

# AJ Chronicles

News Letter

October 2020

AJI Primary

Issue: 5



**It's Math Month at Al Ain Juniors School!!!!...**



“The things of this world cannot be made known without the knowledge of mathematics.”

Another successful year to Math Month, in which students took part in a number of enrichment activities. Yes, October was our MATH FOCUS month at Al Ain Juniors School and we had a bunch of exciting activities that were planned to foster creativity, critical thinking & problem solving skills. Various activities were conducted in all classes. Students of Grades 1 to 6 actively participated in all the activities which were specially designed for them.



# A quick snapshot of a very special month.....

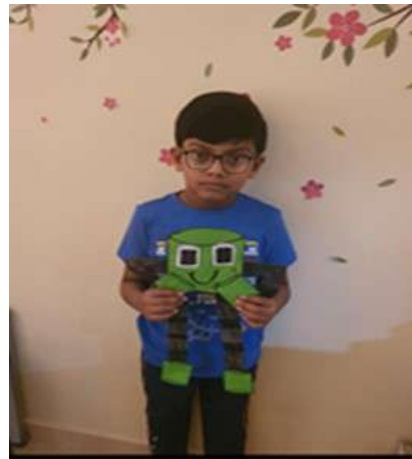
## Week 1—Activities

It was an amazing week with a wide variety of activities. Students from 1-6 actively participated in the activities.

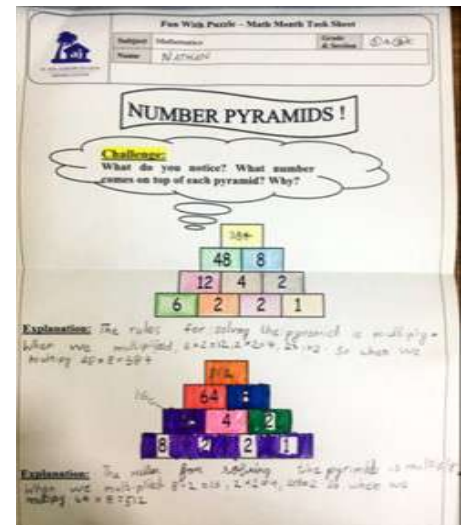
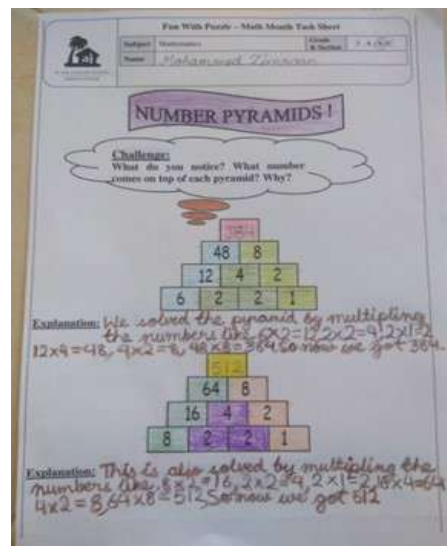
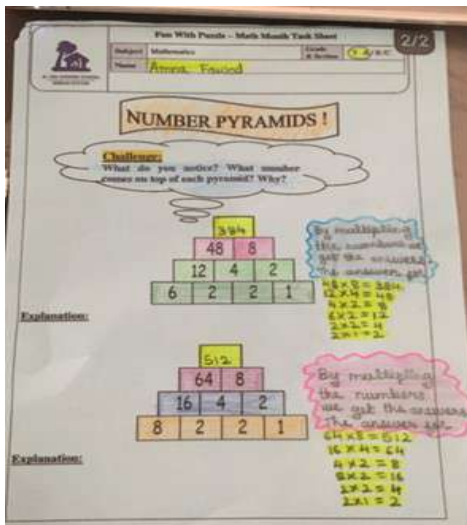
MATH ABOUT ME Activity was conducted as an inaugural activity of the Math Month for the first graders on Thursday (15-10-2020). Students enjoyed the activity by using numbers to write the fun facts about themselves. The activity mainly focused on enhancing the numeracy skills of the students.



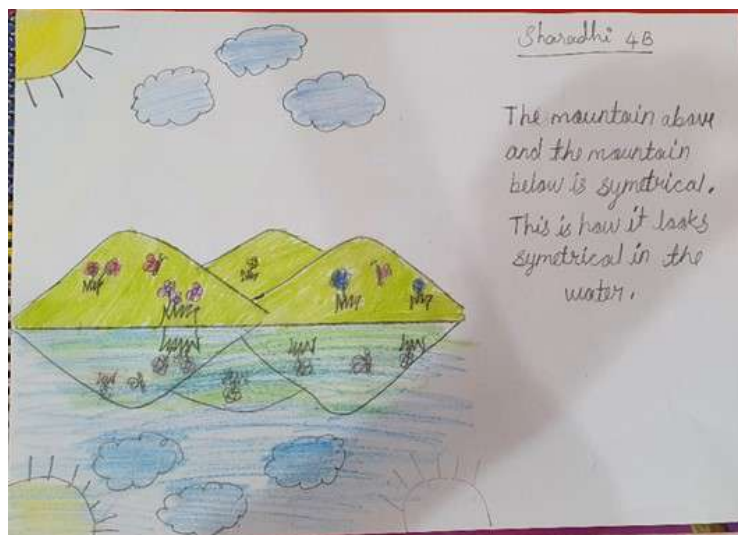
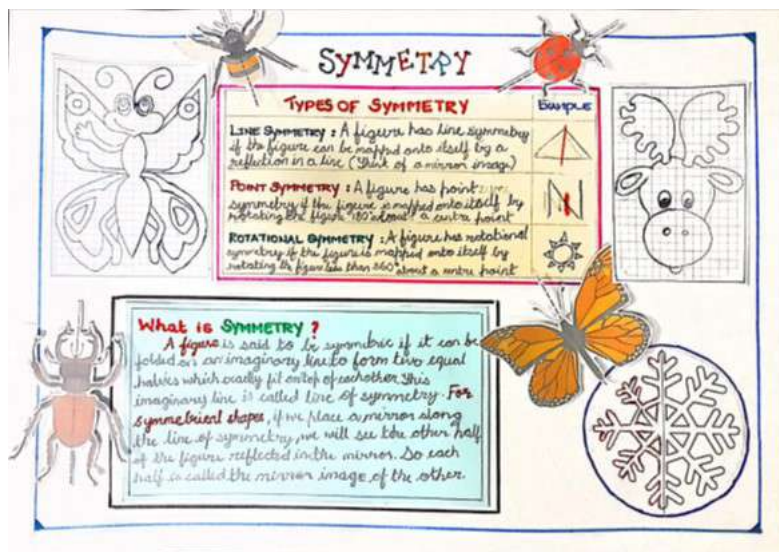
## Mandela Art



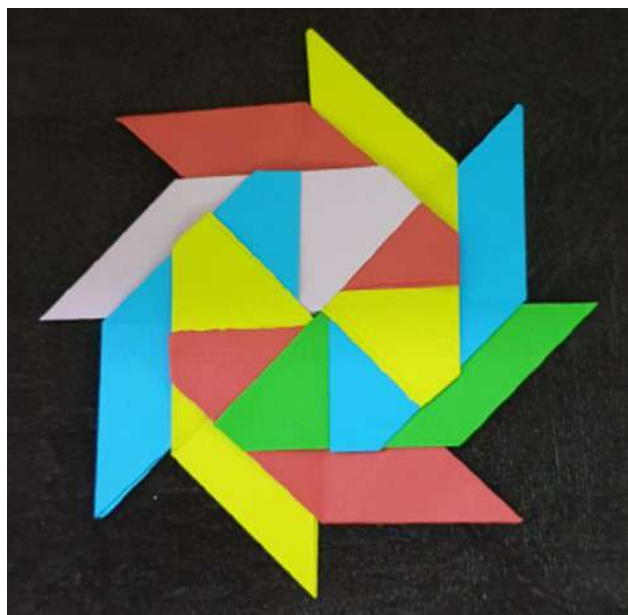
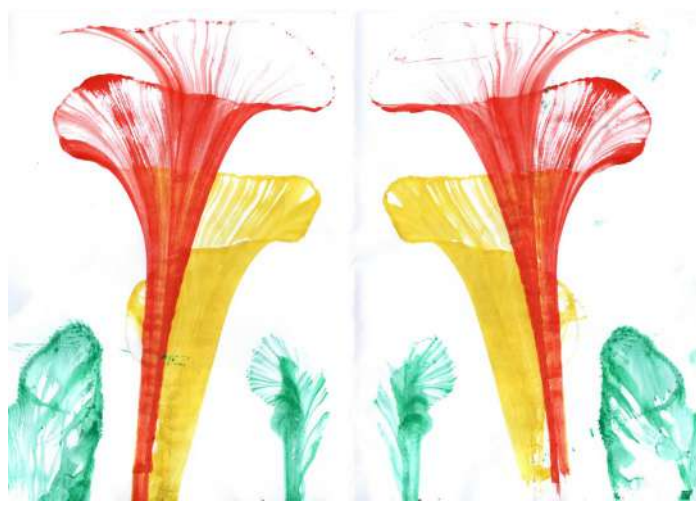
## Fun with Puzzles



# Amazing Math Month Activities



## Thread & Paint Design



# Cut Out Pattern



## Designing a digital poster of favourite Mathematician

### Sofia Kovalenskay a



Sofya Vasilyevna Kovalenskaya, born Sofya Vasilyevna Korvin-Krukovskaya, was a Russian mathematician who made noteworthy contributions to analysis, partial differential equations and mechanics

ABOUT HER

### My favourite Mathematician

#### Giuseppe Peano



Giuseppe Peano was an Italian mathematician and glottologist. The author of over 200 books and papers, he was a founder of mathematical logic and set theory, to which he contributed much notation. The standard axiomatization of the natural numbers is named the Peano axioms in his honor.

