



Maths on your daily walk 2 Street/House Name challenge

	When you get home		
Week 2	KS1	Y3/4	Y5/6
<p>Street names or house names.</p> <p>Write down between 5 and 10 street names or house names.</p> <p>As a family each person could collect 2-3.</p>	<p>How many streets or house names have?</p> <ul style="list-style-type: none"> An odd number of letters An even number of letters More than 1 vowel More than 5 consonants <p>Compare and order.</p> <ul style="list-style-type: none"> What is the longest street name you found? What is the shortest street name you found? Order the street names in order of the number of letters they have. <p>Totals.</p> <ul style="list-style-type: none"> Choose a street name/house name off your list and write down how many letters it has. How many other ways can you make this number? Can you find 5 different ways? 	<p>How many street or house names have?</p> <ul style="list-style-type: none"> An even number of vowels An even number of consonants An odd number of vowels An odd number of consonants A total number of letters is a multiple of 3, 4, 6 or 8. The number of letters in the first name equals the number of letters in the second name. e.g., Mean Lane <p>Totals.</p> <ul style="list-style-type: none"> Using the scrabble values for the letters find the total of the different parts of the street names.  <p>e.g., Maths Road $\text{Maths} = 3+1+1+4+1$ $\text{Road} = 1 + 1+1+2$</p> <ul style="list-style-type: none"> Which part of the street name is worth the most? Least? Have even totals. Have odd totals. Both words have an odd total Both words have an even total. Multiples of 3, 4, 6 or 8 as a total <p>Products Using the totals from above then find the product e.g., $\text{Maths} \times \text{Road} = 10 \times 5 = 50$</p>	<p>How many street or house names have?</p> <ul style="list-style-type: none"> A total number of letters that is a factor of 36. A prime number of vowels or consonants The fraction of vowels is more than $\frac{1}{5}$ of the letters in the name. <p>Totals.</p> <ul style="list-style-type: none"> Using the values of the letters of the alphabet so a = 1 and z = 26. Now find the total value of each full street name. Now repeat the total but using the values of the letters of the alphabet in reverse so a = 26 and z = 1, so first find the value for each letter. Now find the total value of each full street name. Next find the difference between the 2 totals. <p>Products.</p> <ul style="list-style-type: none"> Choose 4 of your street names. Using the values from scrabble for the letters, change the street names into numbers.  <ul style="list-style-type: none"> Then use the first 3 numbers from first word and the first 2 numbers from the second word. <p>e.g., Maths Road = 311×11</p>