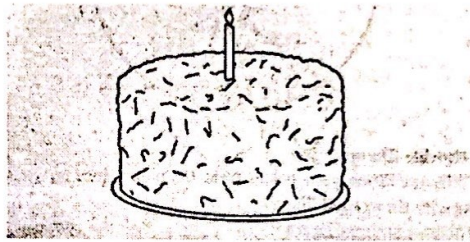


Math & Logic Puzzles

The idea of this online class is to teach critical and abstract thinking the fun way - through the rich history of puzzles and riddles.
All material has been collected and presented by International Master in Chess, Silas Esben Lund.

Example: Cut a cake into 8 equal pieces with only 3 cuts.



Level 1 is estimated to cover grades 1-2.
However, check out the rest of the puzzles of week 1 below!

Join ALL online activities in the first week for FREE:

***Presentation:** join the online group session this **Monday 3/23** at 10-10:30pm. Here, I will explain how the puzzles of week 1 work.

***Solutions:** join the online group session on **Friday 3/27** at 10-10:30pm. Here, I will present the solutions as well as methods of solving.

If you wish to continue beyond week 1,
sign up for week 2-4 for a total of \$45.

Full program

Week 1: March 23 and 27 (10-10:30am)

Week 2: March 30 and April 3 (10-10:30am)

Week 3: April 6 and 10 (10-10:30am)

Week 4: April 13 and 17 (10-10:30am)

Information

Sign up & questions: silas.lund@gmail.com

Payment: \$45 via PayPal or Venmo using mulu0328@gmail.com

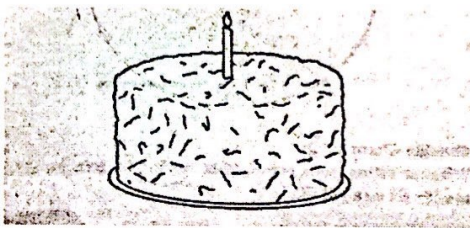
Zoom is our online presentation tool.

We are currently working on a level 2 and 3 that will be launched later. Stay tuned on silasesbenlund.com/math_and_logic_puzzles

Week 1, level 1 has 5 riddles and 5 puzzles.
The weeks 2-4 will each consist of 10 puzzles and 10 riddles.

5 examples of level 1 riddles

- 1) Cut a cake into 8 equal pieces with only 3 cuts.



- 2) Water lilies double in area every 24 hours. At the beginning of the summer there is one water lily on a lake. It takes 60 days for the lake to become completely covered with water lilies. On what day is it half covered?

- 3) Sam is 3 times as old as May. In 2 years, he will only be twice as old. How old are they?

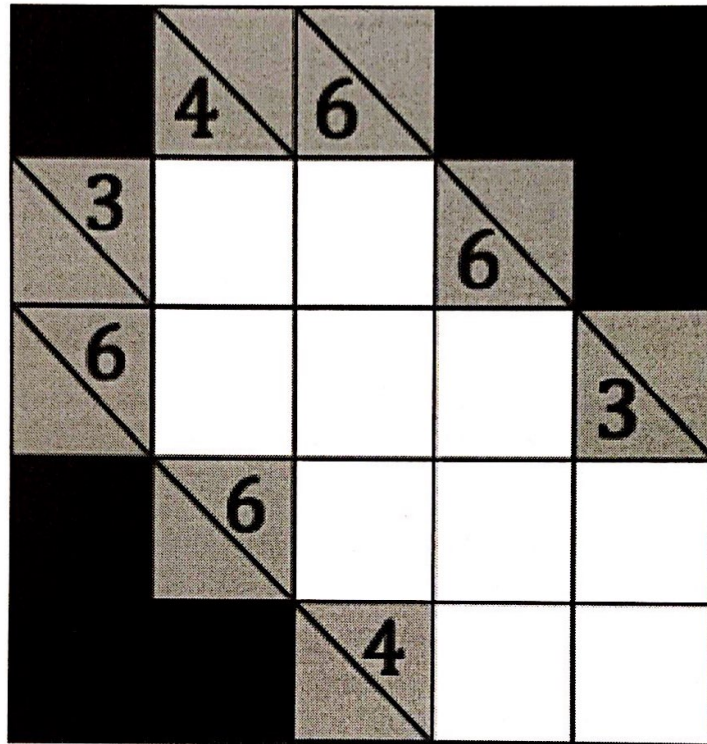
- 4) Which number comes next in this sequence? 1, 1, 2, 3, 5, 8.

