Maths on your daily walk Number Plate Challenge 1

	When you get home		
Week 1	KS1	Y3/4	Y5/6
Number plates Y32I KJH Write down between 5 and 10 number plates with different numbers on them. As a family you could each collect different ones or allocate a few to each person.	**How many:** • Odd numbers • Even numbers • Numbers between 10 and 20 • Number between… • Number greater than 30 and less than 60 • Multiples of 5 • Multiples of 10 **Partition** • Write down all the 2-digit numbers and partition into tens and ones – you could use part/part whole. • Draw images of all the numbers you found or make them with something from home. **Compare and order.** • Order the numbers largest to smallest. **Totals:** • Add the digits how many different totals did you find? • Largest total • Smallest total • Even totals • Odd totals	**How many:** • Multiples of 3 • Multiples of 4 • Multiples of 6 • Multiples of 8 • 3-digit numbers • Even numbers between 50 and 90 etc **Rounding** • Round the numbers to the nearest 10, add them to a number line. **Totals:** • Using the values of the letters in scrabble and the numbers on the number plate. e.g. VX19GBZ 4+8+1+9+2+3+10 = • Find all the totals of the number plates. • you find? • Largest, even total • Smallest, odd total **Products:** • Using the numbers on the number plate as single digits. Find all the products. e.g., VX19BZW product is 1 x 9.	**How many:** • Square numbers • Prime numbers • Cube numbers • Numbers have more than 3 factors **Totals** • Using the values of the letters in the alphabet a= 1…z= 26 and the numbers on the number plate. Find the total of each number plate. e.g., VX19GBZ 22+24 +1+9+7+2+26 • Next order all the totals and draw them on a number line. • Round each total to the nearest 10 and 100. **Products** Using the values from scrabble for the letters, find all the products for your number plates. e.g., VX19GBZ = 4x8x1x9x2x3x10 **Countdown** Choose 5 of the numbers off the number plates. What totals can you make using any order of operations? e.g., 19,67,25,23,86

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