



Written Multiplication


1 The table shows two lists of numbers.

Find the biggest and smallest numbers you can make by multiplying a List A number by a List B number. Show your working in the box below.


List A	List B
2875	65
3509	84
6371	27
4182	36

Biggest: 

Smallest: 



2 Fill in the missing digits in the calculation below, and work out the final answer.



$$\begin{array}{r}
 38 \square 4 \\
 \times \quad \square 7 \\
 \hline
 27 \square 48 \\
 \square 4 \square 760 \\
 \hline
 \square \square \square \square \square
 \end{array}$$

? A teacher asks Nigel, "What's the biggest number you can make by multiplying a four-digit number by a two-digit number? All the digits you use must be different."

Nigel says, "The biggest four-digit number with all different digits is 9876. And with the digits I have left, 54 is the biggest two-digit number. So the answer must be $9876 \times 54 = 533\,304$."

Find a bigger answer to show that Nigel is wrong. Can you find the correct answer to the teacher's question? How do you know that you're right?

"I can multiply a four-digit number by a two-digit number."

