

# 18 times table - wow!

1. Use the grid method to work out  $3 \times 18$ .
2. Add the digits together in the answer.
3. Now work together to work out the 18 times table from  $1 \times 18$  to  $10 \times 18$  or even beyond!

x	10	8	
3	30	24	= 54
	5 + 4 = 9		

4. Each time add the digits of the answers together. What happens?

Look at the pattern in your answers in order.

What happens to the 10s digits? And the 1s digits?

Does this help you to realise why the digit sums are as they are?

Use a calculator to multiply any number you like by 18, then add the digits together.

Does the same thing happen?

If you get an answer with two digits, add them again until you get a one-digit answer, e.g.  $27 \times 18 = 486$ .  $4 + 8 + 6 = 18$ ,  $1 + 8 = 9$ .