

STEP 1

Complete your multiplication grid. Use a pencil (don't press too hard as we will be changing some of the numbers).

STEP 2

Reduce double digit numbers by adding the digits together to create a single digit. If the answer is still 2 digits, add the digits again until you have a single digit number in the box.

MULTIPLICATION TABLE									
x	1	2	3	4	5	6	7	8	9
1	1	2	3						
2									
3		6							
4									
5								45	9
6									
7									
8						56=11	11=2		
9									

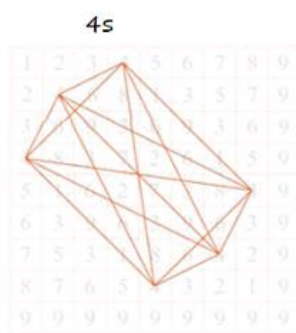
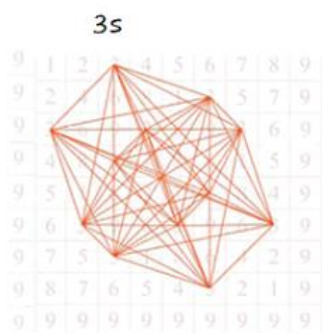
$5 \times 9 = 45$
so $4 + 5 = 9$

$8 \times 7 = 56$
so $5 + 6 = 11$
so $1 + 1 = 2$

STEP 3

Now investigate what patterns you make when you join the dots. Remember to use a ruler!

Choose one number and connect all of those numbers together. Here's what happens when you connect all the 3s or all the 4s:



Now it's your turn to investigate patterns. Choose a number and connect all of those numbers using a ruler.

When you have finished, colour in your pattern. Can you colour it to make it symmetrical?

If you finish one pattern, have a go at another. Perhaps you could try connecting all the odd numbers or all the multiples of 4?