at a stretch without getting bored. My mathematics teacher teaches us to solve sums very easily. The best part about mathematics is that I don't need to memorize or mug up everything like a parrot.

Mathematics is a very interesting subject. Among all arithmetical exercises, I love solving addition and subtraction problems. The more I practice, the better I become at solving.

Mathematics teaches us a beautiful life lesson. It teaches us not to quit, but to keep trying.

ADAM MHATRE  
II - A



### TIME IS PRECIOUS, USE IT WISELY

Time is the most precious and best gift that life has given us. There is a famous quote. 'Time and Tide waits for none'. So, we should utilize each and every moment of our life productively and not waste our time. Time is one of the few things, once lost can never be recovered. Money once lost can be recovered, but that's not for time.

'The best things in life are for free'. This saying is very much true for time. It is the best thing that life has given us. No living being on this earth will be able to buy time. So, set up your goals and work with determination and dedication. Remember that Time is precious and it will never return once lost.



ANVI KARKHANIS  
II - A

## MATHEMATICS – MY FAVOURITE SUBJECT

My favorite Subject is Math. I love to play number games and quizzes. Math has sharpened my mind and I am able to think better while I study. I love games that involve mathematic operations like addition and subtraction. I can solve problems for hours at a stretch without getting bored. My Math's teacher teaches us various tricks to solve Mathematical sums accurately and with speed. The don't need to mug up my studies when it comes to Math. Hence, Math is my favourite subject.



ALEXIA FERNANDES

V - A

**MATH**  
M<sub>1</sub> + 1 = 2  
MAKES YOUR  
LIFE ADD UP!

## MATHEMATICS – MY FAVOURITE SUBJECT

While it may come as a surprise to some, Maths really is my favorite subject.

I do not love the subject because it is an easy one for me, but rather I prefer it because it challenges me every time. Mathematics allows me to knock on several doors of my brain in order to understand a problem completely and solve it. Each problem can be solved using several techniques and I do not have to by-heart the answers. I do find Mathematics difficult at times, but I add a little confidence and subtract my fear, multiplying it by my hard work each time, to put in my very best. I love Math because it teaches me to never give up until the end result is achieved.



DEONNA COOKE

V - A

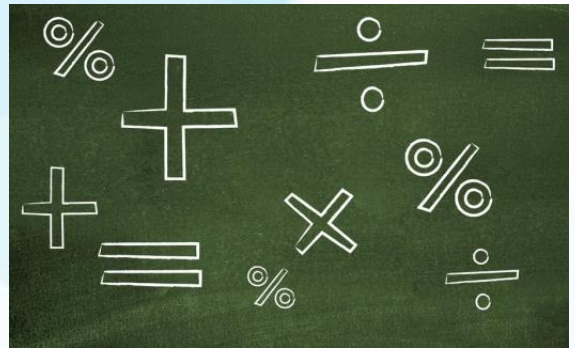
## ADD GOOD HABITS AND SUBTRACT THE BAD ONES

It is necessary to add good habits in oneself. Good habits are essential for improving our manners, staying healthy and for being successful in life. Bad habits are easy to acquire but difficult to eliminate. Most of the time we tend to stick to our bad habits, as we find an easy way out in escaping from our responsibilities. I am very happy that my parents have instilled some very good habits in me. When I see some of my friends not doing well I try to help them by telling them that certain habits that they follow are not good. It is never too late to cultivate good habits. Hence, we must try to add good habits and subtract the bad ones at the earliest.



PRACHI DHONE

V - A



## THE VALUE OF MATHEMATICS IN DAILY LIFE

"Mathematics is a methodical application of matter". It is so said because the subject makes a man methodical or systematic.

Mathematics makes our life orderly and prevents chaos. Certain qualities that are nurtured by Mathematics are power of reasoning, creativity, abstract or spatial thinking, problem solving ability and even effective communication skills.

Be it a cook or a farmer, a carpenter or a mechanic, a shopkeeper or a doctor, an engineer or a scientist, a musician or a magician, everyone needs Mathematics in their day to day life.



APARNA HITALE

V - A



## WHY DO STUDENTS DISLIKE MATHEMATICS?

The thing that makes Math difficult for many students is that it takes patience. Math is not something that comes automatically - it takes plenty of effort. It is a subject that requires students to devote a lot of time and energy. Often, children develop math anxiety when they don't master early math skills. They feel a pressure and lack of confidence when faced with Math, and this causes their brain to freeze and forget even the things they do know. The society that we live in, ranks people who have good Math ability as 'SMART'.

