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## Look at your world differently

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### WORD LADDER

How to play  
On each step, change one letter from the words above and/or below to match the clue. Continue until you fill the ladder, connecting the word at the top to the word at the bottom.

LEAN
LEAD
LEND
LIND
LINT
LILT
TILT

#### CLUES

- Heavy metal whose symbol is Pb
- Allow to borrow
- Jenny \_\_\_\_, Swedish soprano
- Surgical cloth
- Cadence

### PYRAMID MATHS

Add the adjacent numbers together and write their sum in the block above them. Continue until you have completed the pyramid.

**Tip:** In some cases you may use the inverse operation of addition (ie. subtraction) to help find the numbers in the pyramid.

		114		
	61		53	
	27	34	19	
	8	19	15	4
1	7	12	3	1

		102		
	44		58	
	16	28	30	
	5	11	17	13
1	4	7	10	3

### SPEAKING IN



Maths riddle: Bob adds three numbers. Afterward, he multiplies the same numbers and gets the same result. What are these numbers?

The answer: 1, 2, 3.

The explanation:  $1 + 2 + 3 = 6$ ;  $1 \times 2 \times 3 = 6$ .

### FUTOSHIKI

Futoshiki also known as "More or Less" is a logic puzzle with simple rules and challenging solutions.

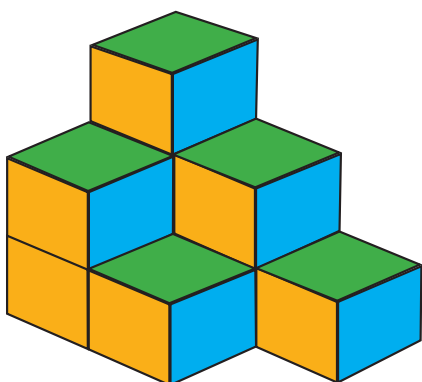
The rules are simple.

Fill the grid with numbers 1-4.

- Each row and column must contain only one instance of each number.
- The numbers should satisfy the comparison signs - less than or greater than.

1	<	3	2	5	>	4
3	4	1	2	5		
4	1	5	3	>	2	
2	5	4	1	3		
5	2	<	3	<	4	1

How many cubes are there?



**Answer: 9.** Did you count the blocks that are hidden behind? The bottom layer has 5 blocks, the second layer has 3 and the top layer has 1 block.

### WORD CONNECTS



**How to play**  
Link the letters to form seven separate words. Each word must have "LI" in the center of the word, as in the example: "Splice"

BE BE IN OB PO RE SP UP CS CE GE NE FT ED EF CE

### WORD SUDOKU

Solve this puzzle as you would a Sudoku. Fill the 9x9 grid with the word **TRIANGLES**, without repeating any letters in the same row and column. The letters must be placed in each row, column, and 3x3 block.

R	A	T	E	N	S	I	G	L
I	E	S	R	L	G	T	N	A
L	G	N	A	T	I	R	E	S
A	N	G	S	R	L	E	I	T
T	S	I	G	E	N	A	L	R
E	R	L	I	A	T	N	S	G
S	I	A	T	G	E	L	R	N
G	L	R	N	I	A	S	T	E
N	T	E	L	S	R	G	A	I

What is the missing number in the bottom circle?

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

This brain teaser requires you to observe the number and find out the logic. Look carefully; the number in the center circle of each line is half the sum of numbers towards its left and right. So, for the last line, the answer will be:  $9 + 3 = 12$  ( $\div 2$ ) = 6