- 5) *There is three errors in this sentence.* Can you find them?

5 examples of fun puzzles will follow on the 5 pages below.
These include Kakuro, Sudoku, Magic Figure, Spot the Sum and a mixed puzzle.

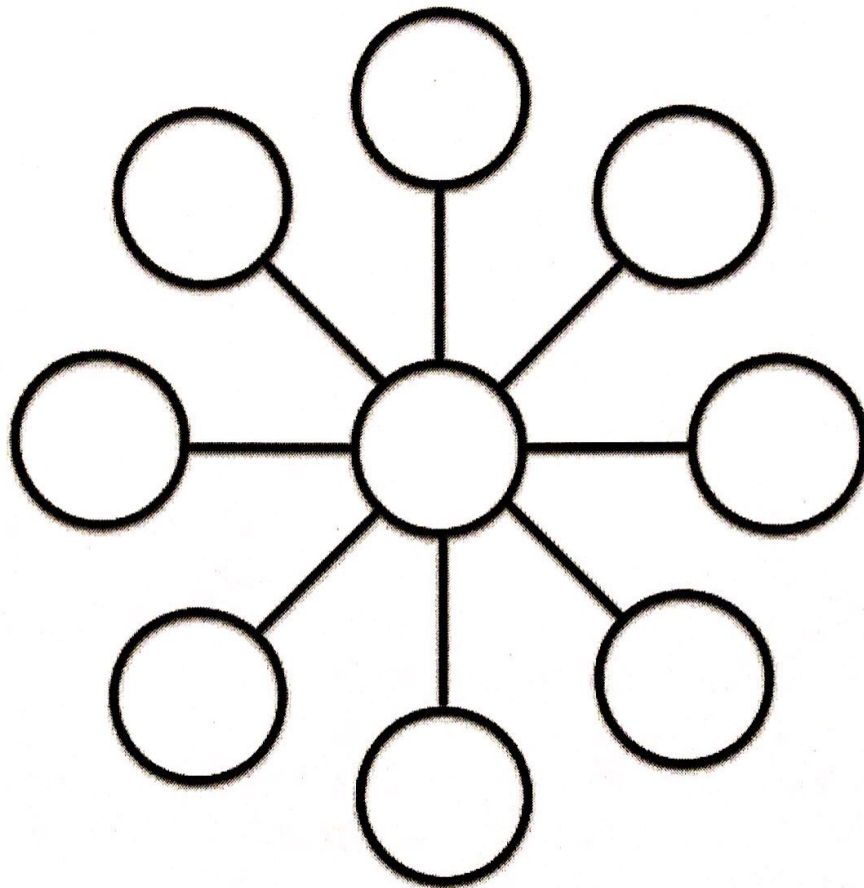
Kakuro 1

Use the numbers 1 to 3 to fill the empty cells so that the sum of each horizontal block equals the clue above the diagonal line, and the sum of each vertical block equals the clue below the diagonal line. Each number can only be used once per block



Puzzle 6

Write the numbers 1 to 9 in each circle so that any three numbers in one straight line will add up to 15. Each number may only be used once



Puzzle 4

Add the numbers 1, 2 and 3 to the grid so that there is a 1, 2 and 3 in every row and column

	1			2
3				1
		2	3	
	3			
		1	2	

Spot the Sum 1

One of the numbers below is the sum of two others.
Find the three numbers

13	24	32	43	17
2	28	7	16	

Sudoku 1

Place a number in each empty square so that each row, each column and each 2 x 2 block contains all the number from 1 – 4

		1	
			4
2			
3	4		