

Mathematical Development Activities

Collect 10 toilet rolls, number these 1-10 with a marker or a pen that can be seen clearly.

- 1st activity- Can your child recognise the numbers on the toilet rolls?
- 2nd activity - Can the match a quantity amount to the numeral. E.g. can they find 5 socks, 3 shoes.
- 3rd activity - line all these 10 toilet rolls up as if they are skittles, can your child roll a ball and knock them all down. Or can they tell you what numbers they have knocked down and which ones are left?
- 4th activity - Place all the toilet rolls with numbers facing up and ask your child if they can put them in order.
- 5th activity - Colour, paint or cover your toilet rolls in different coloured paper. Have a selection of cars ready that are the same colours as your toilet rolls. Can your child match the red car to the red toilet roll?



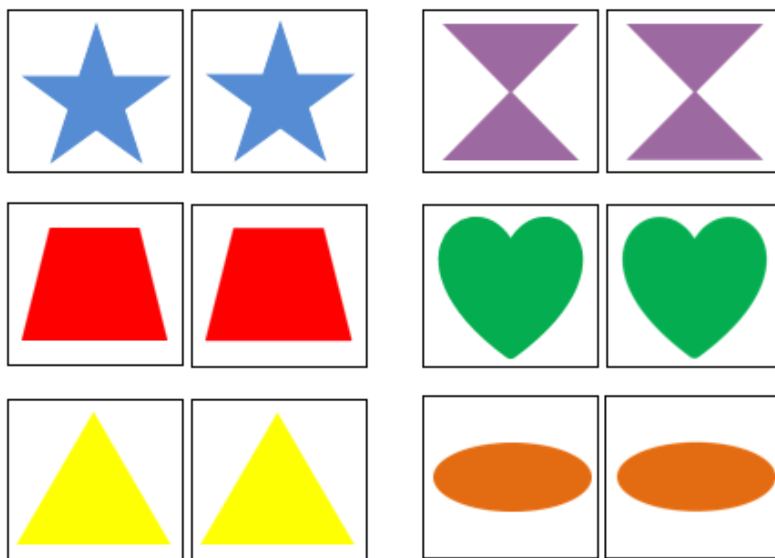
Shape Activities



Cut a selection of shapes out using different coloured paper, or from the back of cereal boxes or any boxes you may have around the house. Stick these all over the floor and see if your child can firstly recognise the shapes, secondly can they name the shapes? Then see if they can jump on a certain shape. (If this is too easy can they hop onto a certain shape, or you could describe a shape and see if they can recognise it)

(This will also help with your child's physical development helping them to stand on one foot and jumping)

Matching Shapes



Has your child got a variety of building blocks or even just different shaped toys?

Draw around a selection of them on big paper leaving the objects you have used near the paper so they are in eyesight of your child.

- Can your child figure out which toy goes where?
- Can they name the shapes?
- Can they have a go at drawing around one of the objects
- Could they look around the house and find objects that are a particular shape?



Do you have some tape laying around your house, why not use it for this fun shape activity?

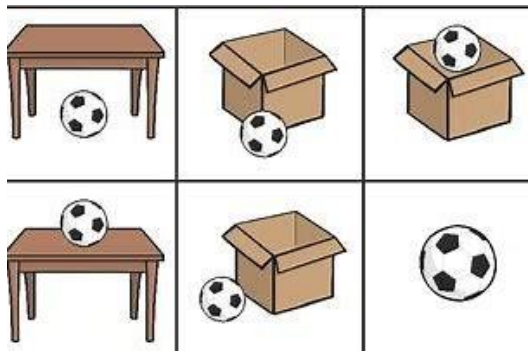
Stick your tape to the floor into a certain shape,

- Can your child look around the house for objects that are a certain shape and place them into the correct shape?
- Use numbers in this activity such as, can you find me 3 circular objects or 2 triangles.

To make it easier for younger children, have a selection of different shaped objects near this activity. This will also stop them from getting distracted whilst walking around looking for them.

If you do not have any tape, why not try this activity outside using chalk to draw the shapes.

Positional Language Activity



This is such a fun and easy activity to practice at home. All you need is a box, a ball and a table.

