



National Mathematics Day 2021

By Manisha Jadhav



India celebrates National Mathematics Day on **December 22** every year. The day marks the birth anniversary of famous mathematician **Srinivasa Ramanujan**. In 2012, then Prime Minister Manmohan Singh Declared the date as National Mathematics Day to honor the great man.

Srinivasa Ramanujan was

born on December 22, 1887 at Erode, Tamil Nadu.

Ramanujan studied at the Government College in Kumbakonam in 1903. In college, he failed exams due to his negligence for non-mathematical subjects.

In 1912, Ramanujan started working as a clerk in the Madras Port Trust. It is in this place his genius was recognized by a colleague who was also a mathematician. The colleague referred Ramanujan to Professor GH Hardy of Trinity College, Cambridge University.

Ramanujan joined Trinity College a few months before World War I began. In 1916, he received a Bachelor of Science (BSc) degree. Next year, he was elected a Fellow of the prestigious Royal Society for his research on Elliptic Functions and theory of numbers.

In the same year, in October, he became the first Indian to be elected a Fellow of Trinity College.

Ramanujan returned to India in 1919. A year later, he breathed his last at the age of 32.

The 2015 movie '**The Man Who Knew Infinity**' was released based on Srinivasa Ramanujan's biography. It describes the mathematician's life and journey towards establishing the famed mathematical theories.

Ramanujan's mathematical genius was such that he discovered his own theorems and independently compiled 3900 results.

As mentioned in Ramanujan's biography 'The Man Who Knew Infinity' by Robert Knaigel, GH Hardy once went to visit Ramanujan at a hospital. Mr Hardy told him that he came in a taxi with the number '1729' which seemed to be an ordinary number. Ramanujan said that it was not. 1729, later termed the Hardy-Ramanujan Number, is the smallest number which can be expressed as the sum of two different cubes in two different ways, he said. The DST-ICTP-IMU **Ramanujan Prize** for Young Mathematicians from Developing Countries is a mathematics prize awarded annually by the International Centre for Theoretical Physics in Italy. The prize is named after the Indian mathematician Srinivasa Ramanujan. It was founded in 2004, and was first awarded in 2005.

Neena Gupta, a mathematician and professor at the Indian Statistical Institute in Kolkata, has been awarded the 2021 DST-ICTP-IMU Ramanujan Prize for young mathematicians from developing countries. She received the prize for her outstanding work in affine algebraic geometry and commutative algebra, in particular for her solution to the Zariski cancellation problem for affine spaces.

Neena Gupta is the third woman to receive the Ramanujan Prize, which was first awarded in 2005. She is the fourth Indian to win this prestigious prize. Prior to her, three of the other four winners are also associated with the ISI Kolkata.

Did You Know ?



- The 'Relation' was the world's first newspaper. It was printed in Staatsburg, Germany.

- Father of the Indian Press is James A. Hickey.

The first newspaper in India is Bengal Gazette. Bengal Gazette was published by James A. Hickey. It started its publication from Kolkata in 1780 January 29. The newspaper is also known by the name of 'Calcutta General Advertiser'. Bengal Gazette ceased publication in 1782. It was published in English Language.

- 'Knowledge Magazine' by 'The Hitavada', Nagpur is the largest children's magazine in India. It records its name in the 'India Book of Records'

- First Indian Language newspaper was 'Samachar Darpan' in Bengali.

- The first Marathi Newspaper is Darpan (1832).

- The largest number of newspapers are published in the State, Uttar Pradesh.

- The Times of India was founded in 1838.

- The Times Group publishes The Economic Times (launched in 1961), Navbharat Times (Hindi language) and the Maharashtra Times (Marathi language).

- The main regional newspapers of India are Malayala Manorama, Dainik Jagran - (Hindi -Uttar Pradesh), Anandabazar Patrika (Bengali - Kolkata).

- Some of the prominent newspapers in India are The Statesman, The Times of India, The Telegraph, The Economic Times, Indian Express, The Hindu, Anadabazar Patrika, The Tribune etc.

- No Newspapers are published from Arunachal Pradesh & Lakshadweep.

- First financial daily newspaper of India is The Economic Times.

- The leading business newspaper is The Economic Times.

