Some 4 digit numbers can be written as the product of a 3 digit number and a 2 digit number using each of the digits 1 to 9 once, and only once. The number 4396 can be written as just such a product.


## Can you find the factors?

Maths is full of surprises!
The numbers 5796 and 5346 can each be written as a product like this in two different ways.


## Can you find these four funny factorisations?

## Extension

There are two more funny factorisations to find, using each of the digits 1 to 9 once, and only once.
Can you fill in the blanks below to find one of them?


If you know a bit about computer programming, you may wish to write a program to find the final funny factorisation.

