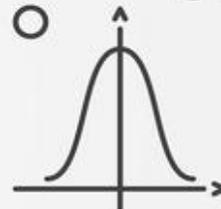


**YOUR CHALLENGE** Magic Triangle

**CAN YOU SOLVE THIS MAGIC TRIANGLE ?**

1	4	7
2	5	8
8	6	9



## STEP 1

## What is a magic triangle ?

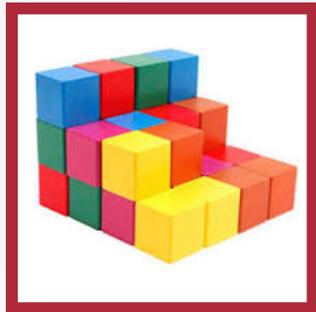
Do you ever use math as a tool to solve interesting problems? In the 1970s math was often taught with simple worksheets. One teacher developed an exciting way to learn math and logic; he developed what is now known as the magic triangle puzzle.

Try it —and have  
some fun as you  
start thinking about  
counting in a whole  
new way!



## STEP 2

## Gather Your Materials



OR



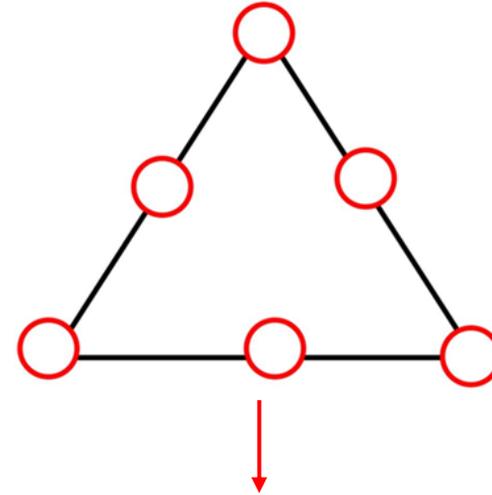
OR



### STEP 3

### Create your magic triangle & resources

**Create your triangle** - Draw a large triangle on a sheet of paper (you can use a ruler to help make straight lines). Use a coin to trace a circle on each corner of the triangle and in the middle of each side. You should have six circles.



Choose small objects that stack easily. Pennies, plastic toy cubes and stackable sweets are all good choices.

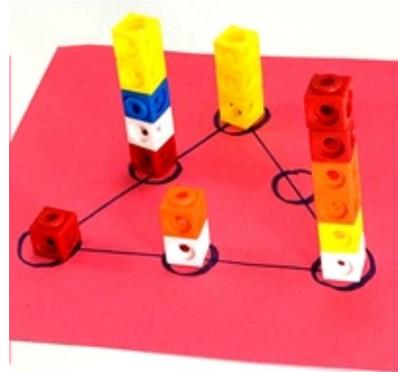
OR

You can create number disks:  
Draw six circles similar in size to the ones drawn on the triangle. Use another sheet of paper. Cut out these circles, and number them 1 through 6.

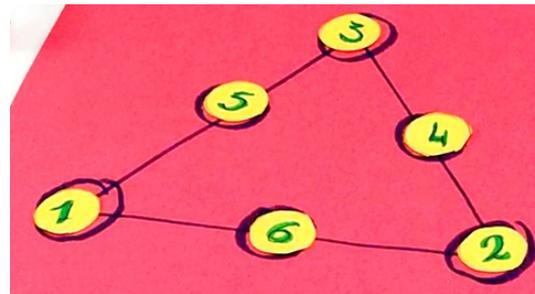
## STEP 4

Get to work !

On your triangle use your number disks or your chosen objects to get each side to add up to 9



Keep trying until  
you find a  
solution!



\*Remember every  
circle must have a  
number or object and  
each side must add up  
to the same number \*

## STEP 4

Make it harder !

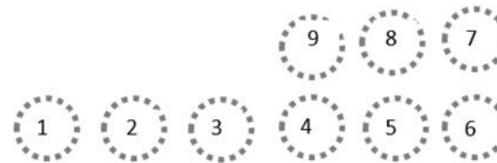
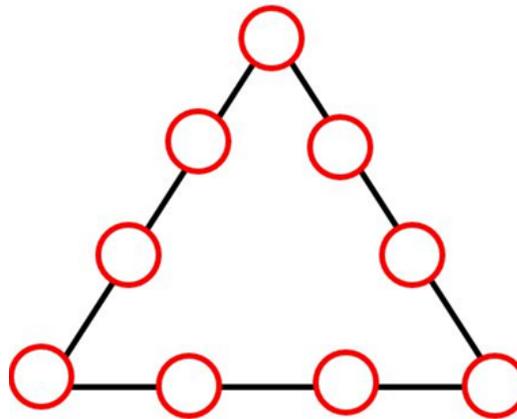
Now can you get  
you make a bigger  
magic triangle ?

What will each side  
add up to?

Give it a go!!



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Send us a picture of your project



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