Anyone who is good with numbers is regarded as superior or gifted. This is the reason children get scared the minute they fail, even once. Math is a fearful jigsaw puzzle for many children because they just don't know the purpose of doing it. One quick lesson in the classroom will not make every child learn it's concepts. Some children take time and go slow.

I too didn't like Mathematics earlier. But, once I began practicing it daily I realized how easy it is. Hence, as a student I would like to share this one secret about Math. "Do not fear. For, with practice and patience Math will be clear."

BHAVYA TULSIAN

V - A



**M**istakes

**A**llow

**T**hinking to

**H**appen



# LOOKING AT OUR PROBLEMS WITH A DIFFERENT ANGLE.

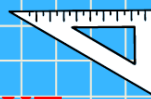
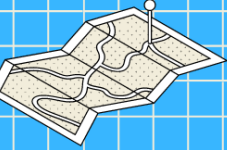
Einstein once said, "The problem is to know what the problem is". Before solving the problem, we must try to understand it very clearly. We should try getting inside the problem to find its solution. If we still can't find our solution, we must change our perspective and try to solve it from a different angle. Maths gives us the ability and a hope that enables us to understand there is no such 'Problem' that has no 'Solution'.

If we find the problem is too complicated, instead of giving up, we should try looking at it through a different perspective. With patience, practice and endurance we definitely will find a solution. To understand Math, one should show interest and willingness. Mathematics requires plenty of practice too. Math encourages logical reasoning, critical, creative and abstract thinking, problem-solving ability and even effective communication skills. I conclude saying that the more I practice, the better I become at solving various problems.



ARYAN BHOIR  
VIII - A





## FUN FACTS ABOUT MATHEMATICS

- \* Among all shapes with the same perimeter a circle has the largest area.
- \* A year isn't exactly 365 days .... It's 365.25 days. That's why we have a leap year every four years.
- \* Zero is the only number that can't be represented in roman numerals.
- \* Abacus is considered the origin of the calculator.
- \* Have you heard about a Palindrome Number? It is a number that reads the same backwards and forward, e.g. 12421.
- \* Have you heard about Fibonacci? It is the sequence of numbers wherein a number is the result of adding the two numbers before it !!!



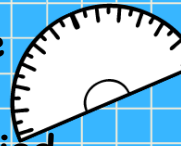
Here is an example: 1, 1, 2, 3, 5, 8, 13, 21, 34, and so on.

ANIKA RODRIGUES  
VIII - A

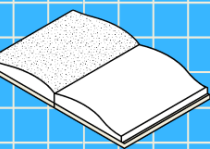


## MATHEMATICS IS FUN

Mathematics is full of fun,  
With so much to learn.  
Profits are added,  
While losses are subtracted,  
Degrees are multiplied.  
Geometry is full of mystery,  
Algebra has a big history.  
Lines are parallel,  
Angles are similar,  
Math is necessary in life  
Without it, it's difficult to survive.



RUDRA PATIL  
VIII - A



# MATH PHOBIA

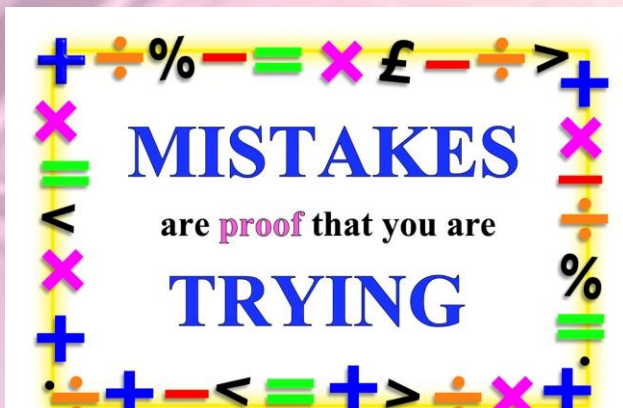
"I hate math."

"I am not a person of numbers."

"I am just not good at maths."

