# MAGICAL MULIPLYING

Ask a friend to think of a 3 digit number.

Ask the same friend to multiply the number by 7, 11 and 13.

??? x 7 x 11 x 13

Ask them to tell you the answer. You know the original number they chose as it is repeated twice in the answer!

$$123 \times 7 \times 11 \times 13 = 123,123$$

## ALWAYS 1089

Write 1089 on a piece of paper, fold it up and give it to a friend..

Ask the friend to write down a 3 digit number where the first and last numbers are different. eg. 345

Ask them to reverse the number and subtract the smaller number from the bigger number.

543 - 345 = 198

Tell them to reverse the result and add it to the total from step 2.

891 + 198 = 1089

The answer should be 1089!