Celebration of GANIT Week (Growing Aptitude in Numerical Innovations & Training)

Mathematics has played a very important role in building up modern civilization. *Sh. Srinivasa Ramanujan* (22 December 1887 – 26 April 1920), a genius mathematician, made extraordinary contributions to mathematical analysis, number theory, infinite series, and fractions.

To commemorate the birth anniversary of Sh. Srinivasa Ramanujan and to actively promote interest of students in Mathematics and its application by promoting Mathematics, the school is celebrating GANIT (Growing Aptitude in Numerical Innovations & Training) Week from 16th to 22nd December 2014.

The study of Mathematics leads to logical and analytical thinking and its learning and teaching enables better understanding of sciences and spirit behind the **GANIT** week is to make the study of Mathematics more interesting and reduce the fear of learning the subject.

17.12.2014 - Essay Writing Competition

Approach, Apply and more "Ahead!" Mothematics, nightly viewed, possesses not only tuuth, but superine beauty cold and austerle, like that of scripture, without appeal to any part of our weaken notine, without the gargeous blappings of painting or nuisic, yet sublimely pure, and capable of a steen perfection such as order the greatest and can show " quoted by one of the witich philosophers and mathematicians - Butrand Ruseu. Life is a simple statement of some anithmetic oppuessions, puolit and loss.
Mathematics deals with a more systematic and logical way of analysing our day-to-day activities. Without mouths, It is wary practically impossible to live a life. Bu the aspects of life more around the mondy and mathematics. Bosic or complex calquations allow us to deal with the world, cay any transaction, totale Weather, construction and to on The best way to arguin knowledge is application of the would has given us great mathematicians like Psythagoras who have explored the magic of numbers. He belonged to creece. his golden approach to mouthernotics. gam us what we can as "Prythogoreus Theorem" This theorem is the today used for most of the geometrical calculations, development's building of hydramic southweel, etc. He game us the different set of humbers. One such set is - Transitional Number the Rumbers which cannot be written in the form of a reation of able to step towards acuelopment.

Aayushi Jain & Prashant Prakash Dubey 10-B

MASTER MINDS BEHIND OUR SUCCESS - MATHEMATICIANS

Maths, Maths is the very soul mantia for today's advancement. Everything around us has mathematics hidden inside it and the correct use of reasoning is at the core of mathematics. The lockpickers of this treasure chest of mathematics is own great mathematicians. These methematicians had divided into the great ocean of mathematics. From calculating the speed of wind to advance stocket science, everything needs mathematics. From the basket full of names of them, we only knew a few of them, some of them are:

- · BLAISE PASCAL
-) MOHAMMAD IBN MOSAAL KHOARIZMI
- & EUCLID
- THALES ,
- As GEORGI (ANTOR Said," in mathematics the art of posing problems is casien than that of solving them! and our great mathematics, sightly viewed, bossess not only the path of success of their conty of a surface of their support of any of a surface of their support of any of the path of success of their them.

Aditya Singhal & Swasti Jain 10-B

ESSAY COMPETITION

It choudhary and of surspective to and is it sometimes with a Simran Jain X-B School: D.A.V Public School, Syeshtha Vihax

HEROES OF NUMBERS

"To live in the world without becoming aware of its meaning is just like wandering in a library without touching the booke?" We all know earth is round, there is some kind of gravitational pull which a joining us to the earth. These are the facts of Science, But if we go deep down, then it is all related to MATHS.

ARYABHATTA, the great mathematician (A.D. 476-550) Entroduced the number '0' which is the base of mathematice. Had there been no Aryabhatta, our counting would have been limited and we would not have reached at this point of time where we are night now. The first use of the idea of 'sine' in the way we use in today was in the work of Aryabhatiyam by Aryabnatta.

Care Friedrich Gaus (1777 - 1855) 's often referred to as the 'Rrince of Mathematiciane' and in considered one of the twee greatest mathematiciane of all time, along with Archimedes and Newton. He has made fundamental contributions to both mathematics and ccience.

« In mathematica the ast of posing problems is easier than that of solving them."

Iti Choudhary & Simran Jain 10-B

Hence, all mathematician are toyal possessions.

The word Algorithm comes from the name of 9th century Pereian mathematicians al-knoarizmi. In fact, even the word algebra, he derived from a book, he wrote, called Hisab al-jabz wal - mugualala.

There are so many marhematiciane, that we can't name all of them-like Pythagorae, s. Romanujan, G. w. leibnitz. etc.

