Maths on your daily walk 4 A Rainbow of Cars

	When you get home		
Week 4	**KS1**	**Y3/4**	**Y5/6**

On this walk you are going to collect different colours of car.
You will need to collect the number of cars for at least 4 different colours.
 	
If you are out as a family each person could choose a colour and count just their colour and you could share when you get back.
 	
Alternatively, you could do this over the week and choose a different colour each day.
 	
You can count cars for all your walk or just part of it – it's up to you.
 	
You might decide to use the colours of the rainbow and see what cars you see.
	Counting
	
	• How many of each colour car did you see?
	• Write down the number of each car in words.
	• Which colour was the most popular?
	• Which colour was the least popular?
	
	Statistics
	
	• Make a picture of your data using something to represent the cars it could be pasta, Lego, coloured bricks, buttons, your own toy cars.
	• Make a tally chart to show your data.
	• Write some simple statements about your data.
		Counting
		
		• How many of each colour car did you see?
		• What was the total number of cars?
		• What was the number of car wheels in total foreach colour of car? (car = 4 wheels)
		• Write down the numbers of each colour in order smallest to largest?
		• Look at the numbers what do you know about each number.
		
		Statistics
		
		• Choose your own scale and create a bar chart to show the different colours of cars.
		• Write some statements to compare the 4 different colours of cars e.g. There were 2 more blue cars than red cars but 6 less red cars than black cars.
		• Make a pictogram to show how many cars for each colour using ● for every 2 cars.
		• Make a pictogram to show how many car wheels for each colour using ● for every 8 wheels.
		• What do you notice about your two pictograms?
		
		Length and Height
		
		• The average length of a car is 4500mm.
		• What is this in cm?
		• What is this in metres?
		• What would the length be of 10 cars all lined up with no space between them?
		• Most cars are 1.8m tall. Can you find objects in your house that are 1.8m tall?
		• The average mass of a car is 1500kg. What is this in grams?
			Statistics
			
			• Represent your data in a graph or a pie chart.
			• Write a short report on your data.
			• Based on your data are these statements true or false.
			  ○ The most popular colour of car is black.
			  ○ The least popular car is yellow.
			  ○ There are more silver cars than blue cars.
			
			Measures
			
			• The average length of a car is 4500mm.
			• How many cars could you fit lined up with no spaces between them on a 10km road?
			• Most cars are 1.8m tall. A two-storey house is approx. 52 metres tall. How many cars could be stacked on top of each other to be the same height as the house?
			• The average mass of a car is 1500kg. Find out your mass and calculate how many of you would equal the mass of a car.
			• If you have a car, then have a go at measuring its height and length at different parts of the car and draw a picture using your own scale.