



SUNDAY SEPTEMBER 20, 2020





Pic. by Hiran Priyankara Jayasinghe



MATHS PAGE 4



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#### Please send competition entries to:

**Funday Times** C/O the Sunday Times P.O. Box 1136, Colombo. Or

8, Hunupitiya Cross Road, Colombo 2.

**Please note that competition entries** (except Reeves Art) are accepted by email. Please write the name of the competition and the date clearly at the top of your entry and include the following details: Full Name (including Surname), Date of Birth, Address, Telephone No. and School.

Please underline the name most commonly used.

All competition entries should be in your own handwriting and certified by a parent or guardian as your own work. Competition entries without the full details requested above, will be disqualified.

> **Closing date** for weekly competitions:

> > **October 7, 2020**

Telephone: 2479337/2479333 Email: fundaytimes1@gmail.com



The Seven decide to track down the criminals but when they realize they're

on the trail of a dangerous gang they don't feel quite so brave! Have the friends taken on too much this time?

## Funday Times 20<sup>th</sup> Anniversary

### **Essay Competition**

9 years and below Why I like the Funday Times Word Count: 150 words

10 - 12 years My favourite feature in Funday Times Word Count: 150 - 200 words

13 - 15 years Has reading the Funday Times helped you? If so, explain how it has. Word Count: 200 - 250 words



### **Digital Art Competition**

Age Group: 8 – 15 years Entries can be sent on a topic of your choice. Please mention the topic on your email. **Please note that all Art entries** must be done on the computer and not on paper.



All competition entries should be certified by a parent or guardian as your own work.

> **Closing Date: September 30, 2020**

#### **Book Competition** <u>10 - 12 years</u>

согомвс

What were some of your favourite toys? Do you still enjoy playing with them? Nishane Fernando St. Peter's College, Colombo 4

### 13 - 15 years

Do you have a favourite song? Write about the type of music vou like to listen to. **Dulhara** Alwis Royal Institute Int. Girls' School, Colombo

### (Age:) 10 – 12 years

9 years and below

Why kids love chocolate.

Shevan Jayasinghe

St. John Paul II EMC,

Wennappuwa

### Word Count: 150 - 200

What is your favourite movie? Write your review of the movie and why you think people should watch it. Topic:

#### Billionaire Boy Win: by David Walliams

Meet Joe Spud, the richest 12-year-old in the world. Joe has everything he could ever want; his own Formula One racing car, a thousand pairs of



trainers, even an orangutan for a butler!

Yes, Joe has everything he wants, but there's just one thing he really needs; a friend...





fascinate, intrigue and satisfy as you attempt to discover who the real criminals are.



Write at the top of your Essay Book Competition Essay Topic

# Wash your hands with soap





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### Voronoi Diagrams

When you use your mobile phone to talk to another person, the phone converts your voice into an electrical signal and transmits to the nearest cell tower of your network provider, through radio waves, before it converts back to sound for the person at the end to follow. The network provider may have many cell towers and your call is connected to the closest tower. How do you find out where the closest tower is? A Voronoi diagram will provide the answer.

A Voronoi diagram is a simple concept based on the minimal distance needed to reach a point of interest. It is named after the Russian mathematician Gregory Voronoi (1868 – 1908). Boris Delaunay, a student of Voronoi, developed a method of obtaining triangular regions, which is an important aspect when creating Voronoi diagrams. These diagrams can be constructed by hand or using computer imaging software.

Let us consider the situation of obtaining the Voronoi cell (region) containing D, if you are given four points A, B, C and D. First, you need to plot these points on coordinate axes. Now draw the perpendicular bisectors of AD, BD and CD. The triangle obtained is the Voronoi cell containing D. You will notice that every point in the cell is closer to D than A, B or C. Try it, using the following coordinates. A(1,1), B(3,5), C(5,3) and D(3,3).

The diagram below shows the Voronoi cell containing the middle point given 4 other points around it.



To complete the Voronoi diagram, the process has to be carried out for all points. In the diagram, if you also consider the four corner points of the coordinate axes, the following diagram can be obtained.



Drawing Voronoi diagrams by hand is a time consuming and complicated process. Mathematicians often use mathematical or imaging software to make it simpler.