### Magic Triangle Math Puzzler

**Instructions:**  
Arrange the numbers (1-9 for 3x4x4 triangle) so that the sum of numbers on each side is equal to the sum of numbers on every other side.

**Magic Number: 23**

**Objective:** Basic addition skills, but also critical thinking, mental math and logic thinking.

Name: Sara Anjum  
Class: Grade 6-C

### \* Kenken Puzzle Activity

**Objective:** Apply logic and knowledge of addition, subtraction, multiplication and division to solve Kenken grid puzzles.

|      |     |      |      |
|------|-----|------|------|
| 2, - | 4   | 2, - | 3    |
| 3, + | 1 2 | 9, + | 4 4  |
| 9, x | 3 1 | 4    | 2, - |
| 4    | 4 3 | 2    | 1    |

Name: Sara Anjum  
Class: Grade 6-C

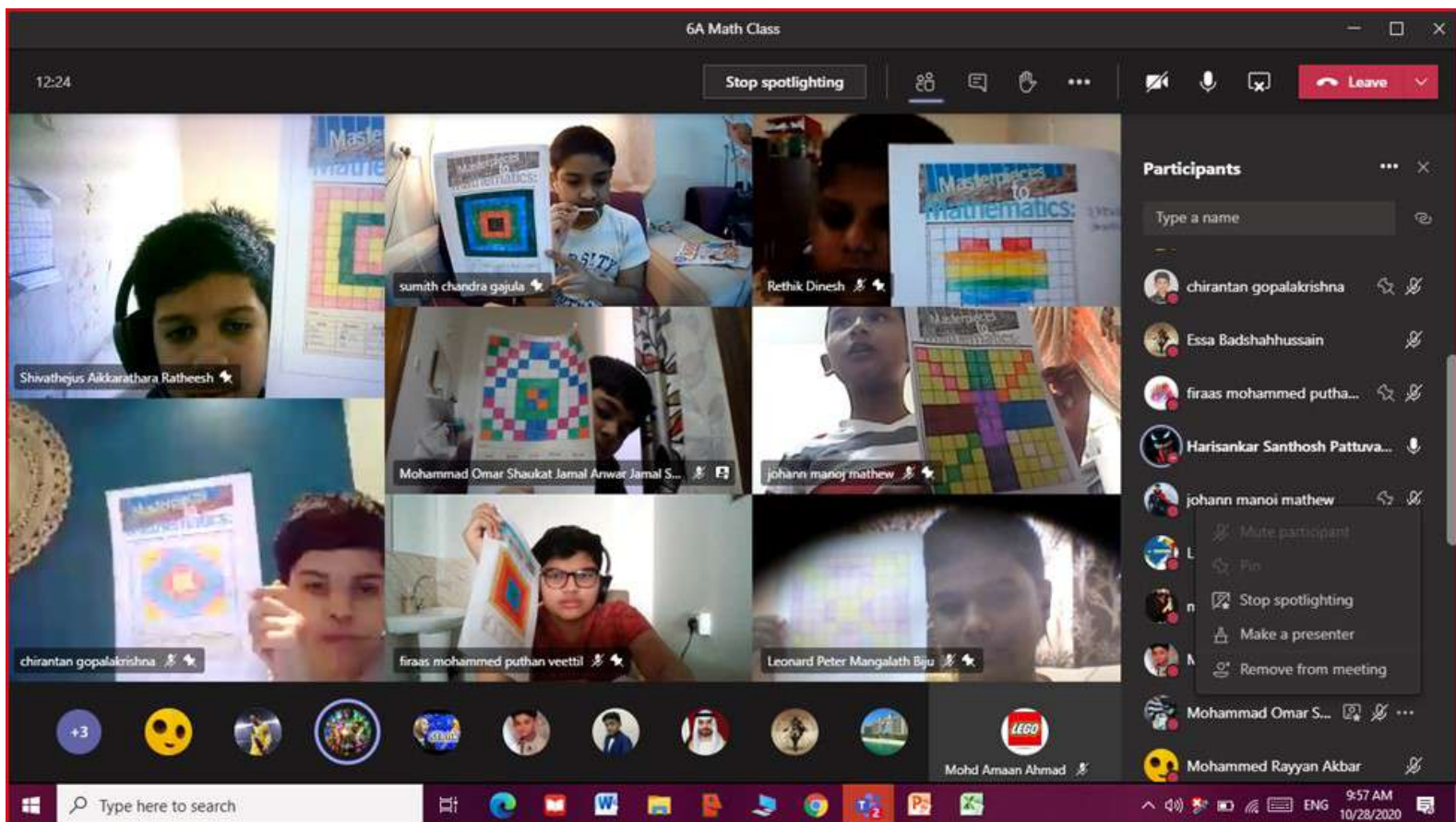
### KENKEN PUZZLE ACTIVITY

**Objective:** Apply logic and knowledge of addition, subtraction, multiplication & Division to solve Kenken grid puzzles.

|      |     |      |      |
|------|-----|------|------|
| 2, - | 3 1 | 2, - | 4 2  |
| 3, + | 2 1 | 9, + | 4 4  |
| 9, x | 3 1 | 4    | 2, + |
| 4    | 4 3 | 1    | 1    |

Solved By: Rickazia  
Grade: 6C

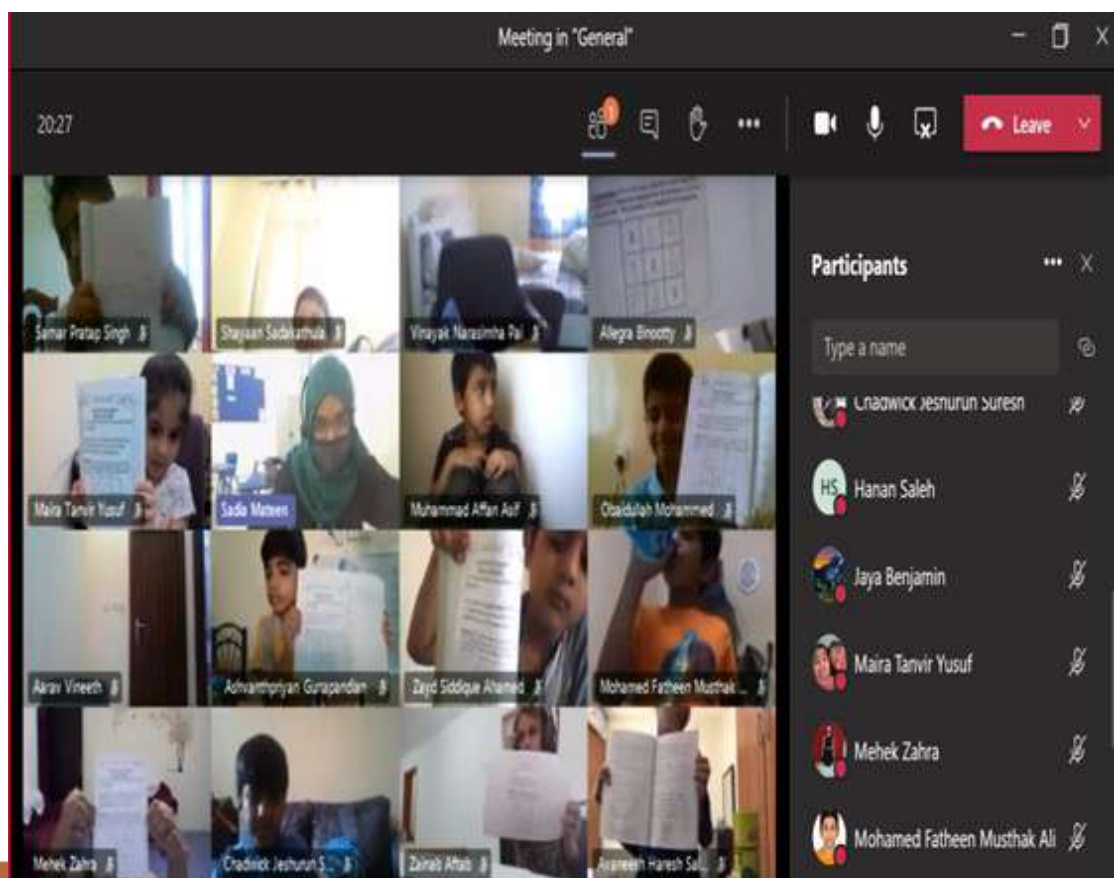
# Math Online Activities



## Week 2—Math Activities

### MAGIC SQUARE:

A play-way assignment was given to the students to complete a magic square to promote inquiry-based learning and foster student engagement at home on Thursday (22-10-2020).