Human nature will not flourish, any more than a potato, if it be planted and re-planted for two long series of generations in the same worn-out soil. There are a lot more mathematicians to come who would succeed them and flourish in the fields of Mathe.

Destiny conceale what dreams neveals. Hence there are many more dreams to come which would help us in succeeding at every steps in one lives.

Iti Choudhary & Simran Jain 10-B

ESSAY COMPETITION

Submitted By: Khushboo Sagar Somya Rustagi

class: X-B

School: D.A.V Rubuc School, Sreshtha Vihar.

THE BEAUTY OF MATHEMATICS

Poloofs are to Mathematics what calligraphy is to poetry. Mathematical works do consist of proofs just as poems do consist of characters." A beautiful comparison indeed by Madimin Amold. The wonderful would we live in is entirely captivated by mathematics. Whichever place we turn our eyes on is surrounded by its applications from a kid counting topees to the complex accounts had handling by a bank, from the smallest needle to biggest industrial machinery, from calculating angles in school to winning machinery, from calculating angles in school to winning kagel was using trigonometry, every single thing from korgil was using trigonometry, every single thing from knew smallest to largest real nevolves around mathematics.

Mathematics is an organised sector of the circle of human life. Bush Every line that we write is involved mathematics, like above, sector of a circle. There is no mathematics, like above, sector of a circle. There is no doubt that the our would nevolves around mathematics of mathematics. But as we know, heavily his in the eyes of mathematics the beholder, the same way, the beauty of mathematics is observed and appreclated by a few brainstars is observed and appreclated by a few brainstars is observed and appreclated by a few brainstars is observed but history of our world has Our world has given bith to great brainstars, the magnificient has given bith to great brainstars, the magnificient mathematicians who saised the beauty of mathematics to another level.

Khushboo Sagar & Somya Rustagi 10 – B

The present world is a plift from them for us. Whether It be Aryabhatta of or Rythagoras or Euclid or Su Isaac Newton or Albert Einstein or P.S. Laplace or Henri Poincase On any such great men have given us so much to embrace on and learn from.

Aryabhatta, the Indian hero gave the world O and made the counting possible and sin of for trigonometry. Pythagoras, the donor of pythagoras theorem made it possible to study right triangles. Isaac Newton gave us the new class of functions called exponential and logarithmic functions. Henri Poince, the father of differential equations gave the world the chapter on Integral Calculus, We, the whole world are completely completely thankful and respectful to these great men who of developed us all and raised the level and beauty of mathematics.

Khushboo Sagar & Somya Rustagi 10 – B

· The Golden Life of S. Ramanujan

Mathematics, sughtly viewed, possesses not only truth, but supreme heavily - a heavily isld and austere, like that of sculpture, without appeal to any part of our weaker nature, without the gargeous trappings of perinting or music, yet subtimely pure, and capable of of stern perfection such as only the greatest and can show. There were many quant mathematicians who were able to enjoy the seartly of mathematics and emptode emplore more and more concepts with passage of time one of such great mathematicians was serinivas Ramanujan, when the boys of his age laughed at the concepts of mathematics, he was the only one who was keen to know the logic behind every concept. this curuosity grew so much that the he persued this career in I mathematics only and was eager to touch the base of every concept. He was born in Frode on 2 Ind December, 1887. He was one of smolars greater mathematical genium. Using one of this identities, mathematical have been able to calculate the value of Theoriest to millions of places of decimal. He was so much involved that he use almost 2000 pages per month to colle his problem. Because q his financial problem, he was not able to afford such a large number of pages. That's why, he use same paper twice or their with differed coloured into to redice wartage of paper. He even use papers lying on roadside. He used to play with numbers as if he is playing with toys. As time podesed, he did nots of hardwork I and achieve success. But on 26 april, 1920 in cheunai But due to some discase, he died on 26 April 7 1920 in chennai, But still weall still remember him for his outstanding work and that great personality of him can never ever forgetted by anyone.

Vanshika Jain Somya Gupta X-B.

THE GREAT MATHEMATICIANS

D.A.V. Public School, Sceshtha Vilas.

The mathematicians who are merely mathematicians greason correctly, but only when everything has been explained to them in terms of definitions and Principles," Great lines said by Blaise Pascal. Also, Aryobhatta, the great Indian Mathematician, led the foundations of mathematics.

Moths, it is considered as the very soul of today's advancement. And India her also contributed a lot in the field of moths, especially by giving a big Zero, which is an important landmork in the history of mathematics.

Carl Friedrich Gauss, Well-known as the Prince of Mathempticians is also considered as one of the three greatest mathematicions of all time, along with Archimedes and Newton. Also, he has made fundamental contributions to both mathematics and Science.

