**Spider’s Rainbow**

**Objective:** Add and subtract multiples of 10 to/ from 2-digit numbers.

**You will need**: sets of number cards 31 to 70, 1 to 6 dice, colouring pencils

* Choose a 2-digit number card, e.g. 42. Circle this number on the 1-100 grid:



* Roll the dice. *Let’s pretend you roll a 2*. Add and subtract this number of 10s from your circled number (2 tens are 20).
* Write the number sentences, e.g. 42 + 20 = 62 42 – 20 = 22
* Now for the fun bit! Colour in your answers on the 1-100 grid, using this code:
	+ - * + If you rolled a 1, adding and subtracting 10, colour red
				+ +/- 20 orange
				+ +/- 30 yellow
				+ +/- 40 green
				+ +/- 50 blue
				+ +/- 60 violet (purple)

So we would colour 62 and 22 orange…

* Keep rolling the dice, adding and subtracting until you have coloured **all** of the *possible* squares Spider can land on from that starting number.
* Look at the pattern someone else made. Is yours similar/ very different? Why?
* Repeat with a different 2-digit starting number.
* Can you make a whole ‘rainbow’ of our six colours starting on *any* number 31 to 70?