# Magic Square

Gr-1 MATH MONTH ACTIVITY Subject: Math  
Name: Fatheer

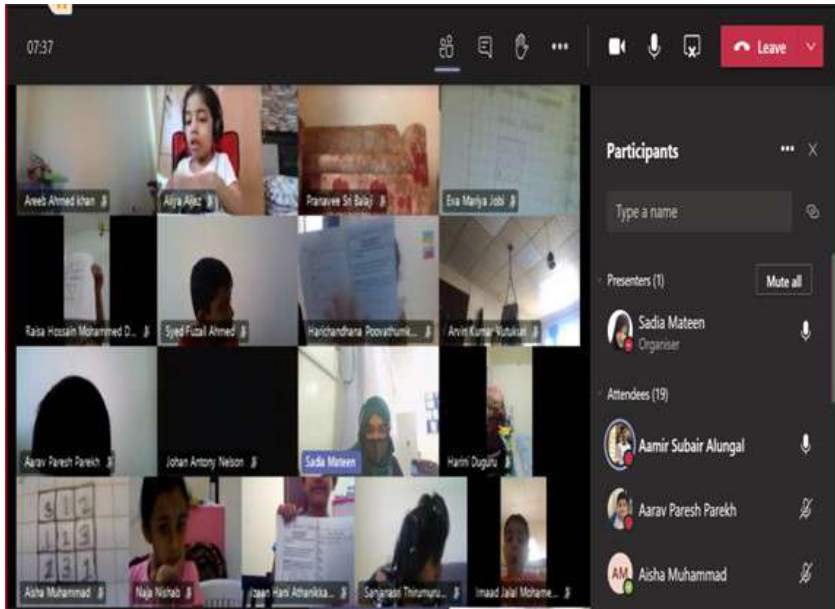
Play-Way Home Assignment  
**MAGIC SQUARE:**

L.O: To enhance logical reasoning and critical thinking skills.

A magic square is a square where each line of 3 numbers (vertical, horizontal and diagonal) adds up to the same sum.

**Instruction:** Fill in the magic square in such a way that each row, column and diagonal has the numbers 1, 2 and 3 in any order. The example of a diagonal is already been done for you

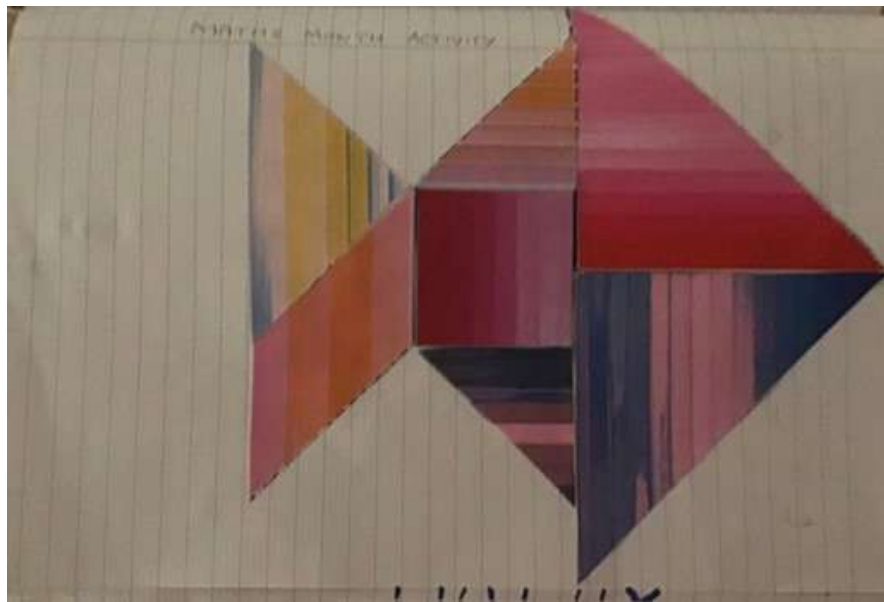
|   |   |   |
|---|---|---|
| 3 | 2 | 1 |
| 1 | 2 | 3 |
| 3 | 2 | 1 |



## Magic Fruit Pattern



## Tangrams Activity

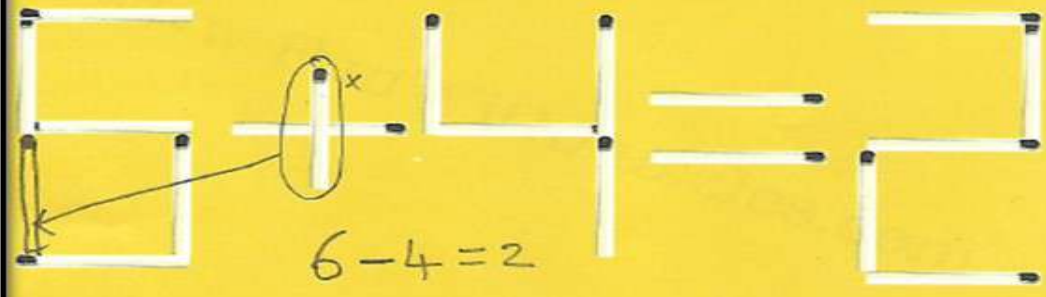




|   |   |    |    |   |   |    |                       |   |   |    |    |
|---|---|----|----|---|---|----|-----------------------|---|---|----|----|
| 3 | × | 5  | 15 | 6 | × | 1  | 6                     | 2 | × | 9  | 18 |
|   |   | 31 |    |   |   | 26 | © www.the99puzzle.com | ? | → | 18 |    |
| 8 | × | 2  | 16 | 5 | × | 4  | 20                    | 6 | × | 0  | 0  |

Ans:  $15 + 16 = 31$        $6 + 20 = 26$        $18 + 0 = 18$

Move Exactly One Matchstick to make this Equation correct!



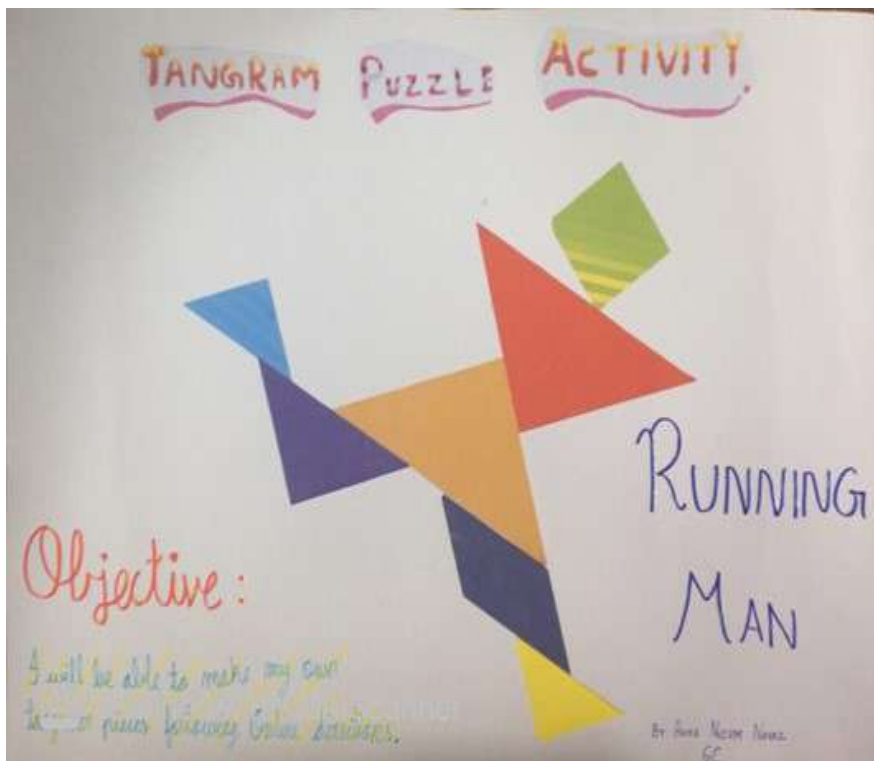
5 becomes 6  
+ becomes -  
∴  
 $6 - 4 = 2$

Share if you solved it!!!

