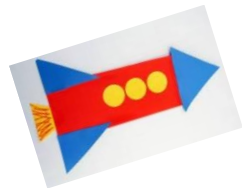


**Challenge 1:** Gather two dice (or one is enough if you cannot find two). Roll the dice and add the numbers together. Can you record what you have done by drawing the dice faces and writing a number for the total?



**Challenge 2:** Get creative and make a picture using only 2d shapes.



**Challenge 3:** Zero – what can you find zero of in your home? E.g. Zero crocodiles in your bed, zero bananas growing in your garden .



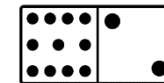
**Challenge 4:** Count every step you walk up. Then go back down the stairs and count backwards.



## Year R Spring 1 Maths Rocket Challenges



**Challenge 5:** Choose a domino and count how many spots there are. Count out the same number of raisins.



Choose a number on the domino and eat that amount of raisins. How many are left? Can you record this in pictures?



**Challenge 6:** Find one of your shoes. Use Duplo or blocks (the same size as each other) to put along the length of your shoe. How many objects long is it?



**Challenge 7:** Computer task!

[Learning to Count up to 15 with Teddy Numbers Interactive Maths Game \(topmarks.co.uk\)](https://www.topmarks.co.uk/learning-to-count-up-to-15-with-teddy-numbers-interactive-maths-game)



**Challenge 8:** Play the Bunny ears game at home – use your fingers to make bunny ears, how many ways can you make 5 by showing a different number of fingers on each hand?



**Challenge 9:** Find some 3D shapes. Which ones stack best? Which ones can't you make a good tower with?



**Challenge 10:** Subitising is when you know how many there are without counting. It helps if you can see patterns of groups of objects. Gather a set of small objects (no more than 10) and thrown them on the floor. What can you see groups of?



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!