#### Maths in Action 48 By R. N. A. de Silva

Voronoi diagrams have applications in many fields. Biological structures can be illustrated using them.

In aviation, they are used to identify the nearest airport in case of diversions. In mining, they can help estimate mineral resources based on preparatory drill holes.

In epidemiology, they can help in the identification of the source of infections.

Voronoi diagrams can also be used to find a location as far as possible from the existing locations such as supermarkets, petrol stations and even schools.



#### Math Plot – 48 Try to find the solution to the following puzzle. You may send solutions with reasoning to *ndesilva@osc.lk* within the next three days. Please include your full name, date of birth, home address, contact details and the name of your school along with the solution.



How many triangles are there in the above figure?

Math Plot 47 – Solution

The answer is 8.1 m.

The winner is **Shivathmika Parimalendran** of Methodist College, Colombo.

Congratulations!

SEPTEMBER 20, 2020



## COMPETITIONS | 5













### Natural Protection of Love

### 6 | KIDS' WORLD



Ninehearts (Pte) Ltd. 758/1, Baseline Road, Colombo 09. Contact: 0112 663500 / 2 687541 / 077 387039. Email: photoproducts@ninehearts.com

### COVID-19

This virus was not there in the past, it came in 2020. Many people have caught this virus. Doctors have been making medicines to kill it. This virus started in China and it spread to Italy, Spain and even Sri Lanka! Doctors are the people who have named it COVID-19.

Lots of people have been making hand-sanitizers and soaps which kill 90% of germs. Even on TV they show about COVID-19 and how to prevent it. People have died because of COVID-19.

So how can we kill it? Well wash your hands thoroughly. Do not touch your eyes, nose and mouth. Don't touch lifts or buttons on the lifts and don't shake hands.



lf you do touch a lift, then put hand sanitizer or wash your hands for 20 seconds or

a nd h

more. Wear a mask if you are going somewhere and quickly have a bath when you come home.

Naveeta Fernando (8 years) Thalawathugoda

### How I spent my last vacation

For the first time, we spent a long time at home. This is not the usual vacation period that we enjoy. We couldn't go outside, we couldn't meet friends and we had to stay at home. The cause for this was the COVID-19 virus.

During this vacation I did many useful things. We had a plantation programme called 'Let's Go Green JMCians' held by our school. In this programme we had to make a video of planting any type of seed and upload it to the JMC Facebook account. I planted tomato, chili, brinjal, kankun, capsicum and aloe vera. Now all the plants have grown and I feel happy seeing them.

Other than planting, I painted, drew pictures, read books, played my organ and I didn't forget to do my studies as well.

During this period we had a 'Digital Avurudu' organized by the JMC management. I participated in many games held. I enjoyed it very much. There was a Vesak programme too. I made a Vesak lantern and a Vesak card for that.

Online classes were also held by our school during this vacation. We did online classes through Zoom and MS Teams.

I spent my vacation doing many useful things. I wish that the world will be free from COVID-19 virus and also that there will be happiness again.

> Dimuthu Mihiranga (Grade 9) JMC Int. College, Maharagama

### A house for a mouse

I need a house Said the little mouse In that wall In the hall In some style I'll take a while To make my home With some foam And some straw I'll need some foil And some coil It will be neat Once it is complete I'll have a happy life With children and a wife.

Nulara Jayawickrama (8 years) Methodist College, Colombo 3



#### Vihas Peiris (9 years) S. Thomas' College, Mt. Lavinia

Flying kites



Eshan Ibrahim (12 years) Isipathana College





Nithumya Attanayake (Grade 3) Musaeus College

Doggy days



Aanjali Fernando (14 years) St. Lawrence's Convent





#### View of the sea



Kavithi Wijesinghe (Grade 9) Parakrama Vidyalaya, Bandarawatte





Nethma Bimsarani (8 years) Sujatha Vidyalaya, Matara



Binudi Aloysius (Grade 1) Mazenod College, Anuradhapura

#### Please save the world from COVID-19



Manal (10 years) Royal Int. School, Kegalle

### Vehicles

Vehicles are used for transport. I love all



types of

vehicles, like bus, bike, car, van, train. Vehicles are used in many ways, by air, by road, by water.

