













<p><b>Challenge 1:</b> When you are out, can you create a tally of how many different coloured cars you see? Can you make a graph when you come home showing how many were red, how many were silver etc?</p> 	<p><b>Challenge 2:</b> Find 8 different leaves outside and order them from smallest to largest. Can you use a ruler and measure them in cm? Is there anything else you can order in terms of length?</p> 	<p><b>Challenge 3:</b> Practise marching up the stairs counting in your 2 times tables. What number did you reach? As you march down the stairs, try counting them backwards. Did you get back to 0?</p> 	
<p><b>Challenge 4:</b> Ask a grown up for a food item that can be shared easily, e.g. raisins, orange segments, chocolate buttons, grapes etc. Count out 24 items. Explore how many ways 24 items can be shared into equal groups. You might share them between teddy bears e.g. share 24 between 2 teddy bears, then 3 teddy bears, then 4, and 5 etc. What did you find out?</p> 	<p style="text-align: center;"><b>Year 2 Autumn 1</b> <b>Maths Rocket Challenges</b> Please return to school by Friday 3rd November</p>  		<p><b>Challenge 5:</b> Collect 16 sticks from the ground. Collect 10 more sticks. How many have you got altogether? Write a number sentence to record your findings. How has 16 changed when we add 10 more?</p> 
<p><b>Challenge 6:</b> Collect up all the gloves in your house. How many single gloves are there? Match the gloves together. How many pairs of gloves do you have? If you can, record as a bar model/part whole model to show the relationship between halving and doubling.</p> 	<p><b>Challenge 7:</b> Find 20 items. Roll a dice. The number it lands on is the amount of items you take away. How many are left? Record the number sentence. Keep rolling and recording your answer until you get to 0. How many times did you have to roll the dice? What's the smallest amount of rolls you could have completed the game in?</p> 		
<p><b>Challenge 8:</b> Find 5 empty containers (e.g. yoghurt pot, ice cream tub, jar). Measure how much water each container holds using millilitres. Can you order them?</p> 	<p><b>Challenge 9:</b> A cooking challenge! Ask a parent to help you find a recipe to make a meal or bake a treat of your choice. Can you help by weighing all the ingredients accurately? What was the biggest number you looked at in the recipe? What was the smallest?</p> 	<p><b>Challenge 10:</b> Ask permission to help your Mum or Dad serve a meal (This might work best with a circle shaped meal e.g. quiche, pizza, pie). Are you able to cut it into equal parts? What fraction did you find?</p> 	

Record the challenges in any way you choose. For practical tasks, adults may want to sign to say the children have completed it. Bring your work into school when it is all completed for a special certificate!