Have you ever uttered any of the above statements? If Yes, then surely you might be having Math anxiety. Math anxiety is a feeling of worry or uneasiness that interferes with the ability to do maths. There are many reasons for it. The fear of Math starts with the notion that it is a difficult subject. This fear has been instilled in us right from a young age by our friends or relatives. As a result, from our very childhood, Math is kept aside thinking that it is a difficult and boring subject. Students lose out on the fundamentals and basics of mathematics at an early age due to fear. This forces the students to rote-memorize Math. Math cannot be learned like that. Math requires a lot of practice, patience and perseverance just like any other subject.

Friends, if we change our perspective about Math, we will soon realize that Math is Interesting and Fun !!!



ADITI BHOIR

VIII - A





# MATHS MAKES ME BRIGHTER AND WISER

Mathematics is used throughout the world as an essential tool in many fields. Early on, I was not interested in mathematics, but one day I realised that only maths was a subject that I felt was hard. Then I started practicing the sums and slowly it became my favourite subject. Maths is not a burden but rather a tool that will help us excel. Whenever I get a chance, I try to solve different types of puzzles and quizzes in maths which increases my mental ability to solve sums.

Studying maths not only made me brighter and wiser but also increased my confidence. It has also helped me in my day-to-day problem-solving abilities. It has taught me to use basic or complicated steps or procedures to formulate new ones.

Mathematics is the secret key of making us improve our excellence and our thought processes. We all are born with the same brain capacity. Some of us utilize it by training and studying. It is never too late to start training your brain with maths.

**Mistakes  
Allow  
Thinking to  
Happen**



VEDANTIKA JADHAV

X - A





## FACTS OF MATHEMATICS



'0' is the only number that can't be represented in roman numerals.

Every odd number has 'E' in it.

'4' is the only number that has same as the number itself.

From zero to thousand only number which has letter 'A' in it is thousand

FORTY is the only number which has letters arranged in alphabetical order.

Percentages are reversible 8 of 25 is the same as 20% of 8 and one of them is much easier to do in your head.

Plus and minus sign symbol were used as early as 1489 A.D.

One magic:  $111 \times 111 = 12321$

$11,11,11,111 \times 11,11,11,111 = 12,34,56,78,98,76,54,321$

ICOSAGON: In geometry an icosagon or 20-gon is 20 sided polygon, the sum of any icosagon's interior angle is 3240 degree.

There are 86,400 seconds in a day.



SHIKHA RAI

XI - SCI

## POEM

Math in life is everywhere,  
Circles, rectangle, triangle, square.

Math is nothing but a game of  
signs,

Slanting, vertical and horizontal  
lines.

Math is like a vast ocean,  
of variable, numbers and their  
fractions.

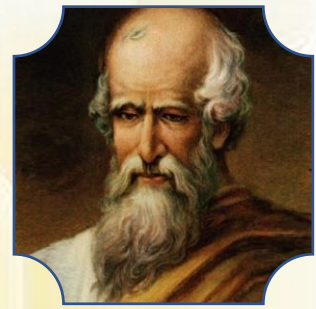
Math provides us with all the  
solutions,

Through theorems, inequalities  
and equations.

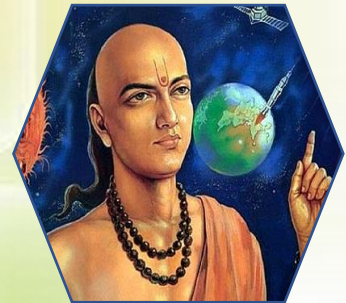
We should be thankful to  
Mathematicians,

They have not been less than  
Magicians.

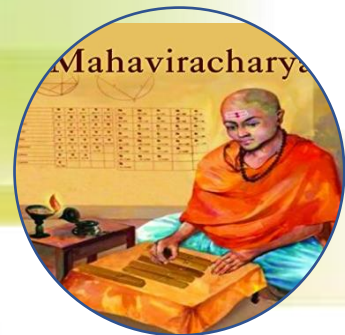
Uses of Math will never end,  
So, let's make it our best friend.



