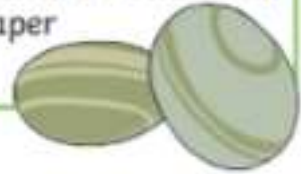


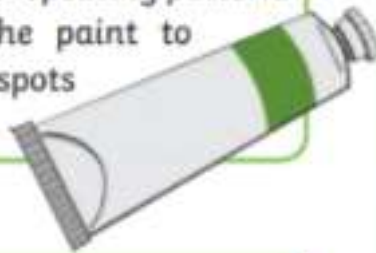
Pattern

Home Learning Challenges

Collect a range of different leaves from outside. Can you make a pattern with their shapes or colours? What other objects can you find outside that you can make a pattern with? Can you find pebbles or sticks? How about fallen flower petals or seeds? You could stick them onto paper to keep the pattern or take a photograph.



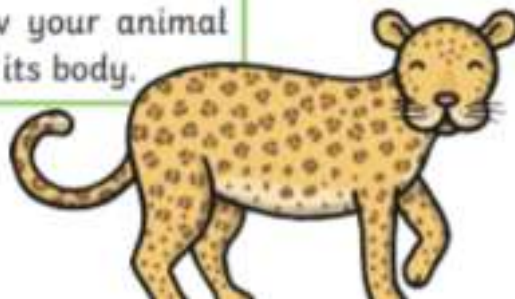
Choose 2 different colours of paint and make stripes across the paper in the 2 colours. Remember to change colour each time, to make it a repeating pattern. Can you also use the paint to make patterns with spots or circles?



Ask a friend to clap a repeating pattern for you to copy. Repeat it back to them. Then, you clap a repeating pattern and see if they can repeat it. Try this with some other body percussion, including tapping on your legs, knees, shoulders and head.



Can you draw some animal patterns? Try black and white stripes like a zebra, yellow and brown spots like a giraffe or orange and black stripes for a tiger. Make up your own new animal skin pattern. What would your animal look like? What would it be called? Draw your animal and add the pattern onto its body.



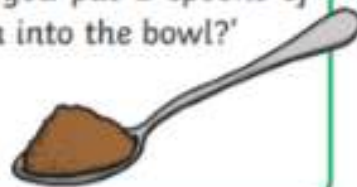
Maths: Counting Objects to 10

Home Learning Challenges



Encourage your child to help you when out shopping by counting and collecting objects to put into the basket, e.g. 'Can you get 2 apples?'

Support your child to help make simple recipes by counting amounts, e.g. 'Can you put 2 spoons of cocoa into the bowl?'



When playing with building bricks or small toys, encourage your child to count how many of each colour or size.



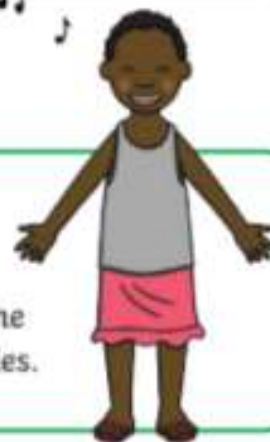
Read number-themed books and count sets of pictures, e.g. Goldilocks and the Three Bears – count the bears, bowls, and beds.



Play simple board games and encourage your child to count the spots shown on the dice and the number of spaces to move.



Sing number-themed counting rhymes and use your fingers or small props to help count the items, e.g. 10 Green Bottles.



Finds the Total Number of Items in Two Groups by Counting All of Them

Home Learning Challenges

Collect two bowls. Put three bananas in one bowl and two apples in the other. How many pieces of fruit do you have altogether?



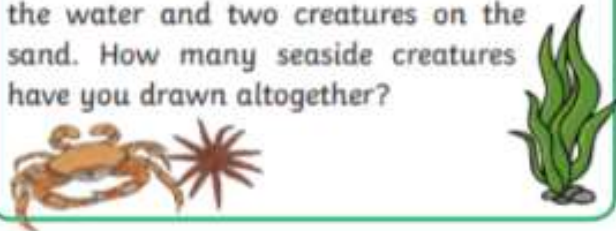
Hold up four fingers on one hand and three on the other. How many fingers are you holding up altogether?



