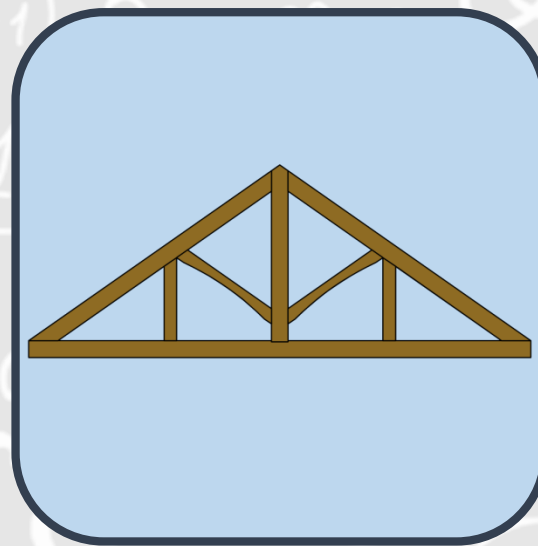


NUMERACY CHALLENGE



LEVEL 1



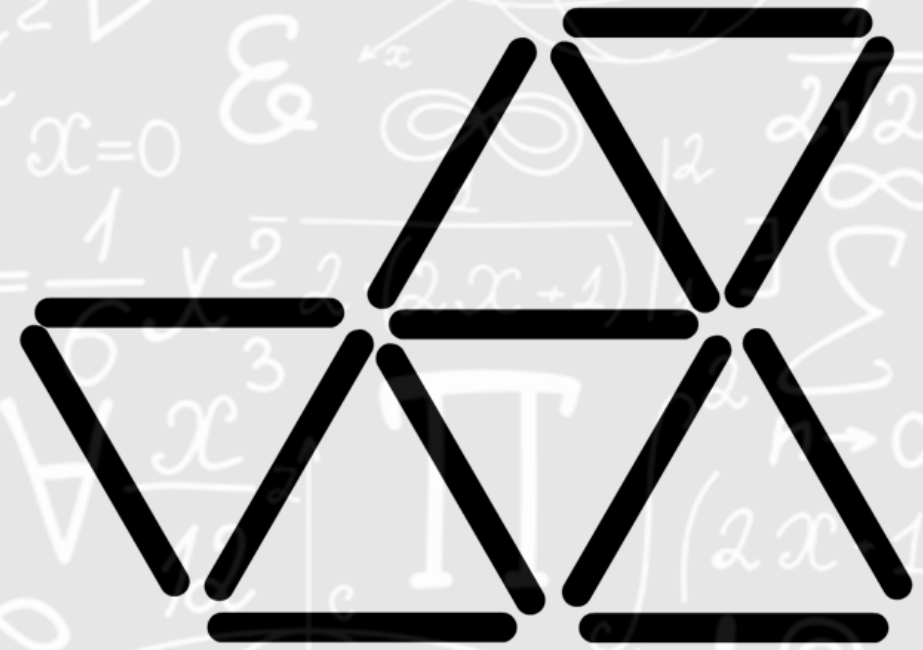
LEVEL 2

ACCESS MATHS

NUMERACY CHALLENGE



Triangles are commonly used in construction to create supporting structures. The sum of every triangle's internal angles is equal to 180 degrees and this a key factor when building roof trusses for houses!



Can you remove three lines to leave only three triangles?