At famous Greek mathemamatician Thales' (640 546 B.C.)
gave an important truth related to triangles. If theorem has been also named after him, well-known as Thales Theorem.

Vanshika Jain & Somya Gupta 10-B

Pierre Simon Laplace, with some other mathematicians like Dames Bernoulli and A. De Moivre contributed a lot in the probability theory. J. Cardan whote his first brook on the Subject, the book on Games of Chance, which was also telated to probability.

The Great Indian Mathematician Anyabhata, used the words ardha-ja, for the hay-chood. He wrote all these theories in his famous book 'Anyabhatiyam', which was later translated into trabic and also introduced trigonometry.

Jone other mothernaticions like S. Ramanijan and Euclid along with Pythogonys have also played an impostant role in the field of mathematics.

It is due to these mathematicians that we are so developed today, both technically and economically.

Vanshika Jain & Somya Gupta 10-B

18.12.2014 - Quiz Competition

A quiz was conducted in Class 8, where the entire class was divided into 5 teams and the questions were more of logical reasoning based on the curriculum of class 7 and 8 both.







Participants of Quiz

Team A

Vanshika, Yuvraj, Shrey, Pooja, Agranya, Riya, Muskann, Amisha, Divyanshi

Team B

Prerna, Vaibhav, Utkarsh, Raghavi, Sarthak, Pranav, Tushar, Raghav, Ishita

Team C - WINNER

Sarthak, Binwant, Neha, Manan, Ubaid, Karamveer, Shrey, Shubhankar, Ayushi

Team D

Dev, Srijan, Isha, Saksham, Manan, Swastik, Ishika, Manan Arora, Ekaksh

Team E

Ishika, Karan, Amanpreet, Abhaya, Arihant, Aditya, Keshav

19.12.2014 – Experience Sharing on Innovation by Teachers and students





	Name - Manas Shekhar
	Class - IX 'C'
	VEDIC MATHS
	Techniques of Multiplication given by Vedic Maths
1	Multiplication by 11 (i) $\times \frac{24}{11}$ $\Rightarrow 24\times 11 = 264$ (ii) $48 \Rightarrow 48\times 11 = 528$ [2 6 4] $412 8$
→	Multiples of $11 = 22, 33, 44$
2.	Multiplication of 2 digit number by 2 digit number when the tens place digit is some and somme of ones place digit is some.
()	is same. 8^{4} $79 \Rightarrow 79 \times 71 = 5609$ 71^{8} $76 \mid 09 \mid$
(li)	$\begin{array}{ccc} 4^{3}38 \\ \times 32^{3} \end{array} \Rightarrow 38\times32 = \boxed{1216}$ $\boxed{12 \boxed{16}}$

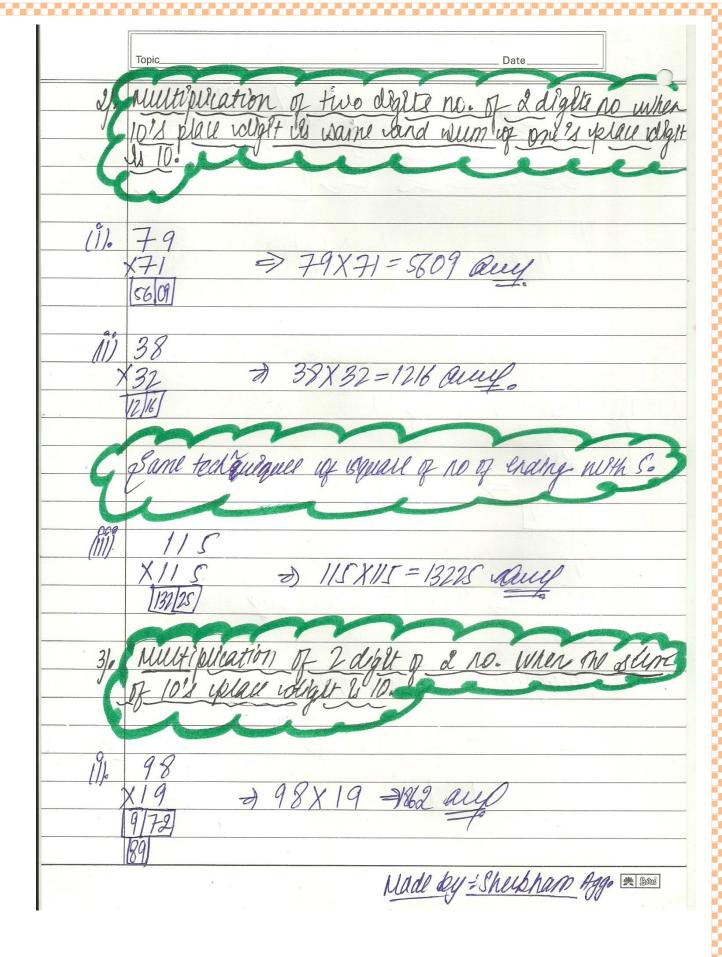
1		
	Topic	_ Date
(i)	Same technique for sq. of no. ending $35^{2} = 35$ 35 $ 12 25 $	with \$ 5
(ii)	$\frac{115^{2} = \frac{125}{115}}{115} \Rightarrow \frac{115}{115} = \frac{132}{132}$	25
3.	Multiplication of 2 digit no. by 2 digit number of tens place digit is 10. (ixi)	when the sum
	$\begin{array}{c} 98 \\ \times 19 \end{array} \Rightarrow \begin{array}{c} 98 \times 19 = 1862 \\ \boxed{9 89 72} \end{array}$	
		e Baus