My favourite vehicle is white.

Rishith Fernando (6 years) St. John Paul II College, Wennappuwa

### The Father of Free Education

Christopher William Wijekoon Kannangara alias C.W.W. Kannangara is the Father of Free Education in Sri Lanka.

He was born on October 13, 1884. He was born to a Catholic family. He was a student of Wesley College, Ambalangoda and Richmond College, Galle.

After passing the Cambridge Senior Certificate Examination, he served as a teacher. While teaching, he sat for the Law examination and passed out as a lawyer.

He entered active politics at the General Election held in 1931. He entered the State Council to represent Galle. He was the first Minister of Education in Sri Lanka. He presented the Free Education Act in the State Council.

It was his Free Education Act which made a great effect on the people of Sri Lanka.

M.I.F. Zikra (Grade 7) Royal Int. School, Kegalle



Please remember that ARTICLES, POEMS and PAINTINGS sent, will not be published unless they are certifie



unless they are certified as your own work by a parent or teacher. Also please mention the topic, your full name, date of birth and address in your entry. Articles should not exceed 200 words.

Art should be on A4 size paper. Remember to write the <u>date</u> that you send your entries.

### Fruits

There are many kinds of fruits like banana.



banana, apple,

strawberry, mango, in many colours. Fruits are tasty. They are good for us.

I love fruits very much.

Rushith Fernando (6 years) St. John Paul II College, Wennappuwa

### Worshiping Kiriwehera in Kataragama

My grandfather and grandmother used to worship Kiriwehera once a year with us.

After the delay due to the COVID-19 pandemic, we managed to do this in the last week of August.

The famous Menik River flows down searching for the ocean, in front of Kataragama Devalaya. As the Monaragala district is experiencing a drought, there was very little water in the river and we couldn't have the joy of swimming this time. The river was hardly flowing, filled with dirty water and sand dunes. We crossed the Menik River through a narrow bridge.

Katharagama area was experiencing dry season too, without a drop of rain for the past few months. People believe that 'Katharagama Deviyo' is one of the guardian deities of Buddhism. The Bo tree behind the Devalaya called the Astapala Bodhiya, is a branch of the sacred Sri Maha Bodhiya in Anuradapura.

Kiriwehara is big stupa built by King Mahasena in the 3<sup>rd</sup> century BC. It is among the 'Solosmasthana,' the sixteen most sacred Buddhist pilgrimage sites in Sri Lanka. Our grandparents had brought 'Dolos-pirikara', 'Atapirikara' and 108 herbals to offer to Kiriwehera.

'Dolos-pirikara' was offered to the Astapala Bodhiya while the latter was offered to the Kiriwehera. Due to the bright and clear sky with moonlight, Kiriwehera was shining white and we had a very pleasant pilgrimage.

> Chandu Kalupahana (Grade 5) Richmond College, Galle



## 8 | COMPETITIONS

## Tomahawk

Questions for the Tomahawk Quiz No. 175 are based on articles appearing in the Funday Times of August 2, 9, 16, 23 and 30, 2020. All you have to do is to find the answers to the questions given.

No.175

Write the answers neatly on a postcard. Cut the strip 'Tomahawk Quiz No. 175' seen at the top of this page and paste it on your postcard. Please get your entries certified as your own work by a teacher or parent.

> Two lucky winners will receive brand new Tomahawk Mountain Bikes with the compliments of

Tomahawk Bicycle Mall

All Funday Times readers between 18 – 15 years are eligible to participate.

(Those who have already won a bicycle are not eligible to participate.)

Closing Date: September 30, 2020





- 1. Where is the Lincoln Memorial located? Who designed the statue of Abraham Lincoln?
- 2. The Kandy Esala Perahera now held, dates back to the reign of which Sri Lankan king?
- 3. Who was Pocahontas?
- 4. During which colonial period did Fr. Joseph Vaz arrive in Sri Lanka?
- 5. Name the author of 'Kim'? Which other well-known book did he write?



4 – 6 AGE GROUP

Count the animals and circle the correct number.



Printed and published by Wijeya Newspapers Ltd. on September 20, 2020 at No. 8, Hunupitiya Cross Road, Colombo 2.