# Fraction Decimal Percentage (FDP) PIZZA.



## Tangram Puzzle Activity



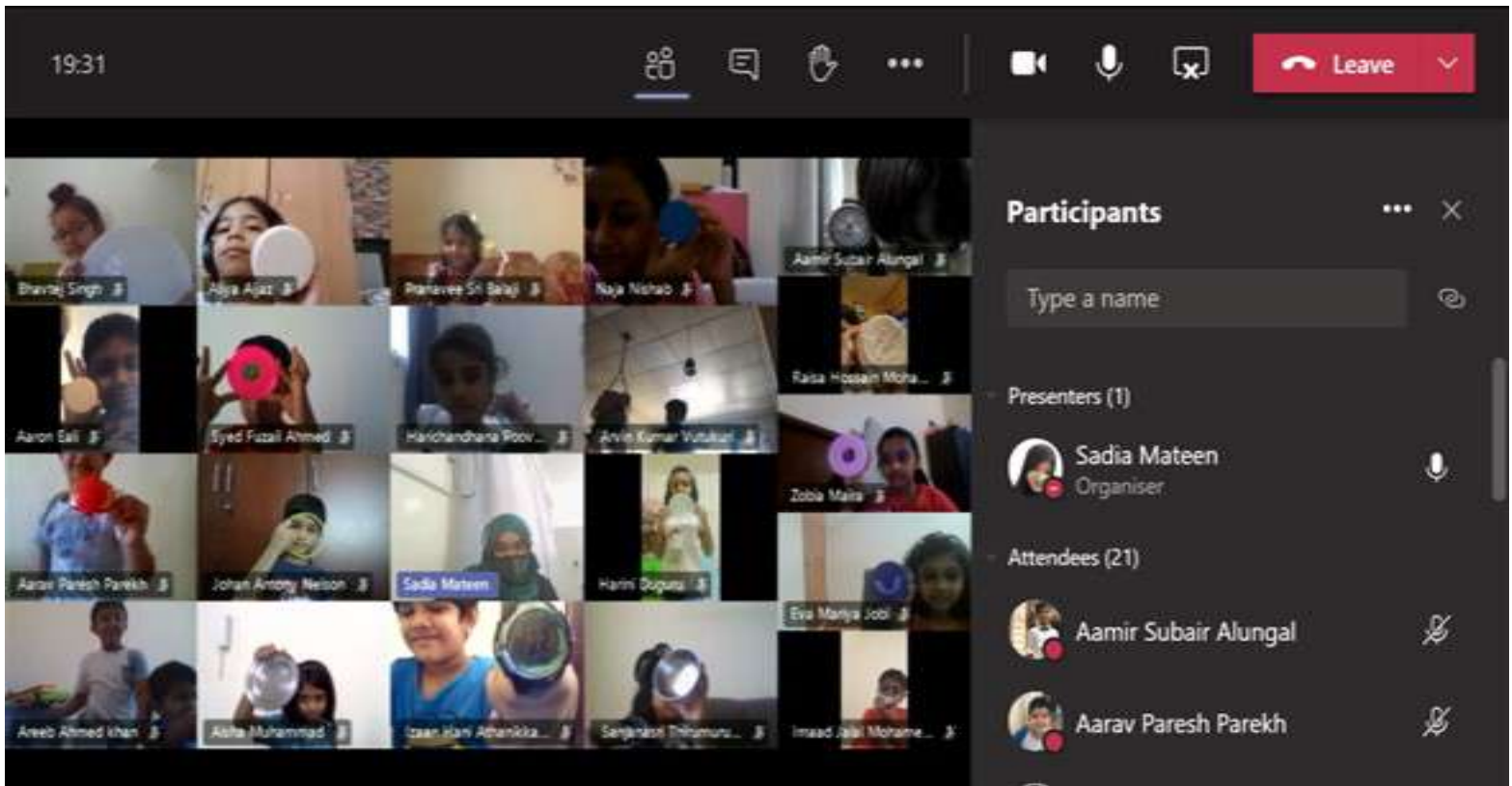
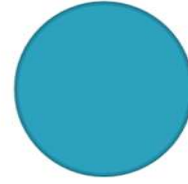


## Scavenger Hunt (At Home)

A Scavenger Hunt Game was conducted on 28-10-2020 for the students of grade-1 to explore Math in their environment and to enhance their problem-solving skills.

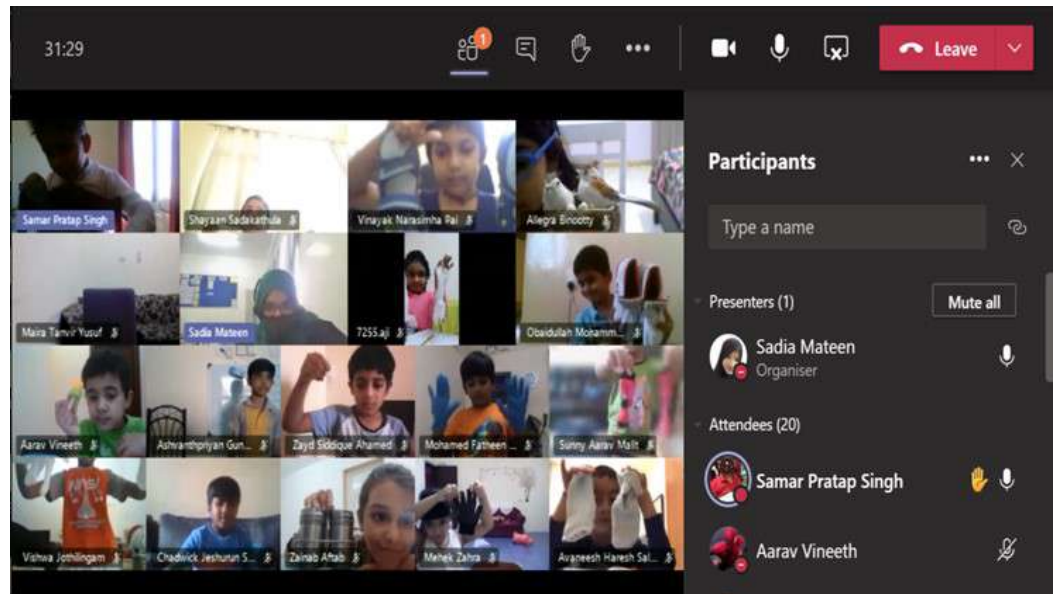
Let's Play:

► Find and bring something circle:



Let's Play:

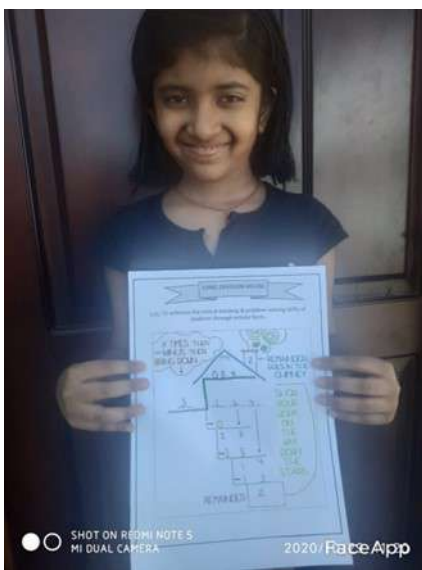
► Find something that comes in pair:



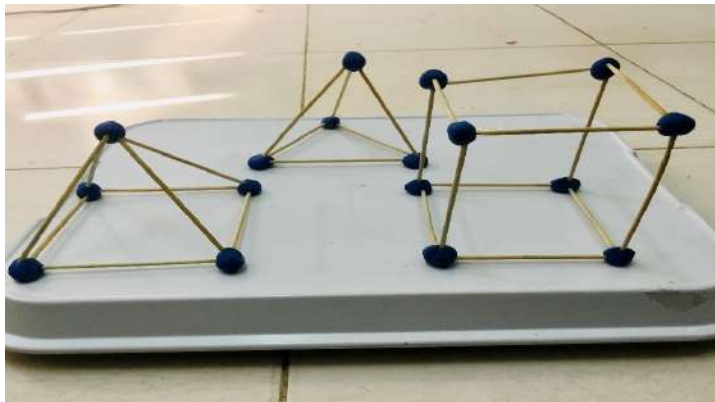
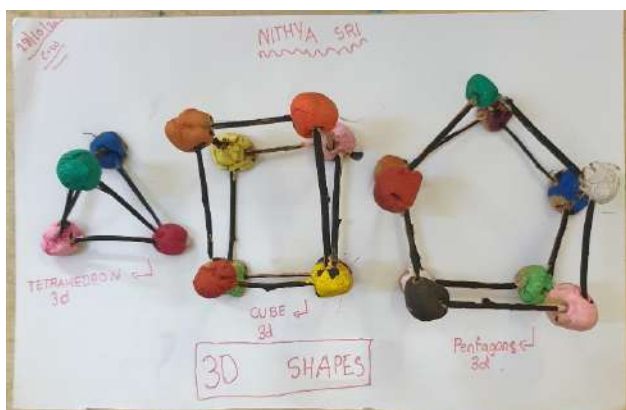
# Wacky Watch Making



## Long Division House:



## 3D model with clay and toothpick



# 3D model with clay and toothpick



Ayaan Dhirajkumar Dongre



Rhea Navaneeth Chiramal Navaneeth



Jovina Eldhose Eldhose Skana



Devna Suresh Thirukulani B...



