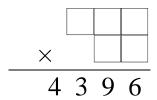
Funny Factorisation

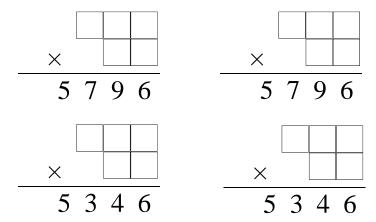
Some 4 digit numbers can be written as the product of a 3 digit number and a 2 digit number using each of the digits 1 to 9 once, and only once. The number 4396 can be written as just such a product.



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.

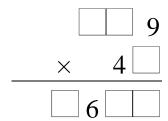


Can you find these four funny factorisations?

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.