ARCHIMEDES



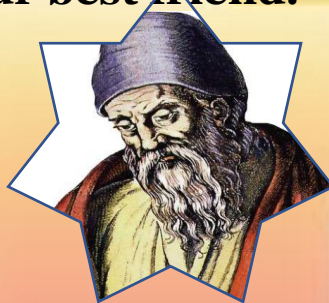
ARYABHATA



MAHAVIRACHARYA



BHASKARA II



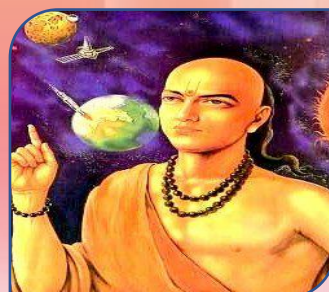
EUCLID



PYTHAGORAS



BRAHMAGUPTA



VARAHAMIHIRA













**Christmas is celebrated on 25 December. It is a holiday to celebrate the birth of Jesus Christ, who, according to Christian religion, is the son of God. The name is a joining of “Christ” and “Mass” which means the Holy Mass (supper, celebration or festival) of Christ.**

**Many things we do at Christmas comes from earlier festivals, like exchanging presents, eating a lot of food, and decorating a tree. It is a time when we enjoy being with our families, making decorations , singing carols, listening to some wonderful Christmas stories and cooking some yummy treats. Christmas is a joyous festival that calls for sharing and togetherness. During this pandemic many people have suffered huge losses in different ways. Let us pray to baby Jesus to bless, comfort and protect everyone. May the birthday of Lord Jesus bring joy, peace and hope to all.**

**STD VIII B  
THOMAS**





# RIDDLES



## Scratch Your Head a Bit!

1. What has teeth but cannot eat?
2. What kind of dog never bites?
3. What wears a cap but has no head?
4. It is black, but you say it is clean. It is white, but you say it is dirty what is it?
5. Which table doesn't have legs?
6. What is never used until its broken?
7. Which is the smallest room in the world?
8. Why did I throw the butter out of the window?
9. What has hands but no feet, a face but no eyes, tells but does not talk?
10. What do you drop when you need it and take back when you don't?
11. What belongs only to you and yet is used more by others than by yourself?
12. I have cities but no houses forests but no trees, rivers but without water, what am I?
13. Which man cannot live during summer season?
14. The more you take away, the bigger I become. What am I?
15. I am full of holes, I can hold water what am I?
16. Two things people never eat before breakfast?
17. What is the thing we cannot eat but than also we have to Buy for eating?
18. The jam we cannot eat?
19. What goes up and doesn't come down?
20. What does not get wet in the water?
21. When I am young, I am tall when I am old, I am short? What am I?
22. What is not alive but have fingers?

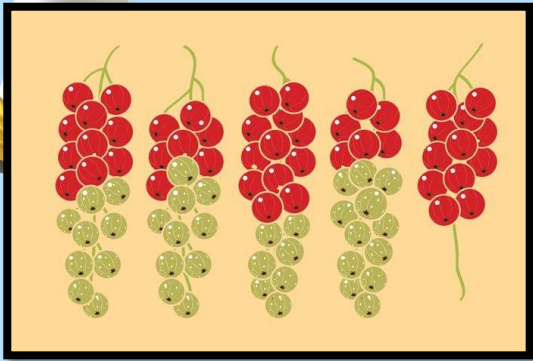
### ANSWERS

1. A comb
2. A hot dog
3. A bottle
4. Blackboard
5. Vegetable
6. Egg
7. Mushroom
8. Because I wanted to see the butterfly
9. Clock
10. An anchor
11. Name
12. Map
13. Snowman
14. Hole
15. Sponge
16. Lunch and dinner
17. Plate
18. Traffic jam
19. Your age
20. Shadow
21. Candle
22. glove

# PUZZLES

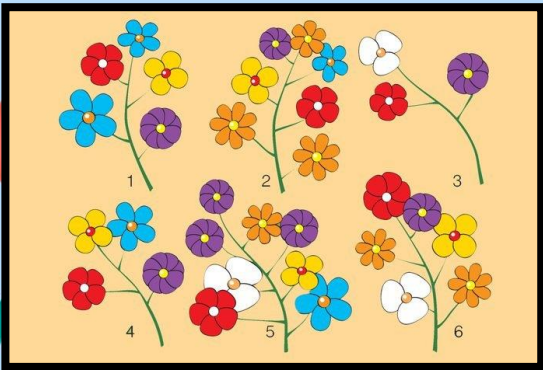
## 1) BERRY PUZZLING

How many unripe berries are missing on the last branch?