Addon Aggey Mathew



Varun Subramanya Bangalor...



Dev Krishna Suresh



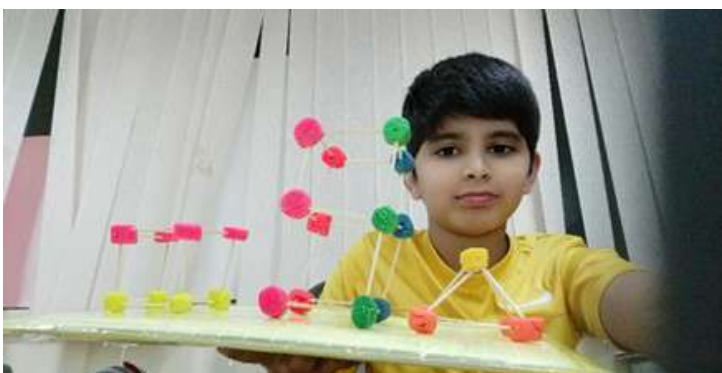
Sri Aamasal Raja Raja



Sharadhi Shreepati Shreepathi



Ishaan Sudeep Chopde



pure  
**MATHEMATICS**  
 is, in its own  
 way, the  
**POETRY**  
 of logical ideas

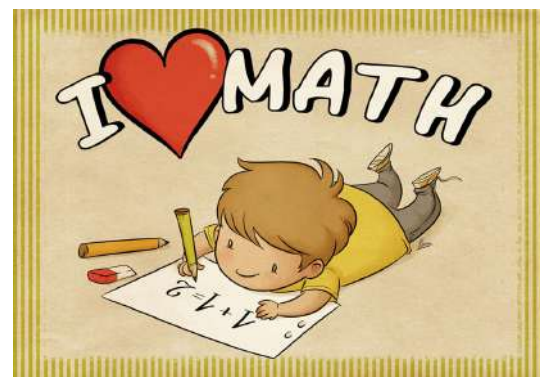
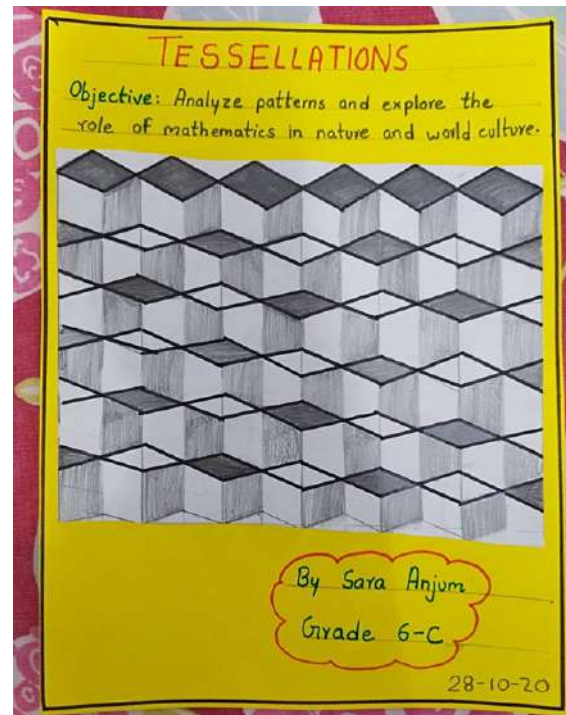
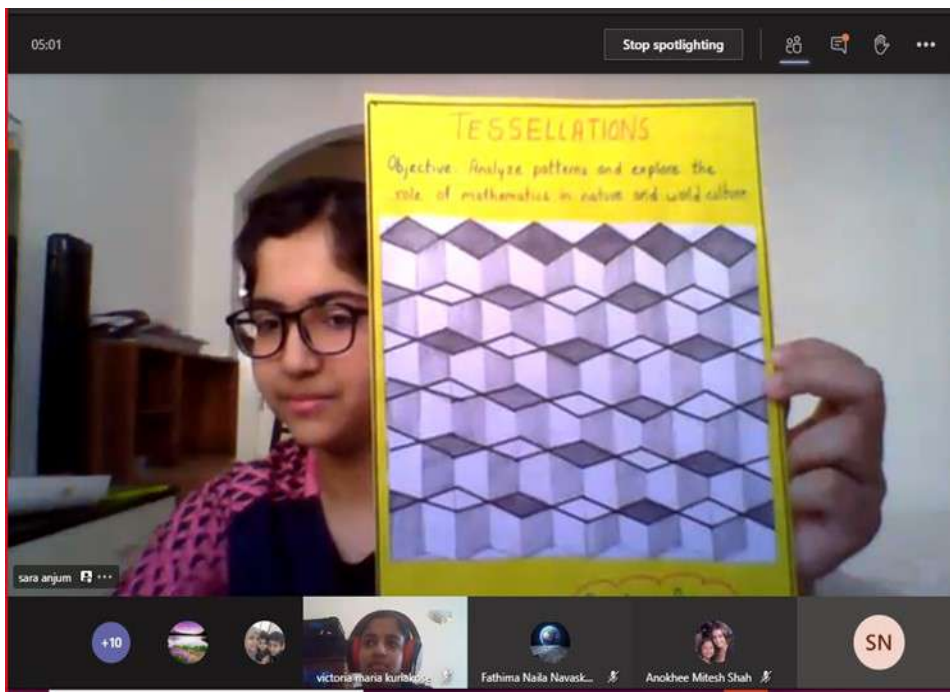


ALBERT EINSTEIN

magnificent  
 passion creative elegant  
 absorbing beauty explore  
 adventure leaps innovation game  
 persist **math** invent  
 imagination curiosity play  
 discovery wonder joy delight  
 ask free truth