Thank you

An Educational Trip to ARDE, (Pune, India)

By Tanish Walimbe (12 years old)

There was an educational trip arranged by our teachers to (ARDE) The Armament Research & Development Establishment is a laboratory of the Defence Research and Development Organisation. Located in Pune, it is the main DRDO lab involved in the development of conventional armaments. ARDE was established in 1958, with the goal of achieving self-sufficiency in the field of Armaments. ARDE started working from a rudimentary facility within the campus of Ammunition Factory, Khadki of the Ordnance Factory Board. Personnel were drawn from the erstwhile Technical Development Establishment (Weapons) located in Jabalpur and Technical Development Establishment (Ammunition) at Khadki of the Indian Ordnance Factories.

In 1966, ARDE moved to its present location at Pashan, on the outskirts of Pune, next to the National Chemical Laboratory, a major CSIR Laboratory

We all reached the main gate at 11.00 a.m.

The first thing that we saw there was a tank and then we saw a missile launcher we went on. Then we held a 3.5kg gun, then we saw different fuzes, one fuze was designed by Shlok's father and his teammates. We all got a chance to hold various types of guns, one of them was Sniper which weighed 20kg,

Four giant missiles one of them was the guided Pinaka and guess the price was 70 lakhs!!! and the launcher was 10 crore.

We all enjoyed the visit. It was a great experience for all of us.

Thank you

The Rescue of Princess Bella

By Reyansh Baralay (8 years old)

Once upon a time, Princess Bella was bored sitting in the castle and telling Everyone knew what to do, so she snuck past the guards because the guards were also telling her that “she should not go out of the castle as it was dangerous”.

One day, she took a magical staff and she teleported herself out of the castle, and the outer walls of the kingdom. Once outside the kingdom, Princess Bella felt liberated and free. That feeling, however, did not last that long. As the day went on, she

began to hear the howls of the beasts in the jungle. Were they dragons? Or perhaps mammoth snakes, maybe they were hunting packs of blood-thirsty



wolves. Princess Bella was scared and so she started running. She was lost. Neither did she know that when she teleported out of the castle, the magical staff didn't come with her, so she was anxious and worried. She didn't know how to get back! She began to run faster and farther. After hours of running, she was tired, and then she sat down still fearing for her life. Far in the distance, she saw what seemed to be people walking toward her. Bella got excited and waved at them. The people saw her and started to run toward her. “Finally, I am saved, I can't wait to get back to my castle and my bed. I can't wait to see my mother and father and be back in the comfort of my home again” said Bella to herself.

Her excitement turned to horror when she realized that the people running toward her were not people, but the much-feared Trolls from the land of the fire pits.

The land of the fire pits was a dreaded land, quite since the distance from the kingdom. Bella had heard stories of horror and fear of little kids who got lost outside of the kingdom, and were never heard from again, but one could hear the screams and cries come from the direction of the fire pits. People always said that there lived trolls in the land of the fire pits. But Bella had never believed them. Now she was about to find out what if those stories were true!

The trolls cast their enchanted web over Bella and threw her

into a spell of drowsiness. She couldn't move her hands or feet. The trolls had her.

Meanwhile, back in the kingdom, Queen Sia had started to worry, as Bella had not come out for her morning breakfast. She summoned the guards and asked them to see what was taking Bella so long? She thought that Bella was probably still sleeping, being the princess, she always liked to sleep in, especially on Sundays!

The guards knocked on Bella's bedroom door. She didn't answer. After 30 minutes of knocking on the door, the guards broke the door and found out that Princess Bella was nowhere to be found. The Queen summoned the Knights to her court. “Take all the Knights of the Kingdom and go find Bella, leave no corner of the Kingdom (and beyond) unturned”. The queen entrusted this great responsibility to the bravest Knight of them all, Sir Reyansh of UnSchool. Sir Reyansh was known for his heroic deeds. He was known for slaying 10 lightning dragons in a single swing of his enchanted ice sword. Now it was all up to Sir Rey. He donned his gleaming armor, mounted his pegasus, and set out to search for.

