



Have fun with maths



Bottle Bowling – Partly fill recycled bottles with water or rice. Attach written numerals to bottle. Stand bottles up and roll a ball. How many have been knocked down? What numerals have been knocked down? How many still standing?

Aeroplanes – Make paper aeroplanes and throw. How far did it fly? Who's travelled the furthest? Measure the distance.

A Great Race – Collect an assortment of toy car/vehicles for a race. Make predictions about which one will roll the fastest or furthest. Line them up at the top of an incline and release. Discuss the results and try again.

Tread Art – Use small wheeled toys to make tyre tracks. Place washable paint in a shallow tray or plate. Drive the car through the paint then on the paper. Try different colours to create different patterns.

Walk around – When walking outside look out for different wheels. Look at the different sizes. Where do you find wheels?

Play dough caterpillar - Roll dough into small pieces. On pieces of paper write individual numerals 1,2,3,4. Turn paper over so you can't see them. Make a larger ball of dough for each person for the head. Take it in turns to pick a piece of paper up. What is the number? Collect the corresponding smaller pieces of dough and connect to head. When all pieces have been used compare caterpillars e.g. Longest, shortest. Count how many pieces of dough has been used to create your caterpillar

I spy with my little eye something – Big, little, long, short, round, square.

Sing Number rhymes. Ten Little Fingers -

*Ten little fingers, ten little toes,
Two little ears and one little nose
Two little eyes that shine so bright
And one little mouth to kiss mother goodnight.*

*Ten little fingers, ten little toes,
Two little ears and one little nose
Two little eyes that shine so bright
And one little mouth to kiss mother goodnight.*

Five little bears (counting up)

One little bear wondering what to do,
Along came another, then there were **two**.
Two little bears climbing up a tree,
Along came another, then there were **three**.
Three little bears ate an apple core,
Along came another, then there were **four**.
Four little honey bears found honey in a hive,
Along came another, then there were **five**.

Five little bears heard a loud roar
One ran away then there were four!
Four little bears climbing up a tree
One slid down then there were three!
Three little bears deciding what to do
One fell asleep then there were two!
Two little bears having lots of fun
One went home then there was one!
One little bear feeling all alone
Ran to his mother then there were none!

One Two Buckle My Shoe - Lyrics

*One, two
Buckle my shoe,
Three, four
Open on the door,
Five, six
Pick up sticks,
Seven, eight
Lay them straight,
Nine, ten
A good fat hen,
Eleven, twelve
Dig and delve,
Thirteen, fourteen
Maids a-courting,
Fifteen, sixteen
Maids in the kitchen,
Seventeen, eighteen
Maids a-waiting,
Nineteen, twenty
My plate's empty.*

Exploration and Investigation

Potion making – Cut up petals and herbs, mix into water to create a potion. Include flour, shampoo, food colouring, and baby oil. What does your potion look like? What will your magic potion be for?

Super-hero power – What is yours?

Talk about different superheroes and their powers. Make your own super power laser using a variety of recycled materials, e.g. boxes, containers, paper, card, material, tape and glue.

Sensory bottles – are a fun way for young children to explore and investigate. Use small recycled water/drink bottles. Partly fill using different materials such as oil, water, bubble bath, sequins, glitter, twigs. Shake and see what happens. Use dried materials such as rice or pasta. Shake and listen to the different sounds.

Feely boxes – Use to explore a range of materials and textures using their senses. Collect boxes and cut a hole in the top or side of box. Collect some items and place inside box. Let children put their hands through the hole to feel the item and guess what it is. Use household item as well as natural materials such as conkers, cones, shells and pebbles.

Float or sink?

Children learn about buoyancy and how an object's weight can change when it is in water.

A bucket or bowl of water. A variety of items, some of which may sink and which will float. Discuss the items and predict what may float or sink. Use different fruit and vegetables as well.