LEVEL 1

NUMERACY CHALLENGE

1	2			
3	4			
5	6			
7	8			
9				

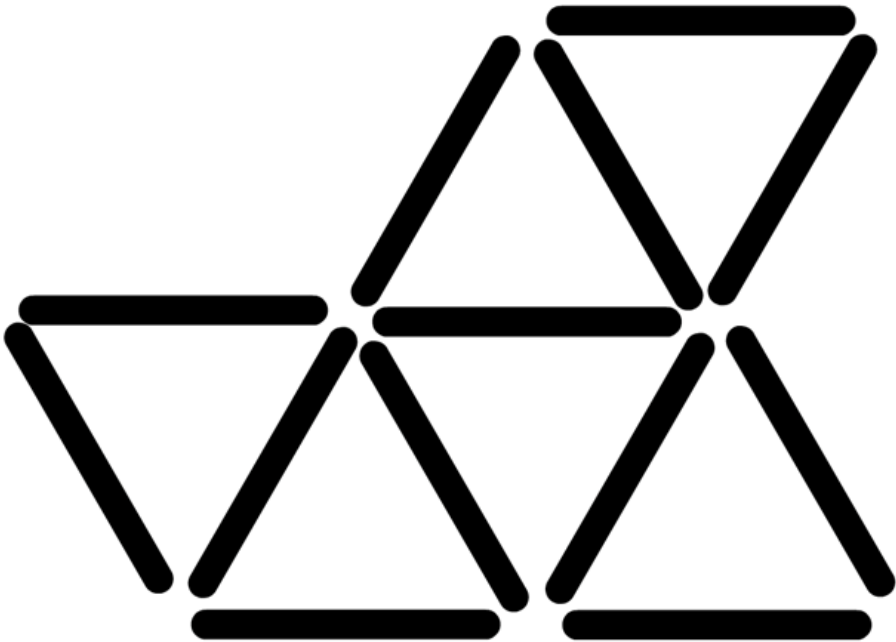
+

9	9	9

Can you use all 9 of these numbers (once each) in the empty circles so that the sum is true?