Sir Rey charged into the treacherous forest with his sword slaying. He encountered a thousand feet high monsters with thorns all over them and 100 feet long serpent anacondas. His resolve was not shaken, he marched on. They finally encountered the mightiest of all monsters, Kiser Godzilla - the king of all monsters. Sir Rey battled the monsters with his bare hands, with his sword in tow. Ultimately, he was victorious against all of the monsters. When Kiser Godzilla fell, he told Sir Rey that the Trolls of the fire pits had kidnapped Princess Bella. Now it was up to Sir Rey to go into the fire pits, fight the trolls and rescue Princess Bella. Sir Rey commanded his Pegasus to take a leap and go toward the fire pits. Flying over the fire pits, he spotted the island in the middle of the biggest fire pit where the Trolls were keeping the princess. He landed the Pegasus and went straight to the cage. With a stroke of his sword, he was battling the Trolls. Sir Rey swung left and the trolls went right. This mortal combat lasted for a whole day, Sir Rey not relenting, he finally defeated the Trolls. Sir Rey had rescued Princess Bella and brought her back to the Castle. The Queen was overjoyed and in her infinite grace and gratitude, the Queen granted Sir Rey dominion over the kingdom of Anubhuti.

Moral of the story: The grass may be greener on the other side, but when you go to explore it, make sure you watch out for trouble!.

कोकण प्रवासः

लेखकः – वैदिकः ठक्करः (९)



कोकण अतीव रमणीयं स्थलं अस्ति। अहं पूर्वं कदापि कोकणं न गतवान्। वयं गुरुवासरे प्रातः सार्धपञ्चवादने कोकणं गन्तुम् प्रारंभं कृतवन्तः। चत्वारः कारयानानि आसन्। मार्गे प्रातराशं कृत्वा मृत्तिकाकार्यं दृष्टुम् गतवन्तः। तत्र वयं एकं कुटिरं अपश्याम्। तस्मिन् कुटिरे विविध प्रकाराणाम् मृत्तिका आसीत्। अनन्तरं चक्रस्य उपरि एकः कुम्भकारः घटं कुर्वन् आसीत्। तत् वयं दृष्टवन्तः निर्मातुम् प्रयत्नं अपि कृतवन्तः। ततः वयं पुनः प्रवासं कृतवन्तः। मार्गः बहुसुन्दरः आसीत् पर्वतमार्गः आसीत्। मार्गस्य उभयतः वृक्षाः आसन्। बहु रमणीयं तत् दृश्यम्। तत् दृष्ट्वा वयं गंगालहरयाः पारायणं कृतवान्। संध्याकाले कोलथरे ग्रामं प्राप्तवन्तः। तदा एव वयं समुद्रतटे गतवन्तः। द्वितीयदिने वयं सूर्यनमस्कारान् कृतवन्तः। प्रार्थनां च अकुर्म। ततः वयं समुद्रतटं गतवन्तः। समुद्रस्य अंतः अपि सूर्यनमस्कारान् कृतवन्तः। वयं समुद्रस्य अंतः बहु कोलाहलं कृतवन्तः। संध्याकाले वयं दीपस्तंभं दृष्टुम् गतवन्तः। मार्गे समुद्रः आगतः। वयं फेरी नौकायां कारयानेन सह गतवन्तः। दीपस्तंभः पर्वतस्य उपरि आसीत्। दीपस्य परितः बहु भिन्नाः काचः आसीत्। तृतीये दिने पुनः प्रार्थनां सूर्यनमस्कारान् च कृत्वा समुद्रतटं गतवन्तः। तत्र मृत्तिकायां बहु क्रीडितवन्तः। वयं खननं कृत्वा कूपं निर्माय तस्य अन्तः जलं पूरयामः स्म। आगत्य वयं जलं उष्णं कर्तुम् काष्ठदहनं कृतवन्तः। चतुर्वादिने वयं वेलान् वृक्षान् दृष्टुम् गतवन्तः। तत्र एकस्य वृक्षस्य पर्णानि आश्चर्यकारकानि आसन्। तत्र वयं विविधान् वृक्षान् दृष्टवन्तः। मम पिता पुगीफलस्य वृक्षं आरोहत्। अहं अपि प्रयत्नं कृतवान्। पञ्चवादने वयं सूर्यास्तं दृष्टुम् गतवन्तः। ततः बहून् शङ्खान् शुक्तिकाः च आनीतवन्तः। आगमन समये वयं मृत्तिकां अपि आनीतवन्तः। चतुर्थे दिने वयं पुनः प्रवासः कर्तव्यः। वयं नारिकेलस्य पत्रस्य उपरि उपविश्य कारयानं क्रीडितवन्तः। पुनः निसर्गस्य रमणीयतां पश्यन् गृहं आगतवन्तः।