Naina	DAY PUBLIC SCHOOL SRESHTHA VIHAR
IX-C	TopicDate
27	
	VEDIC MATHS
	Techniques of Multiplication given by Veolic Myth.
1 (MULTIPLICATION BY 11)
(1)	24
	$\frac{x11}{2 6 4}$ $\frac{24x11=264}{2}$
9.9	
(ii)	48
	$\frac{x}{4}$ $\frac{11}{128}$ $\frac{48 \times 11 = 528}{1128}$
	5 28
0.00	
(iii)	Hultiples of 11 = 22, 33, 44
	$24 \rightarrow 24 \times 2 = 48$
	$\frac{x22}{x11} = 528$
	4/15/8
	5 28
	Lani .

	Topic Date
2	Multiplication by 2 digit number by 2 digit number
	when tens place is some and sum of ones place digit
(i)	79 (11) 38
	X 7 1 X 3 2 12 16
	Same techique for squares of number ending with 5
	since caragae for squares of rainbox crains was
(i)	35^2 35 (ii) $65^2 = 65$
	x 35 × 65
	12 25 42 25
-	35x35=1225
	Muttiplication of 2 dait number by 2 digit numbers
	when the soum of ton's place is ten.
(1)	98
	X19
	9/89/72
-	98 x 19 = 1862.
<u> </u>	

Name-	Shubham Aggarwal
Sec : C Pro: 40	Topic School name -: D.A.V Public School Sireshtin Date What deeps- 110092
	Lett Alts.
*	Taquenique of Multiplication gener
	by Vedic Maths:
. J.	Multiplication by 11
(ı̈́)	24 X 1 => 24 X / 1 = 264 Aug 2 6 4
	48 X11 => 48X11 = 528. Buy [5]2]8]
(111)	Multiplies of 11 = 22933,44
	24 X 2 = x48 =>48X11 = 528 Aug 22 [5 [2 8]

M Ldus



	Topic Date	
	TopicDate	
,		
	Name - Siddharth	
	Class - IX-C	
	CHISS - IN C	
	VEDIC MATHS	
	Techinques of multiplication gu	ren
	ley vedie maths	
	1 Multiplication lou //	
	1. Multiplication lay //	
	. +	
	(1) 24	
	(i) $2^{\frac{1}{4}}$ $\times 11$ = $24 \times 11 = 264$ $\times 11$ $48 \times 11 = 528$	
	21614 411218	
	5/2/8	
	(iii) Multiples of 11 = 22,33,44,	
	$24 \times 2 = 48$	
	×22 ×11	* 3
	4/12/8	
	528	
	520	
	2. Multiplication of 2 digit by 2 digit	cuhen
	ten's place digit is same an	d
	sum of one's place digit is care	ey.
	5×79 = 79×71=5609 (1) 38 38×32=1216	
	×71 32	NV
	56/09 12/16	3
		0.5
	Same legnique for squies of no. en	nding
	with 5	U

35 ² 35 35×35=1225	1152=115	115×115= 13225
12 25	132 25	
3. Multiplication of 3	digit no. by	2 digit no.
when the sun	of ten's place	e digit
is 10	8	
98		
19 = 1862		
9 89 72		
CR		
		* .
	4	
		Algebra
		edus"

20.12.2014 – Screening of film produced by Vigyan Prasar





Stills from the movie





22.12.2014. Origami and poster competition