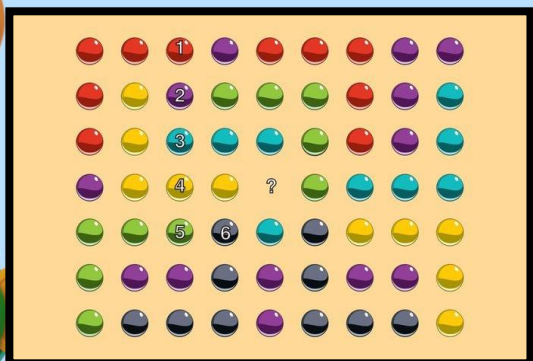
## 2) BLOOMS

Which flower branch (1-6) does not belong?



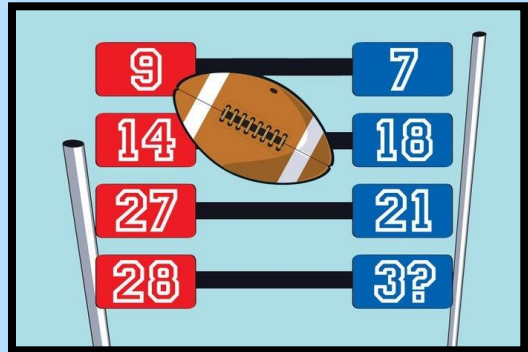
## 3) LOSING MARBLES

Which marble (1-6) should replace the question mark?



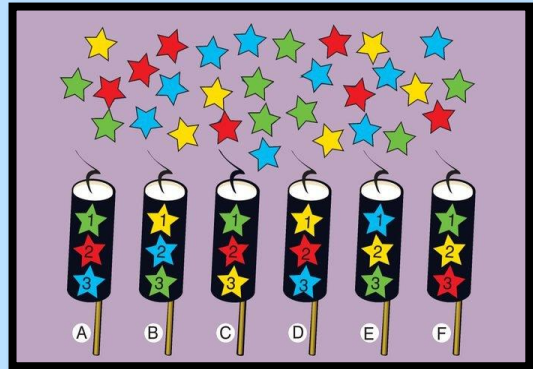
## 4) KEEPING SCORE

Which digit should replace the question mark in the score?



## 5) FIREWORKS

Each firework (A-F) contains 6 stars. Which firework has not been launched, knowing that each gives off 1, 2, or 3 stars of its corresponding color?



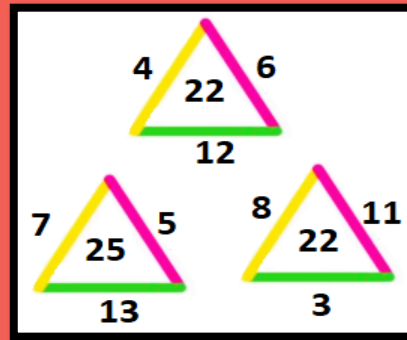
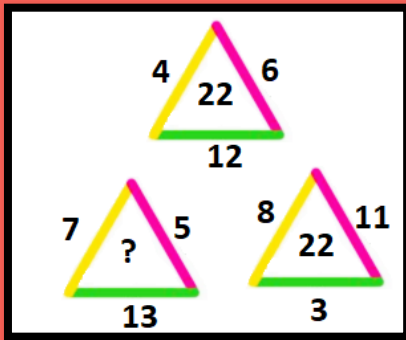
## 6) CREDIT CARDS

Which number is missing on the bottom credit card?



## 7) Triangles

Find out the missing number.



### ANSWERS

1. 6 berries. The next branch always contains just as many unripe berries as ripe berries on the previous branch.
2. Flower branch 2. The top flower of all the other branches has just as many petals as flowers on the branch.
3. Marble 3. All non-purple marbles are in groups of five and form an angle.
4. 6. The difference in the scores forms the following series:  $-2, +4, -6, +8$ . Alternating per column you also see the following two series:  $7, 14, 21, 28$ ;  $9, 18, 27, 36$ .
5. Firework C. There is a total of 9 yellow stars in the fireworks, but there are only 6 in the air. Do the firework math ( $9 - 6 = 3$ ) and you'll find that 3 yellow stars have not been launched yet.
6. The number formed by the two first digits is always doubled. 12, 24, 48, 96, 192 on the top card and 23, 46, 92, 184, 368 on the bottom card.
7. From the given, it can be observed that the addition of numbers exists. In the top triangle,  $4 + 6 + 12 = 22$ . In the second row, the second triangle has a sum of three numbers;

$$8 + 3 + 11 = 22$$

Thus, the missing number in the puzzle is:  $7 + 5 + 13 = 25$