कणात कोल्हेकुई

वार्ताहर – राही देशपांडे (८)



गेल्या आठवड्यात आम्ही कोकणात गेलो होतो. आम्ही तिकडे – म्हणजे कोळथरे गावी – चार दिवसांसाठी गेलो होतो. तिसऱ्या दिवशी संध्याकाळी चारच्या सुमारास अमेयकाका (म्हणजे अमेय ढवळे, आमच्यातील आरोहचे बाबा) आणि चिरागकाका (वैदिक आणि श्रेयकचे बाबा) हे गोडबोले आजींच्या घराच्या मागे वाडीत फिरायला गेले होते. तिथे ते सुपारीची झाडं बघत होते. तेवढ्यात त्यांना तिथे एक कोल्हा दिसला. त्यांना खूप आश्चर्य वाटलं. तिथून आल्यावर त्यांनी ती गोष्ट आम्हाला सांगितली. त्यावेळी गोडबोले आजी म्हणाल्या, की पहिले कोल्हे फक्त सुर्यास्तानंतर अंधार पडल्यावर किंवा रात्रीच दिसायचे. पण आता वातावरणात बदल झालाय. आणि मधल्या काळात दोन मोठी वादळं पण येऊन गेल्याने कोकणात परिस्थिती खूपच बदलली आहे. त्यामुळे कोल्ह्यांची सगळी घडीच विस्कटून गेलीये. ह्या सगळ्या उलथापालथीमुळे आजकाल कोल्हे कधीही दिसायला लागले आहेत.

My Exciting Beach Holiday!

By Archit Korke (9 years old)



My mother gave me and Anish a pleasant surprise when she told us that we were going on a week-long holiday and the best part was that we were going to a beach along with our cousins!

We packed our bags (well mom did) and my uncle, aunty and cousins came over to stay the night before. Next day we all left for Devbag at 4 in the morning. It takes 9 hours to reach Devbag in Konkan. We slept peacefully in the car for 4 hours and when we woke up; we had already reached Kolhapur at 8am. The ghat after Kolhapur was a bit scary but we made it! After a gruelling 9.5 hours of car ride we finally reached our hotel, Windmill resort.

When we reached the resort all our complaints about the travel vanished. Our room was amazing! It was literally on the beach..

Me Anish and our cousins, Aabha and Rama ran to the beach and played in the sand. Our uncle, Chandan mama, noticed that the local fishermen were pulling a giant net from the sea, so we all went to check out their catch. The catch was huge! They had caught thousands of fish, squids, even a little sting ray and there were lots and lots of Jellyfish. We were told not to go near the Jellies as they sting very badly. Chandan mama held a huge cuttlefish who squirted his black ink on me.

Now I know that cuttlefish ink is not machine washable.

Next day we went to a place called Tsunami island by boat and then I had the most wonderful experience of parasailing with my mom. We were floating in the air for about 5 minutes and could see far away places.

Our hotel had the most amazing swimming pool. I made sure that

we all swam in the pool and in the ocean every day. The best part of swimming in the ocean is to ride the waves.

One night Chandan mama booked two boats and we all went fishing in the sea. We were very lucky and caught many fish in just a few minutes.

We made an amazing sand castle with many secret entrances and places to trap the enemy and also decorated it with lots of beautiful seashells. I also made a very deep hole in the sand.

