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| <p><u>Challenge 1:</u> When you are out, look at a car registration plate and read the numbers. Can you find all the numbers from 0 to 9?</p>   | <p><u>Challenge 2:</u> Provide objects for children to sort into two sets. Ask children which set has more. Which set has fewer? Can children make two sets which are the same? How do they know they are the same? Encourage children to line the objects up to check</p>  | <p><u>Challenge 3:</u> Practise counting back from 10. Challenge someone to do a task in that time, e.g. can they write their name in 10 seconds?</p>    |
| <p><u>Challenge 4:</u> Provide children with a large amount of dough/ playdough and encourage them to break it up and roll it into balls. Ask children to share the balls of dough. Encourage them to compare their amounts. Who has more? Who has fewer? Can they share it so that they both have the same amount?</p>  | <p style="text-align: center;"><b>Year R Autumn 1</b><br/> <b>Maths Rocket Challenges</b><br/> Please return to school by Friday 3rd November</p>     | <p><u>Challenge 5:</u> In pairs, children grab a handful of objects, such as cubes, beads or conkers. Can your partner hold more than you, fewer than you or the same amount as you? Support children to line up their objects, with one line underneath the other.</p>  |
| <p><u>Challenge 6:</u> Ask permission to go into the shoe cupboard. Jumble up the shoes. Can you put them back into matching pairs? How many pairs do you have?</p>   |   | <p><u>Challenge 7:</u> Find 5 conkers. Close your eyes and ask someone to hide some of the conkers. Count how many you have left. Can you work out how many are hidden? Find them and check your answer.</p>   |
| <p><u>Challenge 8:</u> Fill up a small empty container (e.g. yoghurt pot) with Lego pieces that are the same size. How many bricks can it hold? Can you find a container that holds more? Can you find a container that holds fewer? <i>(If you do not have Lego, use a different item.)</i></p>  | <p><u>Challenge 9:</u> 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 measuring all the ingredients accurately?<br/> For Early Years children, a recipe that measures in cups would be ideal!</p>   | <p><u>Challenge 10:</u> Find a towel. Use your foot to measure it – how many heel-to-toe steps long is it? Can you find something longer? How do you know it is longer?</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!