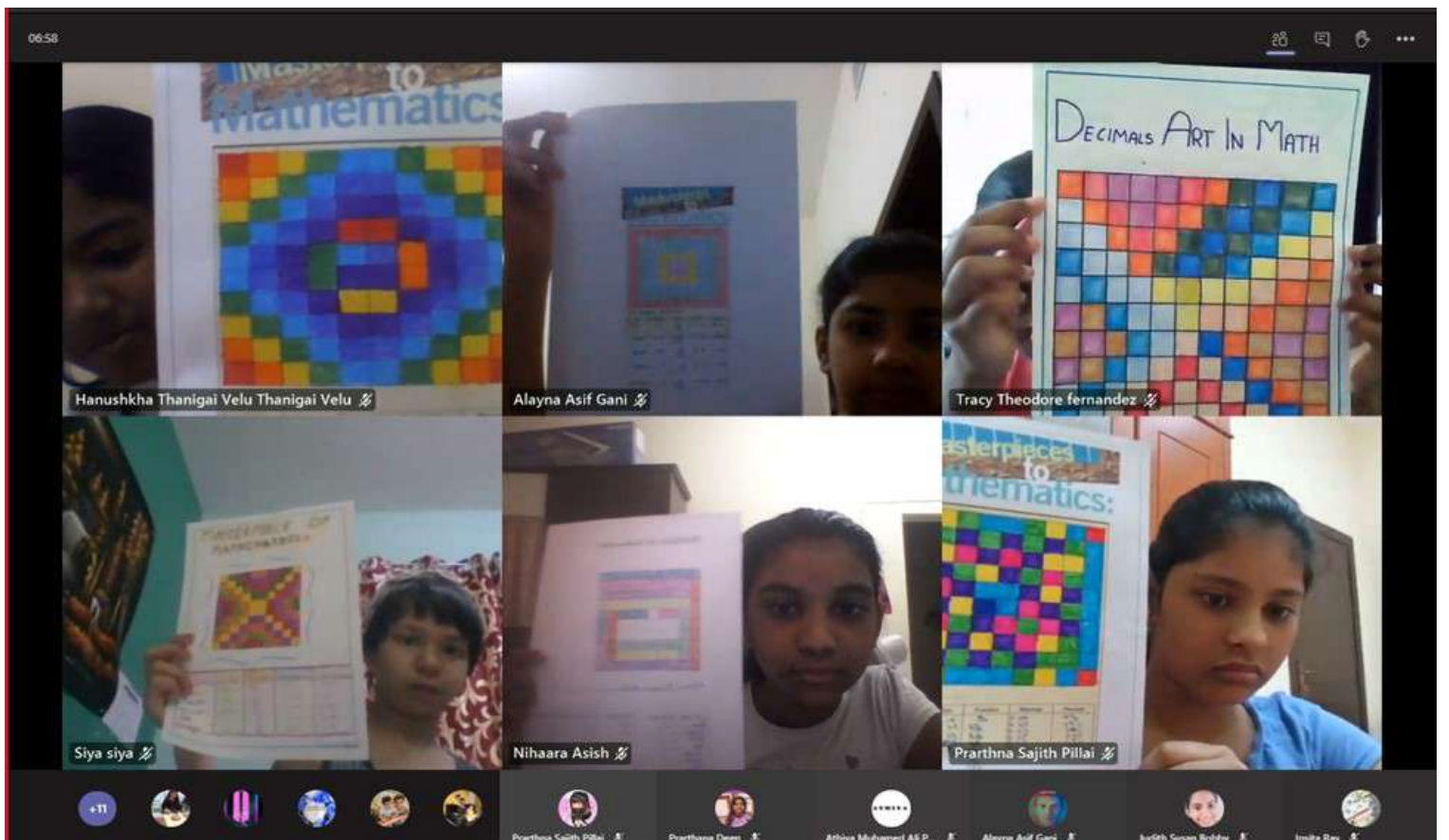
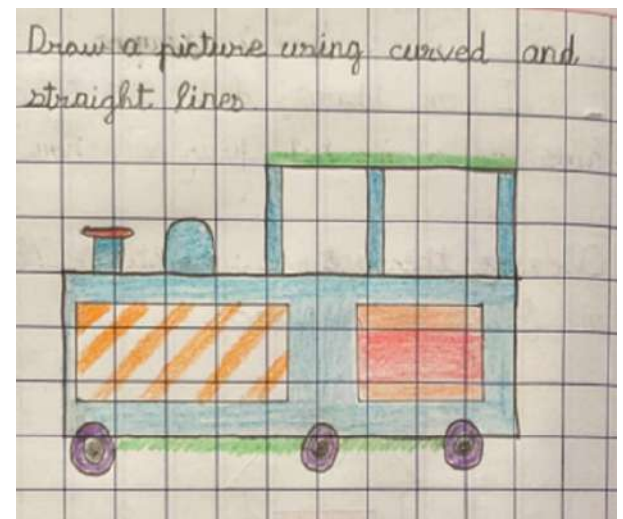
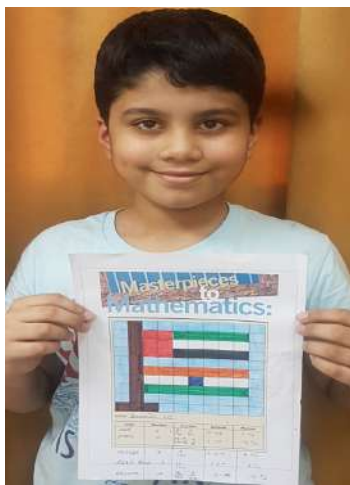
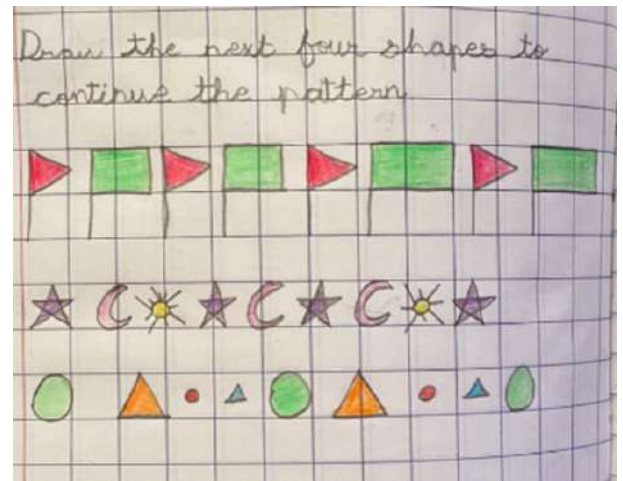
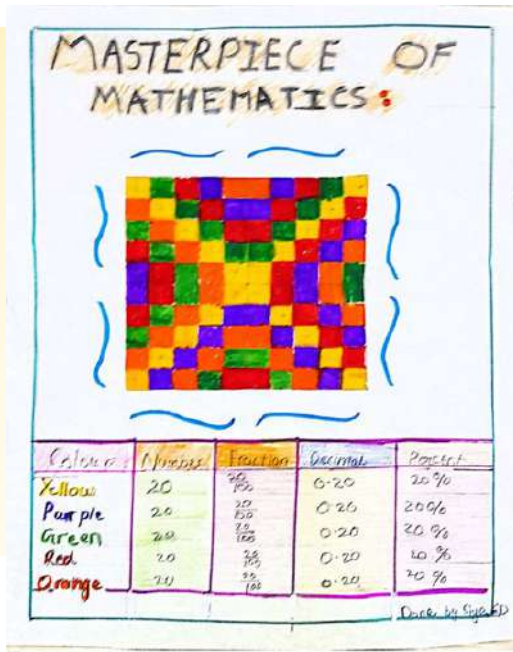


# Tessellations



# MATHS ART-EXPLORE MATHS IN ART

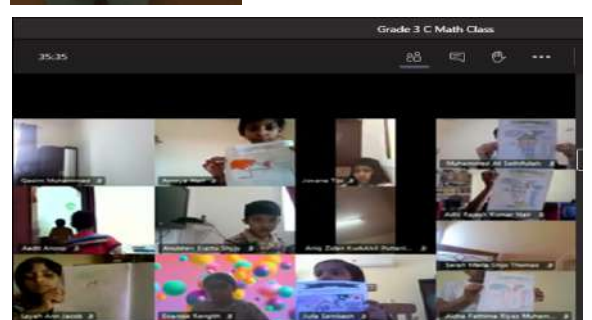
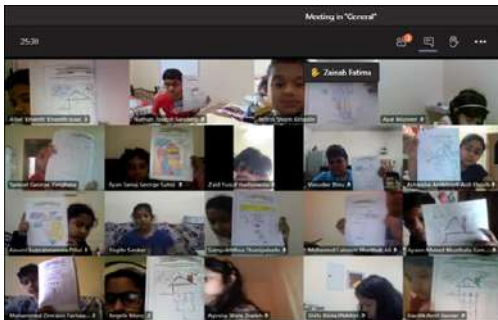
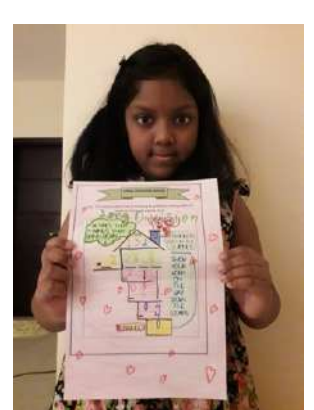
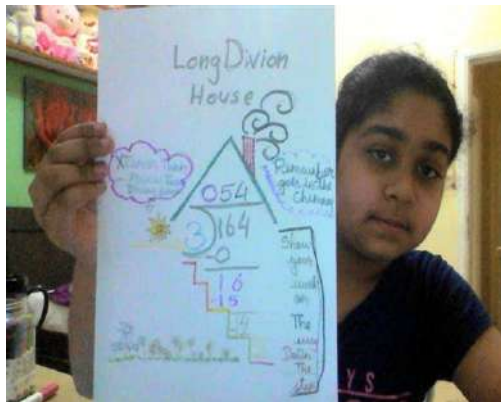
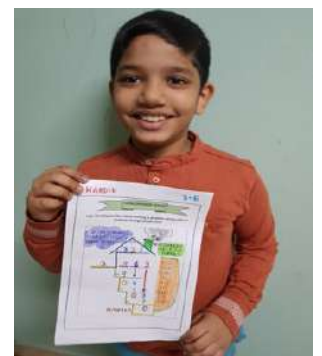
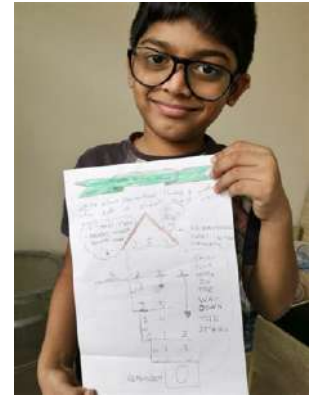
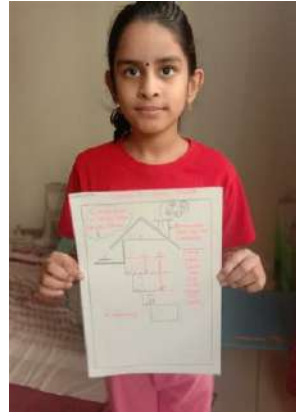
Students made beautiful designs using geometrical shapes so as to explore Mathematical beauty in Art.



**“Mathematics is the art of giving the same name to different things.”**  
-Henri Poincare

**LONG DIVISION HOUSE (MATH IN ART):** Students explored the relation of long division with mathematics and art as a part of Math month. Mathematics and art are related in a variety of ways. Mathematics has itself been described as an art motivated by beauty.