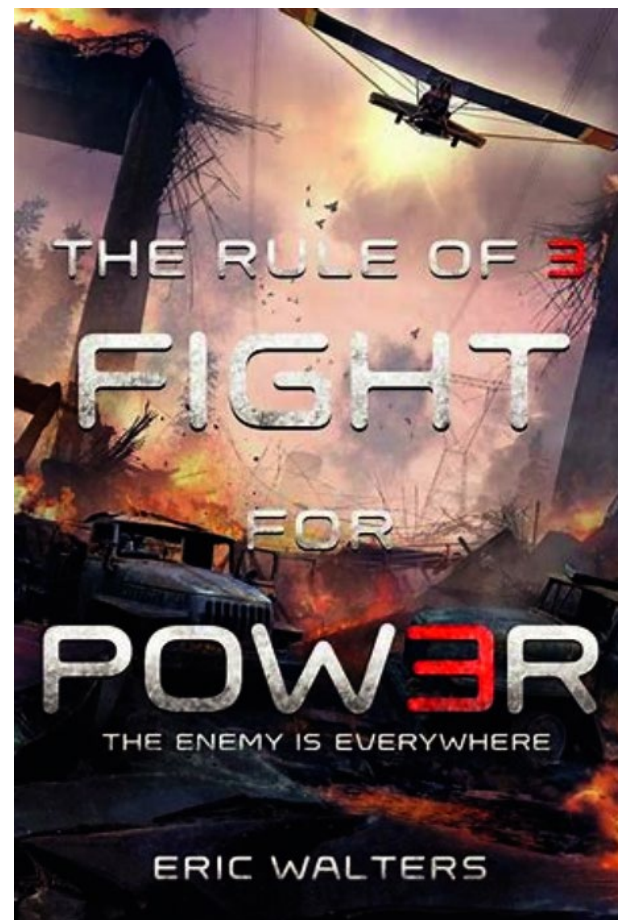
I found many different types of hermit crabs, shells and barnacles which I gently released back in the ocean. The night when we were enjoying a kulfi at midnight on our balcony, we saw something shine in the ocean. We ran down to the beach and saw bioluminescence! That was the best moment of my trip.

My mom loves scuba diving, so she went for a dive when me, Anish, my cousins Chandan mama and Aarti mami, we went to watch dolphins. Again we were super lucky and saw 20- 25 dolphins jumping right in front of our boat.

On our last morning, we rode some waves in the sea and cleaned up and got ready for the journey back.

Fight for power

By Arham Bhatewara (8 years old)



The Gir National park was made in 1965 to save the Asiatic Lions. This book is about one such lion called Narsimha. He was one of the 395 lions left in Gir forest. The Gir forest is today over crowded because of road and railway lines and tourists. So Narsimha went to Central India where he found a

savannah which was ruled by a tiger called Raja. Both of them got into an argument about who is stronger. They argued about strength, speed and importance in India. Suddenly poachers came and "run" shouted Raja.

The Jungle belongs to the animals.

The Tiger and The hunter

By Reyansh Baralay (8 years old)

Once upon a time, there was a tiger named Leo. He was going to the watering hole to drink some water. While going to the watering hole, Leo found an elephant who was hurrying away in the opposite direction. Leo continued on to the watering hole to see what was scaring the elephant away. After looking around a while, Leo found a tiger cub who wanted to play with someone. It seemed like the tiger cub had scared off the elephant. Leo said to himself "Mystery solved!". Little did Leo know that the elephant was not really running away from the tiger cub. Relaxed he had solved the mystery, Leo proceeded to go closer to the water to take a drink. He was so thirsty from the long walk from his hunting grounds. As Leo got closer to the water, he could sense something was very very wrong! He looked up, across the watering hole and he saw the blades of grass moving so slightly. Suddenly, the birds all around him flew away as though danger was near. By the looks of whatever it is, it could have kidnaped my friends, Leo thought.



Leo was best friends with Cot, Flea, Dig, and Fot. They had been friends since childhood. Bang! Before Leo could figure out what was going on, a huge metal cage encircled him. Leo was petrified. He could smell his friends in the cage but little did know that his friends had escaped the hunters attempt at capturing them. Before they lifted Leo up, he noticed that there were two of them. The first one fired the dart at him. When Leo woke up, he found himself in a strange place - where there were thousands and thousands of hunters.

