

Which calculation is the odd one out?

$100 \div 11$     $100 \div 22$     $100 \div 33$     $100 \div 44$     $100 \div 55$

$100 \div 66$     $100 \div 77$     $100 \div 88$     $100 \div 99$

Can you find a number which has  
two 1s which are 1 digit apart,  
two 2s which are 2 digits apart,  
two 3s which are 3 digits apart,  
two 4s which are 4 digits apart?

$$\square^2 + \square^2 + \square^2 = \square^2 + \square^2$$

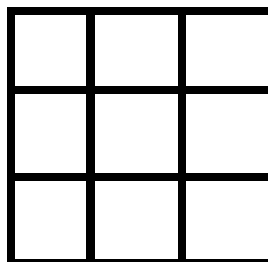
make this sum work by placing 5  
consecutive positive integers in the  
boxes



I spilled some alphabet  
soup onto a 3x3 grid  
(yeah, really). E is to  
the right of C. A is to  
the right of G which is

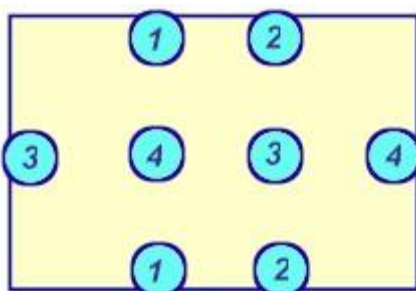
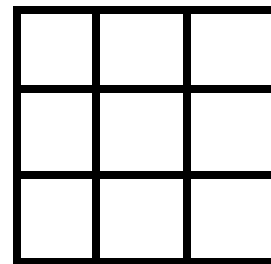
above B, which is to the  
left of F. I is above D which  
is to the left of G.

Complete the grid to show  
where it landed!



CAN YOU MAKE A THREE BY  
THREE MAGIC SQUARE IN WHICH  
THE PRODUCT OF EACH ROW,  
COLUMN, AND DIAGONAL IS  
10000?

IN EACH SQUARE YOU SHOULD  
HAVE A DIFFERENT NUMBER.



**DRAW A LINE TO CONNECT BOTH 1s,  
DRAW A LINE TO CONNECT BOTH 2s, AND SO ON.  
THE LINES CAN'T CROSS  
OR GO OUT OF THE RECTANGLE.**

**100 ÷ 777 is the odd one out (all the others give a recurring decimal of 2 digits)**

41312432

OR 23421314

Two solutions are:  $10^2 + 11^2 + 12^2 = 13^2 + 14^2$

$$2^2 + 4^2 + 5^2 = 3^2 + 6^2$$

I	C	E
D	G	A
H	B	F

5	100	2
4	10	25
50	1	20

**SOLUTION WILL BE OBVIOUSLY CORRECT BY INSPECTION**