## Students Work Station/Students Art gallery





## Who wants to be a mathematician!!!

Students from AJI Primary Grades 1-6 participated in the Grand Finale online Math Quiz Competition which was conducted on 31<sup>st</sup> October 2020, with 12 students from each grade as finalists. The Quiz was conducted Live using the online platform Quizizz. The questions were based on HOTS, Critical Thinking, ASSET and IMO. There were two selection rounds for the quiz competition. The first selection round was conducted with 100% class participation. There was a face off round (Fastest Finger First) between the 12 finalists through Quizizz. From this round the child who was accurate and the fastest was selected for One-on-One Live Quiz session. The selected child was questioned live and the students were expected to answer verbally (the score and the time taken were recorded for that particular child)

The One-on-One Live Quiz session was divided into four rounds:

- Round 1 - Elementary Round (MCQ with 4 options)
- Round 2- Memory Test Round
- Round 3-Visual Round (MCQ with 4 options)
- Round 4 - Rapid fire Round.



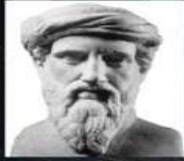
|    |    |    |
|----|----|----|
| 5  | 40 | 8  |
| 30 |    | 24 |
| 6  | ?  | 3  |

Can you replace the '?' Mark with the correct number?

A 18      B 60  
C 24      D 9

In the grid, I started from X and took 3 steps south, 4 steps west, 1 step south, 1 step east, 2 steps north and 1 step east. Where did I reach?

A: I      B: II  
C: III      D: IV



1 point

Identify the Mathematician.

A: Pythagoras

B: Archimedes

C: Newton

D: Rene Descarte



4:31:42

0:32:08



1 point



Which is the top view?



A

B

C

D



Type here to search

0:11:13



1 point

Peter is going for vacation for 4 weeks he finds the number of days of work he will miss by multiplying  $5 \times 4$ . Which expression shows another way Peter can find the number of days of work he will miss?





## Math Fancy dress competition

AJI Primary Math Department planned a series of competitions to blend Math learning with fun.

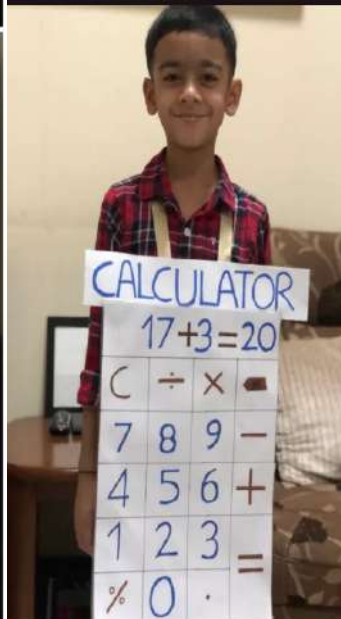
The competitions at various grade levels were as follows:

**Grades 1 and 2:** Math Fancy Dress Competition

**Grades 3 and 4:** Math Hat Competition

**Grades 5 and 6:** Rubik's Cube Challenge Competition

In Math Fancy Dress Competition Participants were dressed in Math-themed costumes and spoke about their costume for 1 minute. They are asked to post the video in padlet.com.



# Math Fancy dress competition

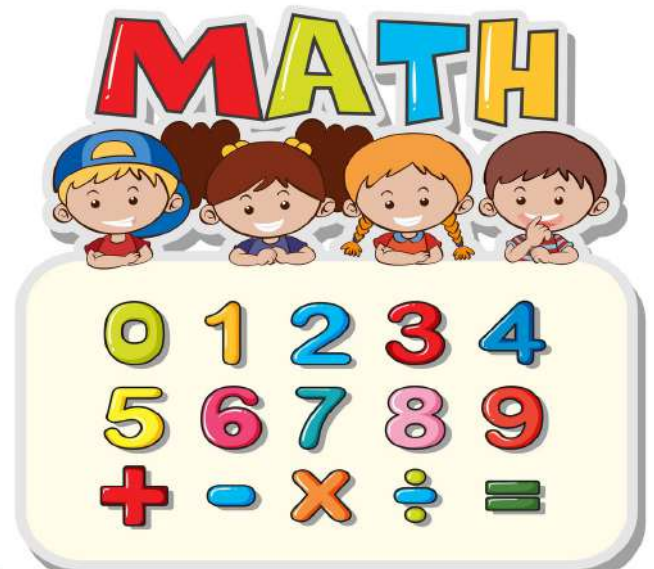


# Math Hat Competition

Participants wore a math hat with their class theme (specified by the teacher) and spoke about their hat for 1 minute.

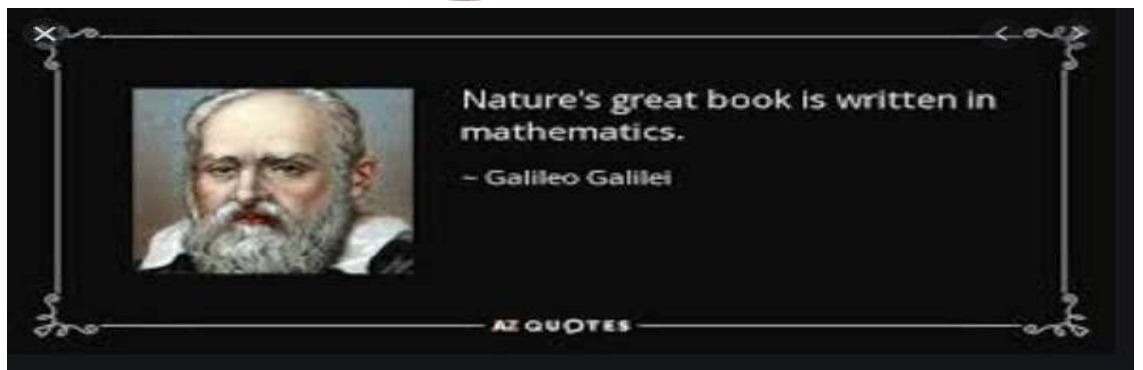
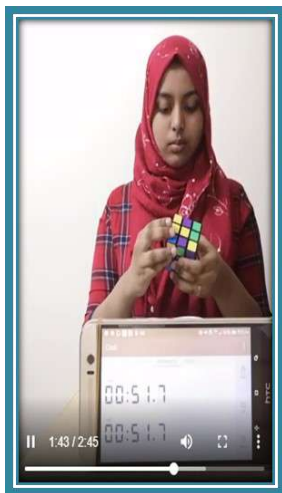
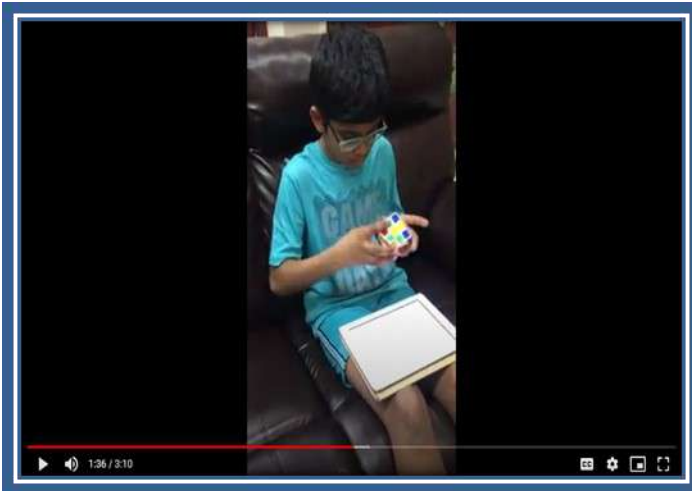


# Fun Math Competitions



# Rubik's Cube Challenge Competition

In the first 30 seconds the children were asked to scramble the puzzle and to show the unsolved cube on the camera before beginning to solve it.



Harshetha of 3 A has been selected in top 20 from 1000 participants.

Harshetha's topic was 'Awareness about wasting water.'

Competition Name : Waste horror stories.

Company : Ahlanwasahlan group.

Conducted date 28th October.

Conference on 31th october.



## World Food Day celebration at AJI 1-6

### Grade 1 Food day Activity October, 2020



AJI Primary Grade 1-6 celebrated 'Food day' to heighten public awareness on the problem of hunger, malnutrition and poverty. Food Day aims to promote healthy diets and eradicate hunger issues.

#### Art Integration:

To incorporate art integration students of grade 1 created a variety of designs using fruits and vegetables. They also designed the healthy plate with their favourite food.

#### Oath Taking:

Students of Grade 1 took an oath to 'Not to waste food and water'. They also agreed that when they grow up, they will work to eradicate hunger.