Leo had to find a way to escape. Too tired, he took a tiny nap in

the cage. When he woke up, Leo instantly saw that his friends had indeed not been captured, but were outside of the cage trying to help him escape. Fot sneaked to the guards that were supposed to be guarding the cage and stole the keys. Fot rushed to Leo's rescue and released him from the cage. They sneakily left, but unfortunately Dig stepped on a pressure plate that activates a trap. After that, when the trap is activated, a very very loud alarm blares on and the tranq darts start shooting at Leo. He thought of a reason why the darts were shooting at him only. He was the only tiger that was recognized by the sensors. The machine only wanted to target Leo because the machine didn't know any of his friends. So then they fled and ran to their home.

Moral of the story: Always take a closer look at everything. Leo thought the problem was solved when he saw the baby tiger and he stopped. But he should not have stopped there, he should have checked more. Thank heavens for Leo's friends that Leo was rescued and safe.

Padu the Dhadu – My Little Prince

By Advika (7 years old)



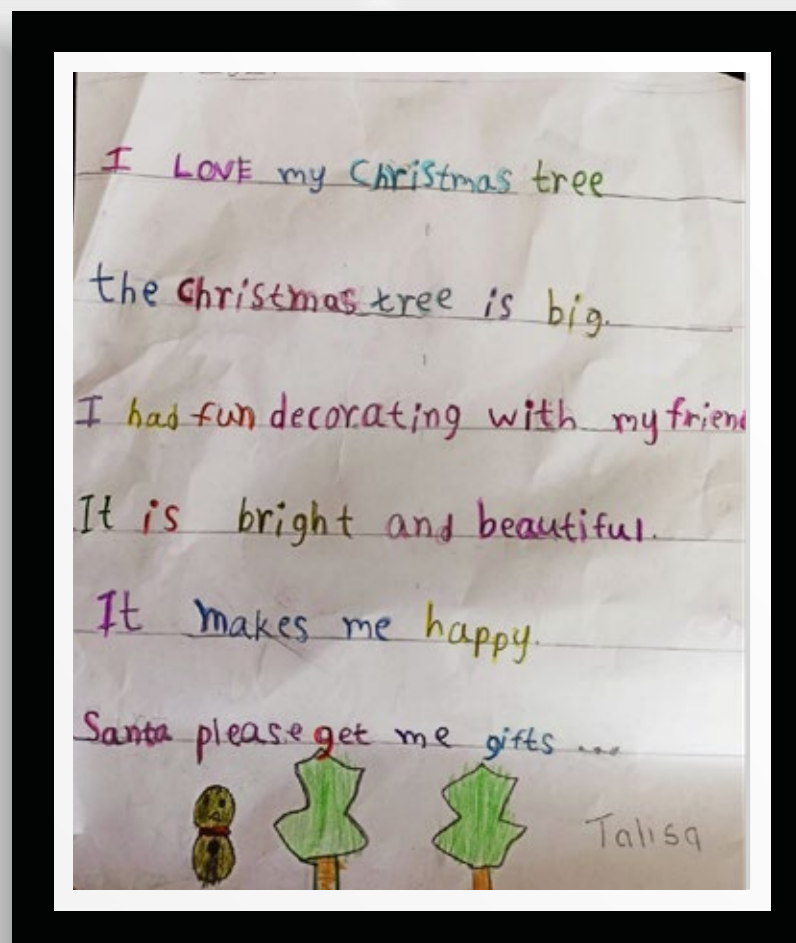
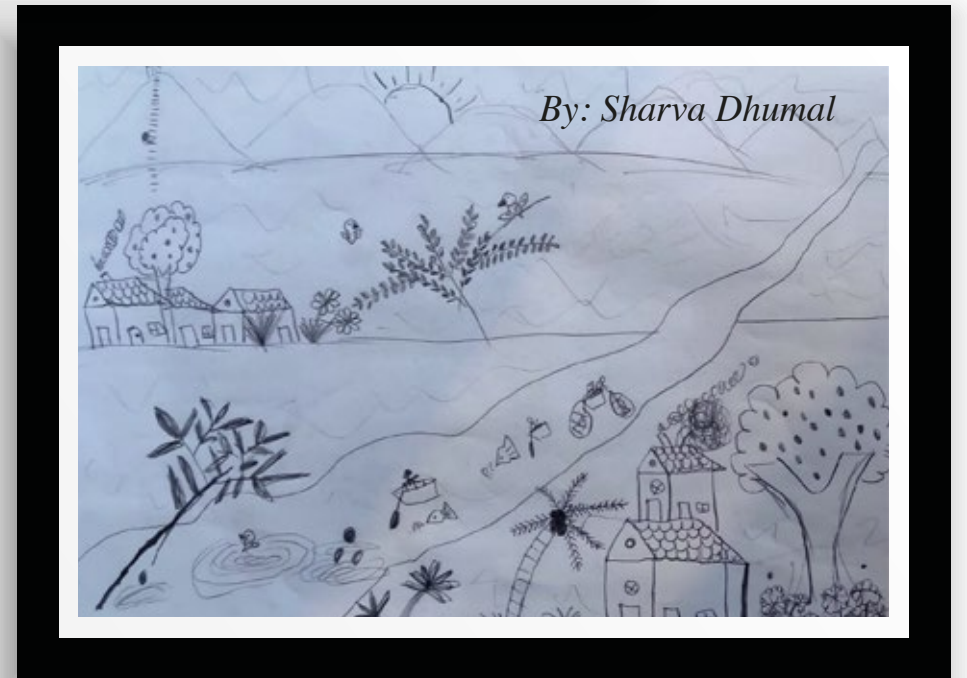
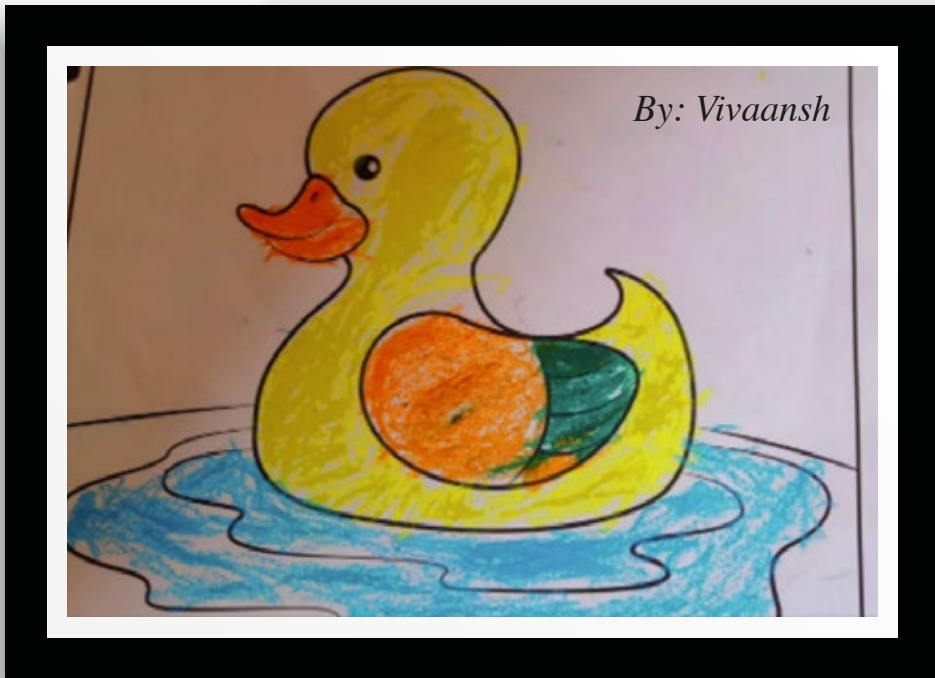
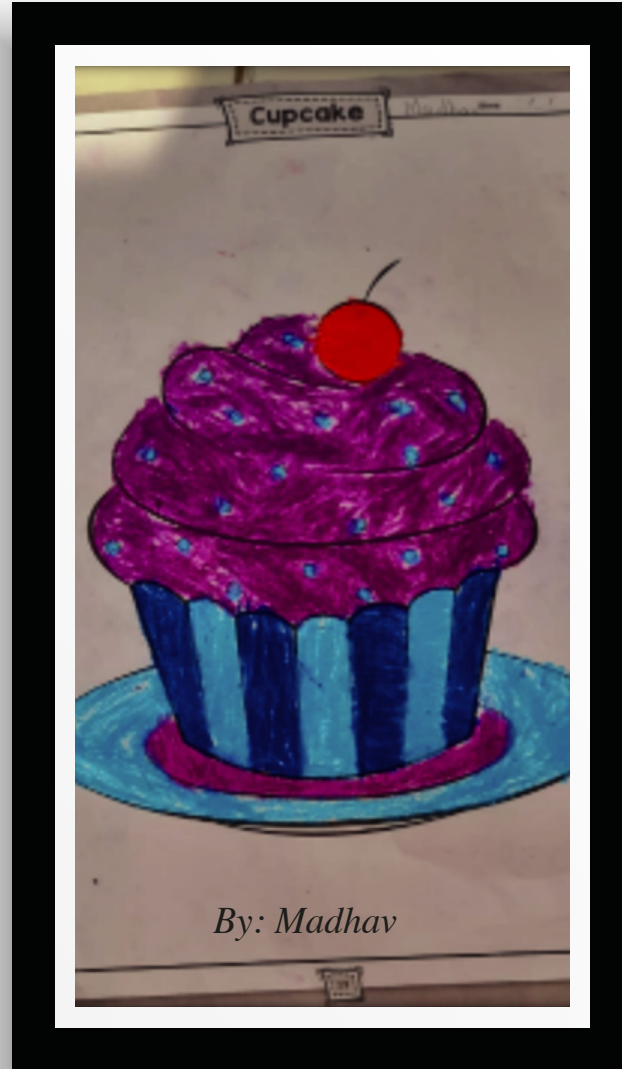
When my baby brother was born my mother and father had gone to the hospital and they made a call and gave me the good news. That my baby brother was born and I was very excited that's why I jumped.

