

PADMA SESHADRI BALA BHAVAN SENIOR SECONDARY SCHOOL, SIRUSERI

Enchanted by numbers!!

On 21-Nov-2020, Saturday, the members of the Math club belonging to classes 6 and 7 met for the second time along with the teachers, Mrs Sudhaa D, Mrs Krithika Ganesh, Mrs Rakhee and Mrs Akila.

The meeting started with a prayer. Nakka Lakshya, from class 7B1 presented information on the Golden Ratio using a ppt. He also spoke about a few fun facts based on the Golden Ratio.

Then, the students were engaged in creating magic squares (3x3 and 5x5) by Mrs Krithika. The children were enthusiastic participants and were able to create a 3x3 magic square at ease; they created with consecutive numbers and also with a set of even numbers. A few of them created a 5x5 magic square by themselves and the others understood the same with a little help. The children enjoyed the activity thoroughly and offered to try bigger magic squares at leisure. Rather than solving a puzzle as usual, creating one enchanted the children.

A video depicting the presence of the golden ratio in the real life was played to the children at the end.

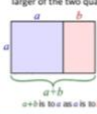
Shutterbugs

Math club

PSBB SRS

Golden Ratio

In mathematics, two quantities are in the **golden ratio** if their ratio is the same as the ratio of their sum to the larger of the two quantities.



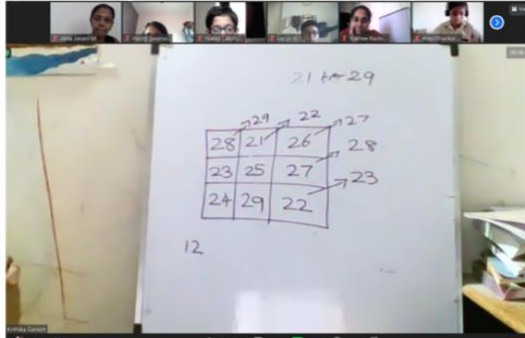
$$\frac{a}{b} = \frac{a+b}{a}$$

where the Greek letter ϕ represents the golden ratio. Its value is:

$$\phi = \frac{1 + \sqrt{5}}{2} = 1.618033987 \dots$$

Fun fact

Nature follows the golden ratio of 1:1.618 in everything.
 Example : the ratio of men : women is 1 : 1.618 and it is the Same for all animals .



21 to 29

28	21	26
23	25	27
24	29	22

12

