

Please go through each slide stopping until you have understood the concept described

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## It is Always 1089

This is another enigma. When you do this the answer is always 1089.

Choose three different numbers, e.g. 4, 7 and 1

Arrange them in descending order so the largest is the hundreds, the next the tens and the smallest the units.

EG:	7 4 1	
Now reverse them.	1 4 7	
Subtract		
	5 9 4	Why2
Reverse	495	Why?
Add		
	1089	



## Always 1089 – The Proof

Give the three number symbols A, B, and C. We are using algebra again !!

The method adds 90+10-100 = 0 to demonstrate the proof

Action	Hundreds	Tens	Units
Start	A	В	С
Add 90+10-100 = 0 So No Change	A-1	B+9	C+10
Reverse the original	С	В	Α
Subtract	A-1-C	9	C+10-A
Reverse	C+10-A	9	A-1-C
Add	9	18	9
Rationalise	10	8	9

You are supposed to eat three square meals a day.

Why are they always served on a round plate?





Please go to the next lesson.

**Ancient Multiplication**