Because I was excited, I welcomed him very nicely

and it was very much fun, because we had two birthday cakes. And every day now is fun because he's with me and he play a lot just as I like When he turned one month, we celebrated his first month birthday. We made decoration of a tree with a swing tied to it from which he was swinging. There was also a rainbow in the background.

When he turned two months old, we celebrated his 2nd months Birthday. We made decoration of A 2 by modaks and he was dressed in krishna's dress. And he looked very pretty.

When he turned three months old we celebrated his 3rd month birthday. We made decoration of him being a butterfly. Me, my aunt and her friend acted as flowers.



Un/Times Author Biographies



My name is Vivaansh Lad. I am 5 years old. I love to play with my friends in sandpit of UnSchool.



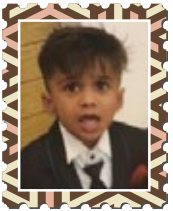
My name is Madhav Bhide, I am 6 years old. I enjoy doing craft and playing Harmonium. Playing is the most I like.



My name is Archit Badsavle Korke. I am 9 years old. I was born in Australia. I go to UnSchool. I like Pokemon. Skating, Karate and football are my favourite sports. I like reading Harry Potter books and also watch movies. I read books written by Enid Blyton. I enjoy Running & cycling.



My name is Reyansh Baralay. I am 8 years old. I was born on 15th August 2013 which happens to be India's Independence day too. I like Godzilla, monster's and dinosaurs. I have lately developed liking towards 3D printing and operating flight stimulator. I love my Mumma & Papa a lot.



My name is Ayansh Tundare. I am 5 years old. I like to play in mud and water. I do not like when my mother stops me from playing in mud and water.



My name is Talisa Lunkad. I am 6 years old. I live in Pune. I like to come to UnSchool and do activities there.



Hello My name is Arham Bhatewara. I am 2013 born, so 8 years old. I like watching T.V. I generally watch Pokemon (Pocket Monster's). Math is my favourite subject. I love going on vacation.



My name is Tanish Mandar Walimbe, 9.11 years old. My Hobbies are playing Cricket, Skating and Tennis. I also enjoy doing Cross Stitch and helping my mom in the kitchen.



Advika is my name, I am 7 years old. Making paper craft and playing with my little brother gives me happiness. I get very upset when my little brother sleeps, because that's when he does not play with me. I like to dress up and wear matching accessories on it. I love my baby brother a lot.

Address:

UnSchool
Plot No. 12, S.No.:82/4/1,
Near Vishweshwar Sahakari Bank, Baner, Pune 411045.



Scan the QR code to
view the Digital Copy: