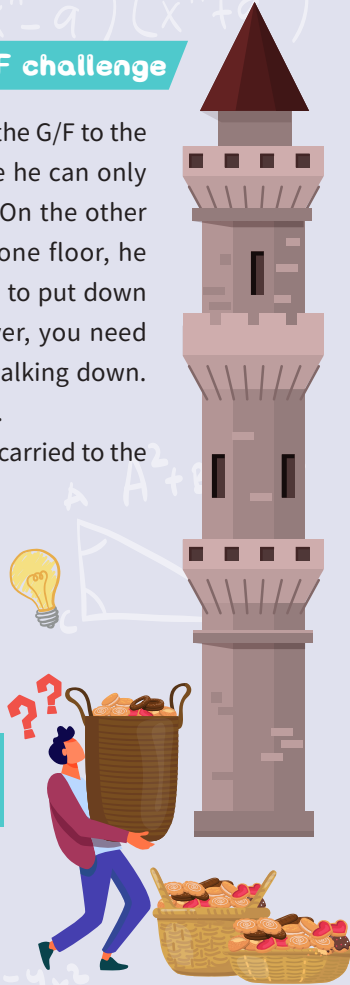


Math Garden: Hungry man and 100/F challenge

Mr. Chow has 200 biscuits. He needs to walk from the G/F to the 100/F. As Mr. Chow has limited energy, each time he can only carry a maximum of 100 biscuits while walking. On the other hand, he loves eating. For walking up or down one floor, he will eat one biscuit. While walking, he can choose to put down some biscuits on the floor and go down. However, you need to prepare enough biscuits for him to eat when walking down. Otherwise, he will be angry and will not do the job. Find the maximum number of biscuits that can be carried to the 100/F.

Creativity time: Suggest some methods for Mr. Chow so that he can go back to the G/F.

A \$30 Mc Donald Voucher will be rewarded for the 1st student who solves this mystery.



Mathvengers Assemble >

GAUSS

There was a LAZY Teacher. All the students were ALARMED!

Some struggled... 1 minute later... Gauss was CORRECT!

1 + 100 = 101	48 + 53 = 101
2 + 99 = 101	There are in total
3 + 98 = 101	50 "101"s
...	So it is
...	5050

The End!

Bauhinia Yeung (35) Maegan Leung (17)

Video link



Information >

PRESENTED BY: MATH CLUB 數學學會

ADVISOR:

Mr. Chan Mung Hung Sam

EDITOR:

Ms. Cheung Yui Chi Jannie

Mr. Chow Ling Hin

CLUB MEMBERS:

Chairperson: MS3E Chan Edna

Mr. Ng Chun Lok Jason

Vice-chairpersons: MS3Y Lee Hau Yi

MS2I Sek Yan Tong

Ms. Siu Kam Yi Kimmy

A gift will be given to the first 5 students who:

solve 5 puzzles correctly -- tiny gift only

solve 6 puzzles correctly -- small gift

solve 7 puzzles correctly -- bigger gift

solve ALL 8 puzzles correctly -- mega gift

Please contact Ms. Siu or Mr. Ng @ 7/F, Campus II if you know the answer.

Contributions are welcome!

Math x Library >

Now, you can access all Mathgazines and the ebooks: Discovering Math with Fun in the school library web site. Check here.



IG Giveaway >

Continue to try more interesting questions on our instagram account!



Sudoku game

	3			2	7		5	8
2			6	8			1	
	7				5	4		2
		7		3				5
		6		9	8			
5		3	7	6	4			9
	5					2	9	
7	6	2			9		8	
8	1			5	6	7		

Alphametics >

In the figure below, each distinct letter represents a unique digit such that the arithmetic sum holds.

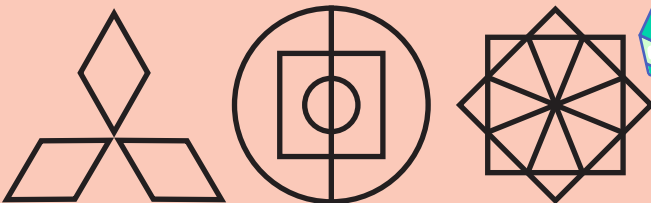
$$\begin{array}{r} \text{MOST} \\ + \text{MOST} \\ \hline \text{TOKYO} \end{array}$$



Mathvengers Assemble 數神榜 2—Euler 歐拉

1. Draw draw draw

Can you draw the diagram in one stroke, and the strokes are not repeated?



Can you explain why?

2. Cross out unwanted words

Leonhard Euler (1707 – 1783) was a Swiss mathematician. He lost his **vision/ hearing** after a severe disease. However, he **slept all days/ published a lot of important results** even after his misfortunes.



Units digit mystery >

What is the units digit of the number

$$\underbrace{4 \times 4 \times \dots \times 4}_{20212022 \text{ times}} ?$$

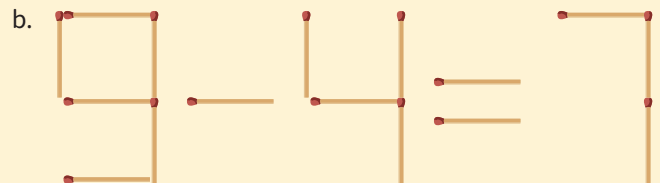
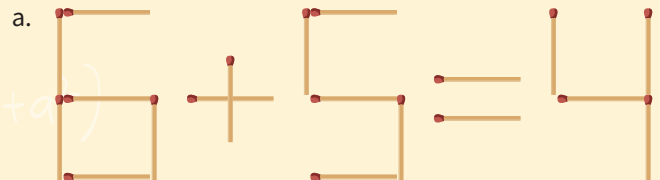
Water Challenge >

You are given two containers, one has a volume of 5L while the other one has a volume of 6L. Your mother challenges you to take 3L of water from the river for her using only the above containers. How to do it?



MATCH STICK MATHEMATICS

1. Move only 1 match stick in each of the following equations so that they are correct.



2. Can you create two smaller equilateral triangles by moving just four match sticks?