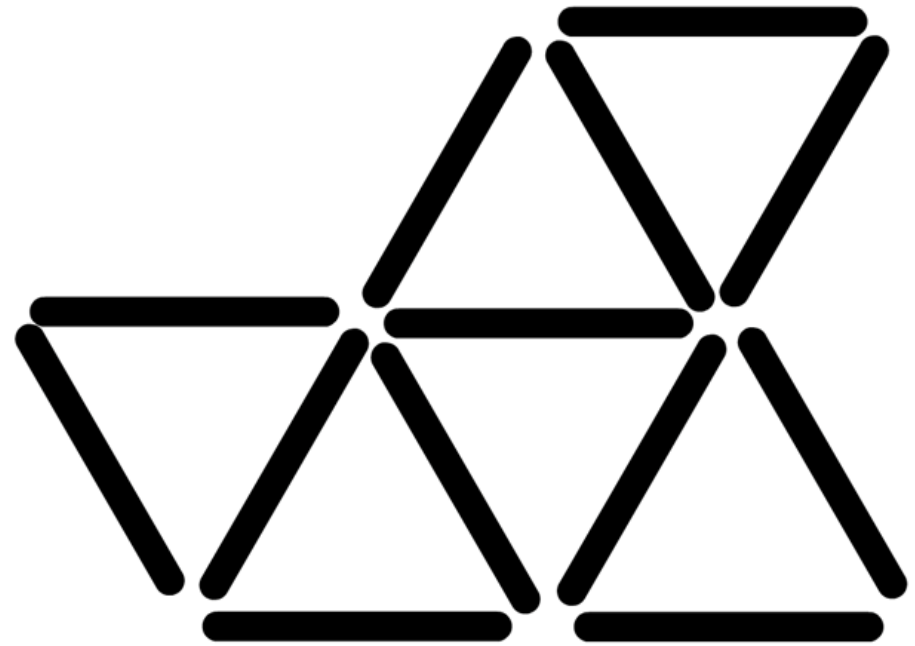
LEVEL 2

NUMERACY CHALLENGE LEVEL 1



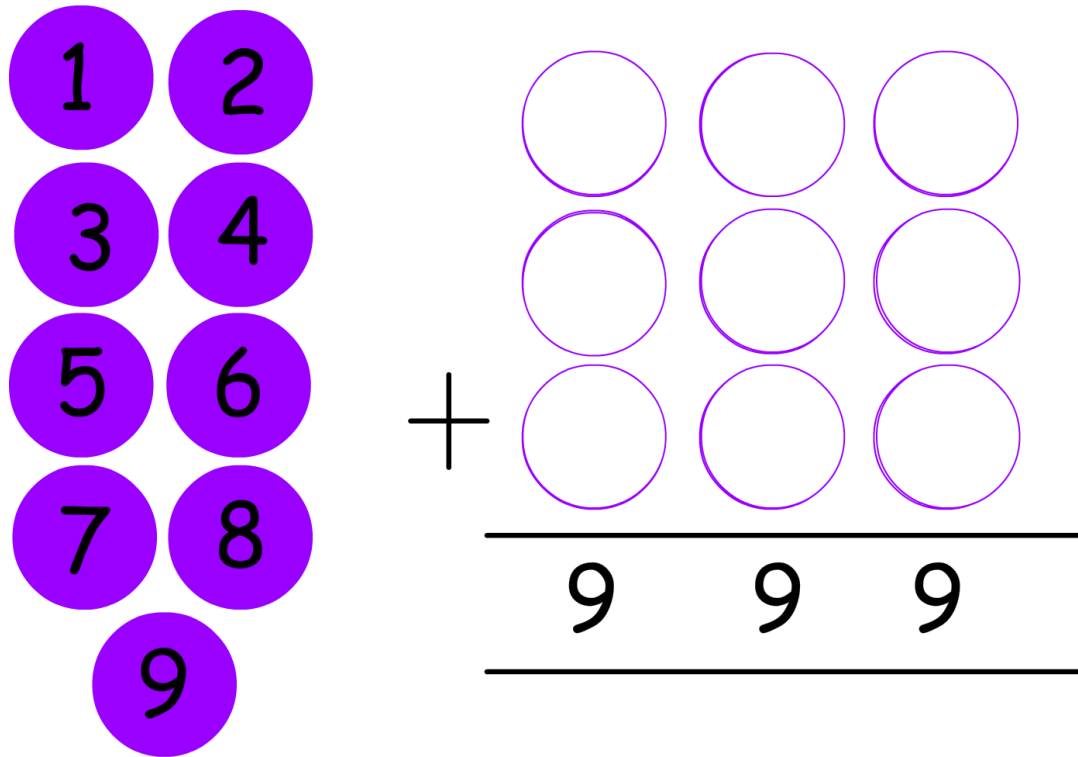
Can you remove three lines to leave only three triangles?

NUMERACY CHALLENGE LEVEL 1



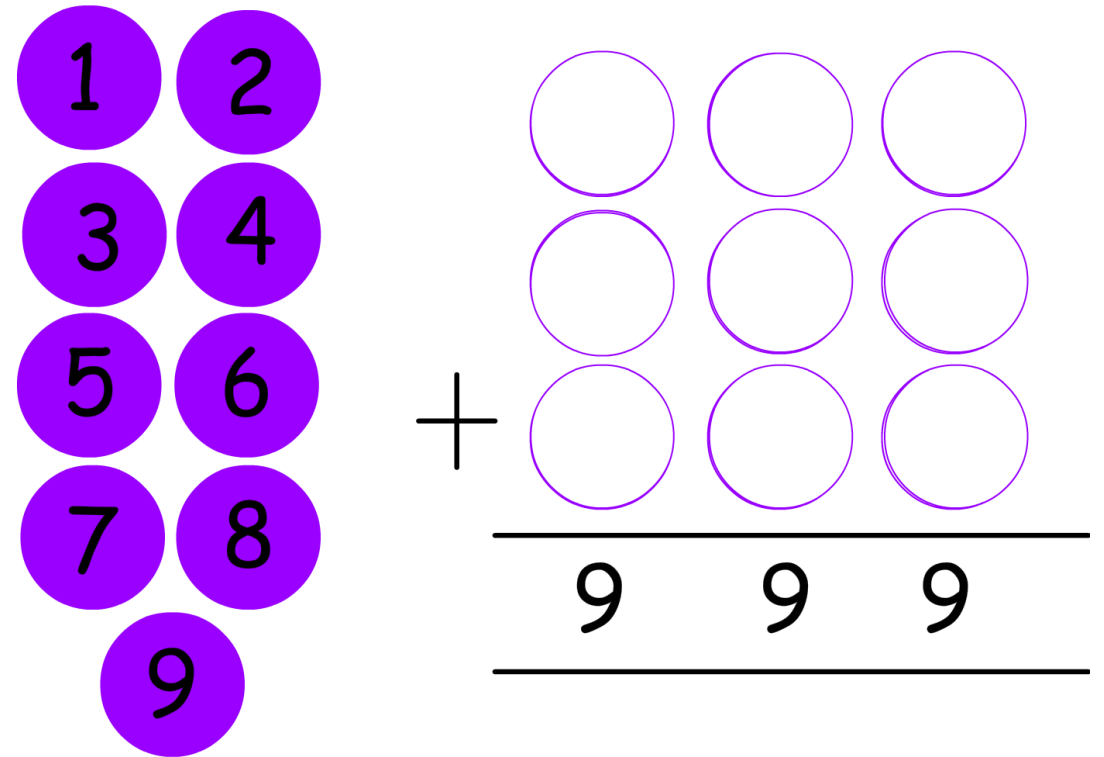
Can you remove three lines to leave only three triangles?