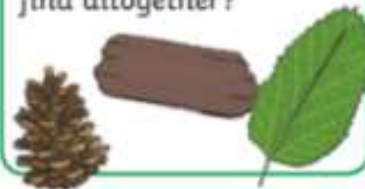
Play shops with a friend. How many items do you have in your basket? How many does your friend have? How many altogether?



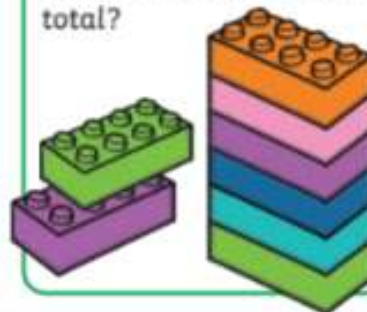
Ask a grown-up to help you to draw a picture of the seaside. Draw three sea creatures in the water and two creatures on the sand. How many seaside creatures have you drawn altogether?



Go for a walk in the garden or park with someone from your family and take two containers with you. Collect five natural objects in your container and ask your family member to collect five different objects. How many objects did you find altogether?



Build a tower using six blocks, now build another using four. Can you count how many blocks you have used in total?



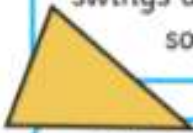
Maths: Naming 2D shapes

Home Learning Challenge

Play 'Guess the Shape' with a friend or family member. Describe a shape, remembering to say how many sides and corners it has and to be specific, e.g. "It has 4 sides. It has 4 corners. It has 4 equal sides." See who can guess the most shapes correctly.



When you go to the shops or to the park, see if you can see any 2D shapes around you. There might be some hiding in the packaging in the supermarket, or on the swings and roundabout. You could draw some of the shapes you see.



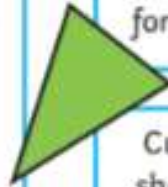
What places, animals or objects can you draw using only 2D shapes? Can you make a train using rectangles, circles and squares? Can you make a rocket using rectangles, triangles and circles? What else can you make?



When you are having a meal at the table, count how many different 2D shapes you can find. What shapes are on your plate, glass and tablemat? You could ask your family to help you find as many as you can.



Go into your garden or a park near your house and collect some sticks, pebbles and leaves. See what 2D shapes you can make using them. Which shapes are easiest to make using the sticks? Which objects are best for making a circle?



Cut some different shapes out of paper and attach some sticky tack to the back of the shapes. See how many different things you can build with the shapes. You can move the shapes around to make lots of different pictures if you use sticky tack.



Maths: Recognising Numbers 0 to 10

Home Learning Challenges

Go on a number hunt! What numbers can you see around your house or on your way to school? You could look at door numbers, number plates, on food packets, clocks or in magazines and books. You could take photos or draw pictures of the numbers you find. Can you find the numerals 0, 1, 2, 3, 4, 5, 6, 7, 8, 9 and 10?



Look at the numbers on this page. What numbers can you see? Can you find the number 2? What about the numbers 4, 6, 8 and 10?



In a shop, look at some birthday cards. What numbers can you see? Can you find cards for the ages 1, 3, 5, 7 and 9? How old are you?



Draw 11 simple shapes on a piece of paper. Number the shapes from 0 to 10. Place a toy onto a numbered shape and ask a friend or grown-up to tell you the number. Were they correct? Can they place the toy on a numbered shape for you to identify?

Ask a grown-up to write the numbers 0 to 10 on pieces of paper and hide them around a room or garden. Go on a hunt for all the numbers! Each time you find a number, tell a grown-up what number you have found. You could try using a timer too – can you find and name all the numbers before the timer runs out?



In a shallow tray or plate of flour or sand, use your finger to write a numeral from 0 to 10. Challenge a friend or grown-up to identify the number. Then ask them to write a number for you to identify.