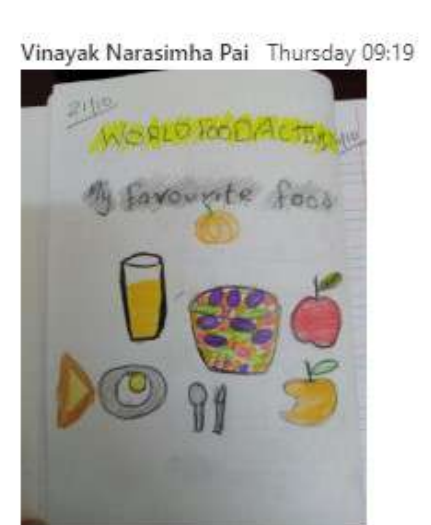
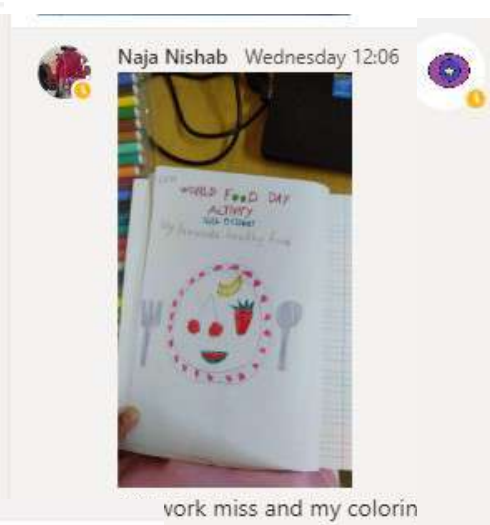
**BEST DAYS ARE ALWAYS  
THOSE WHEN YOU  
ENJOY BEST FOOD  
ON YOUR PLATE**

LOVESOVE.COM

*Happy  
World Food  
Day*



# Grade 1-Healthy Plate

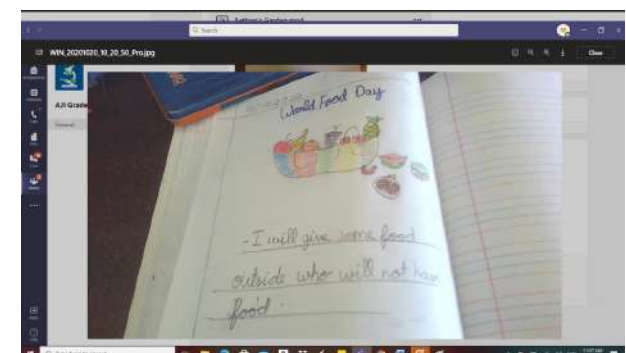
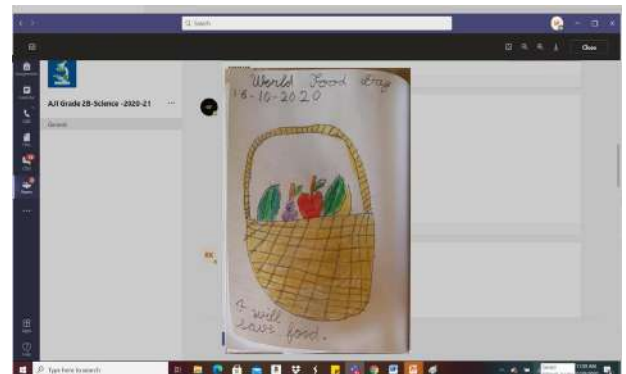


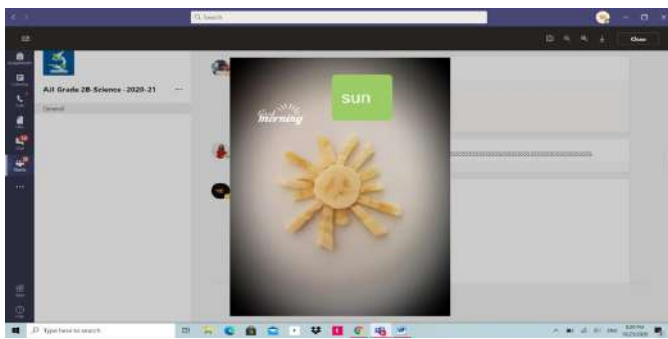
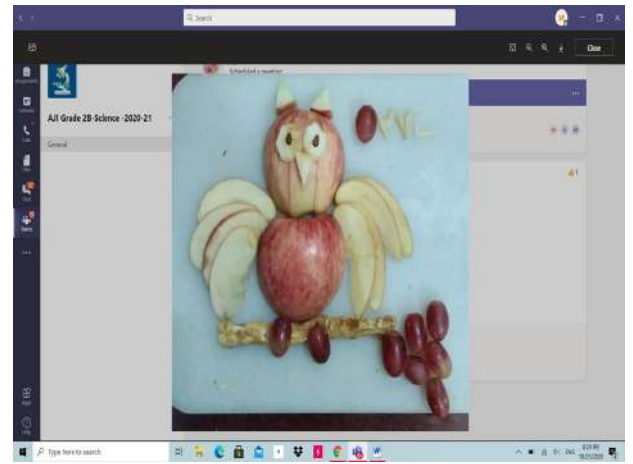
## Grade 2- Food Art (Art integration)

World Food Day is celebrated on 16<sup>th</sup> October every year. This year is the 75th year of the event, occurring at a time when the COVID-19 pandemic threatens food security in many parts of the world.

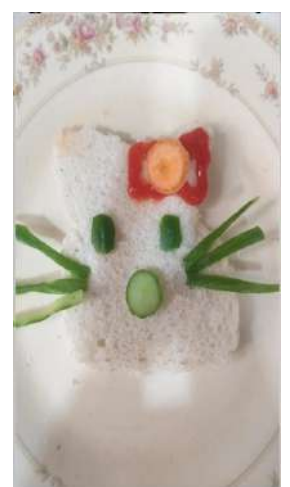
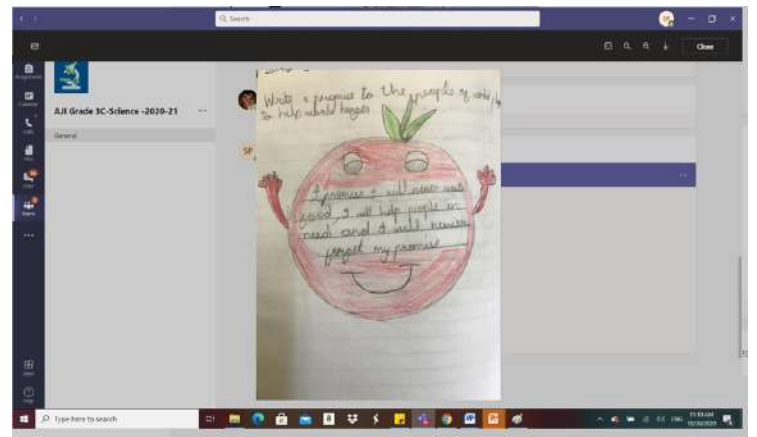
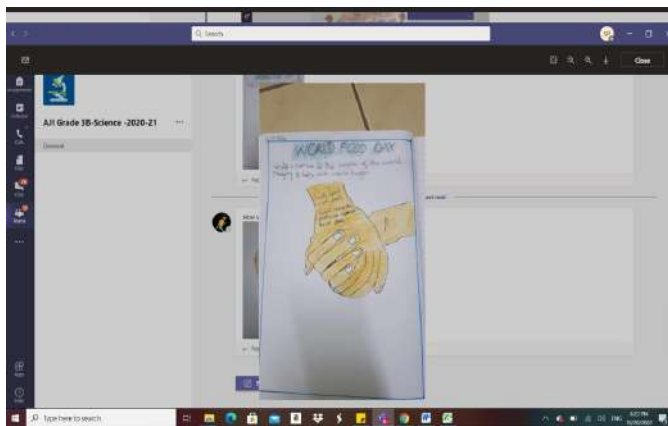
This year's theme is "Grow, Nourish, Sustain. Together". It aims to raise awareness of (and action for) areas and communities whose access to food has been affected by the coronavirus pandemic. It also focuses on Food Heroes who work to produce healthy and sustainable food.

On this occasion, students discussed the importance of food and where does our food come from (farm to table). They have promised to help end world hunger and thereby helping the people of the world. They also had some fun, preparing healthy and nutritious sandwiches from a variety of ingredients, they learnt about the nutrients present in the ingredients and also shared the same information with the class.





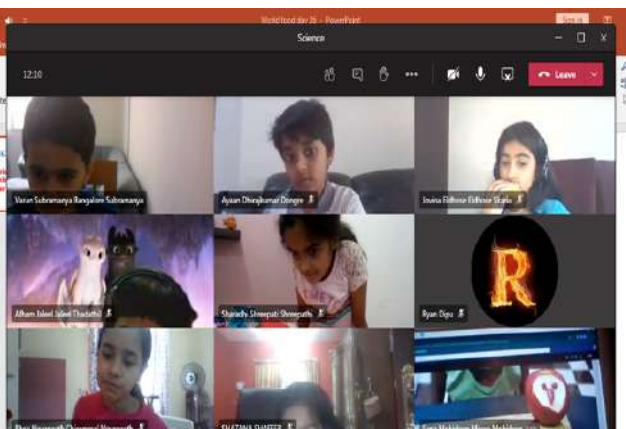
## Grade 3 - Food Art (Art integration)





Food day activity  
16.10.20  
"Grow, nourish,  
Sustain, Together.  
Our actions  
are our future."

Students of Grades 4&5 prepared healthy sandwich as a part of the Food day activity. They explained the experience of sandwich making and wrote about the ingredients and the nutritional value of the ingredients. They enjoyed the video and the theme of world food day.



# Grade 5 Food Day Activity