- Can your child name the objects you are using?
- First you demonstrate to your child what you would like them to do, to make sure they understand.
- Can they place the ball on top of the table, under the table, inside the box, in front of the box and behind the box?
- Why not make it into a fun game, where the ball is hiding and can your child tell you where the ball is hiding?

Halves and Quarters

Making fractions fun!

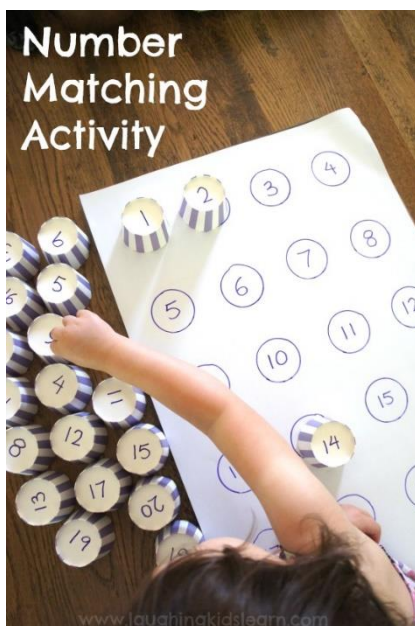
During meal times at home use any chance you can to encourage your child to help you.

- Demonstrate to your child how you cut the food into half, let them have a go?
- If they can do that, can they cut into quarters? Again you should demonstrate this in a safe way.
- Can your child count the amount of pieces the food has been cut into?
- Talk about when the sandwich is not cut, it is one piece and if you cut it, how many pieces have they made?



Matching Activities

All you need for this simple number matching activity is either some paper cups, cake cases or bottle lids and some paper.



Simply draw around the paper cups or bottle lids for the amount of numbers you want to use.

Then write a number in each of the circles and the cups/lids.

Ask your child if they recognise any numbers?

Can they represent an amount of numbers using their fingers?

Can they count all their fingers? (Add toes if this is too easy)

Are they able to match all the numbers on the cups/lids to the same number on the paper?



Another lovely simple matching activity -

If your child loves cars, this activity will keep them entertained.



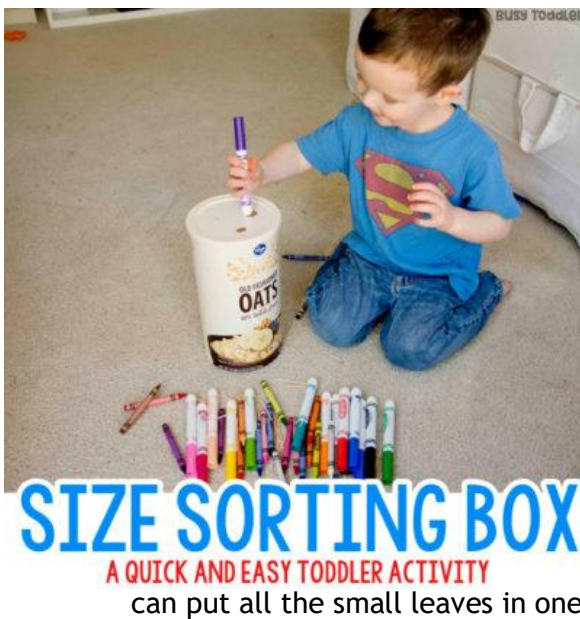
Either use a cardboard box or a large piece of paper.

Separate the box/paper into 10 sections and number them.

Have 10 cars ready with numbers stuck to them also.

Can your child park each car in the correct car park?

Categorising Objects



You can use so many objects to teach your child about categorising them. You can categorise by shape, colour, size and so much more.

Activity 1 - Use a cardboard box (cereal box) use some different sized pens and crayons to poke holes in the top and ask your child if they can put the right sized pen/crayon into the correct hole.

Activity 2- While you are out and about collect some natural objects such as leaves, conkers, flowers, stones and ask your child if they can put all the green leaves together or all the conkers together. Also add in sizes into this activity such as asking your child if they can put all the small leaves in one pile, or all the big stones in one pile.

Activity 3 - Collect some of your child's toys from around the house such as cars, building blocks. Ask your child if they can put them in size order starting with the small ones first

and getting bigger each time. If you have more than one child maybe use shoes for this activity. Ask them which shoe is bigger/smaller, which one is longer. Get your child to measure them together to compare heights/lengths.

