Thursday – Divisibility Rules Investigation

(Two numbers have been done for you as an example)

Number	Do the digits total a multiple of 3?	Division Calculation	Multiple of 3? (Answer has no remainder)
415	4 + 1 + 5 = 10 (No)	138r1 3415	No
951	9 + 5 + 1 = 15 (Yes, because 5 x 3 = 15)	317 3951	Yes

Challenge – can you test the divisibility rule for multiples of 9? The rules says that if the digits of a number add together to make a multiple of 9, then the number you started with will also be a multiple of 9.