NUMERACY CHALLENGE LEVEL 2



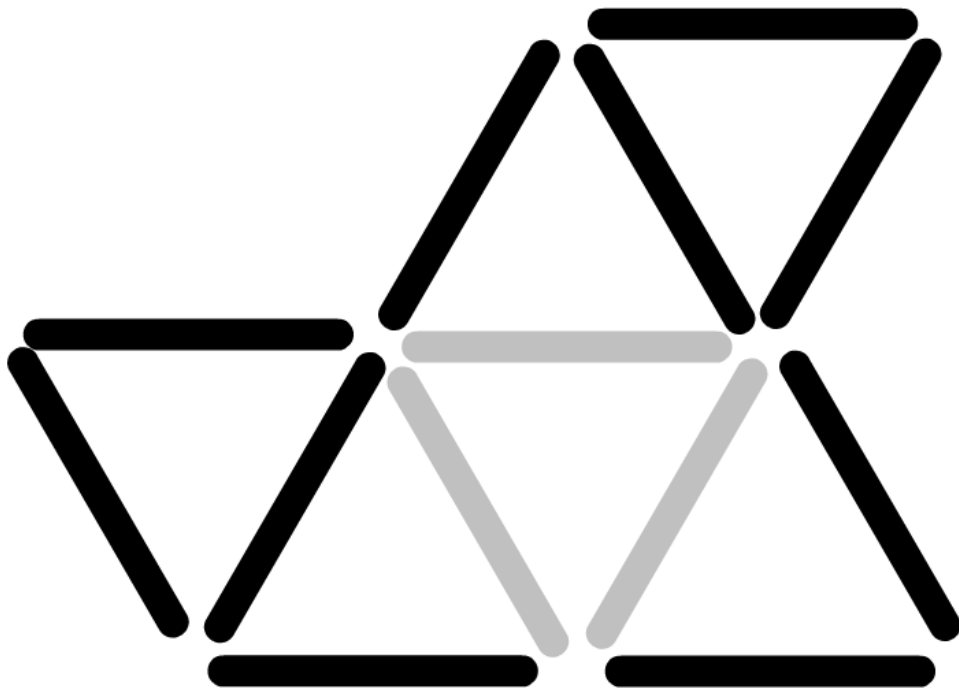
Can you use all 9 of these numbers
(once each) in the empty circles so that
the sum is true?

NUMERACY CHALLENGE LEVEL 2



Can you use all 9 of these numbers
(once each) in the empty circles so that
the sum is true?

LEVEL 1



If you want the interactive version, go here:
<http://www.ilovemathsgames.com/Flashpuzzles/lines%20puzzle4.swf>

The correct answer is the middle three lines, leaving one big triangle, and two small ones.

LEVEL 2

The trick is to make the 3rd column add to 19, the 2nd to 18, and the 1st to 8. There are various ways to do it!

1	5	2
3	7	9
4	6	8
<hr/>		
9	9	9
<hr/>		

5	3	4
2	7	6
1	8	9
<hr/>		
9	9	9
<hr/>		

Here are a few solutions I made up but if you would like to test your answers check here:

<http://www.ilovemathsgames.com/Flashpuzzles/puzzle%209999.swf>