



Mathematics

September 2024

Mathematics

Early learning Goal (End of Year Expectation)

Number

Have a deep understanding of numbers to 10

Subitise (recognise without counting)

Recall number bonds up to five and some to 10 including double facts.

Numerical Patterns

Verbally count beyond 20

Compare quantities- Greater than, less than or the same

Represent patterns in doubles such as odd, even, double facts and how quantities can be shared equally



Numbers can provide a lot of entertainment for small children.

There are some main skills that children will be developing in the EYFS to become confident mathematicians.

Number skills

- Know the sounds of numbers (oral counting)
- Touch each item whilst saying the number name (1- 2- 1 correspondence)
- Know that the last number they count is the total.
- Recognise numbers in a written form.
- Order numbers.
- Subitise amounts to five (recognise without counting)

Counting

Oral Counting

Children learn how to orally count through number rhymes.

Some good number rhymes that can help are...

- Five currant buns in the baker's shop
- 1, 2, 3, 4, 5, Once I caught a fish alive
- Five fat sausages frying in a pan
- 5 or 10 green bottles
- Number Rocks counting to 20



Oral Counting everyday opportunities

Counting 1 2 when putting on shoes or clothes

Counting down when finishing an activities or tidying up

Counting stairs

Counting

One to One Correspondence and knowing the last number counted is the total.

As you count objects together touch each one. This helps children to understand they are counting one thing at a time.

You can make it easier for them by encouraging them to put the items in a line. That way they do not count the same object more than once.

You can also make it more challenging by getting them to count irregular arrangement.

Counting everyday opportunities

- Counting objects on a walk- Conkers leaves, sticks
- Setting the table- counting out the correct amount of cutlery
- Counting any objects such as toys and biscuits.
- Talking about numbers wherever possible. (there are 3 cats on the wall



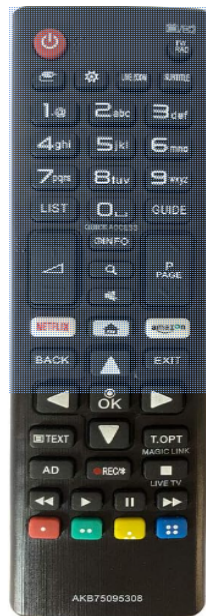
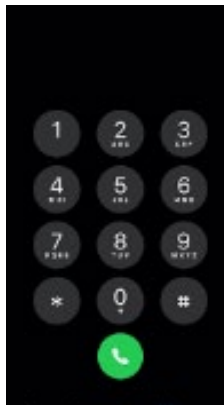
Number

Recognising Numbers

Through rhymes
Through matching
Number cards



Number recognition everyday opportunities
In everyday environments (buses, doors, phones, prices, birthday cards)



Number

Subitising

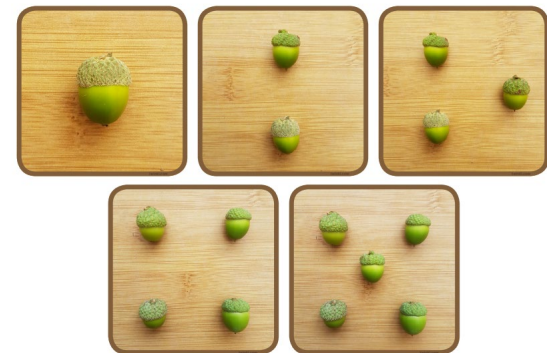
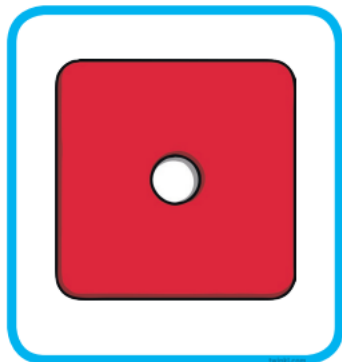
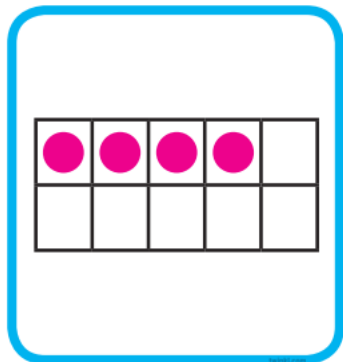
We encourage children to look and say amounts without counting. Subitising helps them to recognise that bigger numbers are made up of smaller numbers.

Subitising everyday opportunities

Board/dice games.

Say how many fingers.

Looking at any objects and saying without counting



Numerical Patterns



Copy this pattern



Begin with Patterns



Copy this pattern



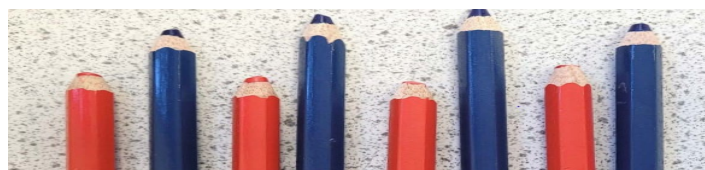
In the EYFS we learn to identify patterns in colours and shapes. This skill later assists them in identifying patterns in numbers.

Children will first learn to recognise and continue patterns.

Finally, they will be creating their own two and three step patterns.

Pattern everyday opportunities

Creating patterns with everyday objects



Numerical Patterns

Ordering

Ordering helps children to build an awareness of the number system. We will encourage them to order numerals and ask them what number is one more or what number is one less?

Ordering numbers what you can do at home

Look at patterns in the numbers on street doors

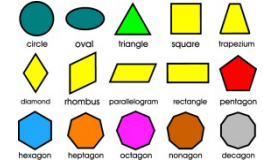
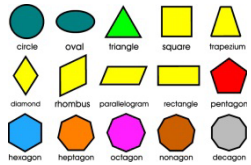
Play one more or one less bingo#

Count down and forwards

Order numeral cards and hide one and see if they can spot the missing number



Shapes



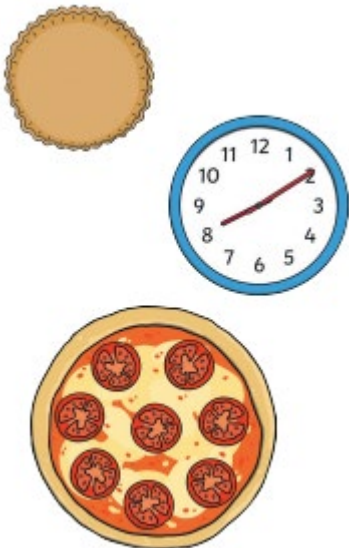
Shapes

Children will learn to recognise and describe 2D shapes then 3D shapes.

Everyday opportunities

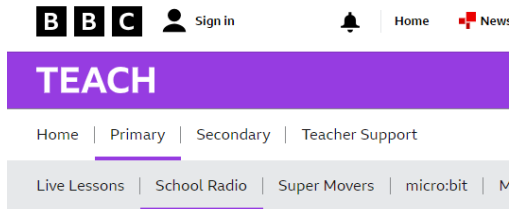
You can look for shapes in the environment with your child and talk about the properties such as sides, corners and faces.

You will be surprised how many shapes appear in our everyday lives.



Useful Websites/links to use at home

<https://www.bbc.co.uk/teach/school-radio/articles/zm4nmfr>

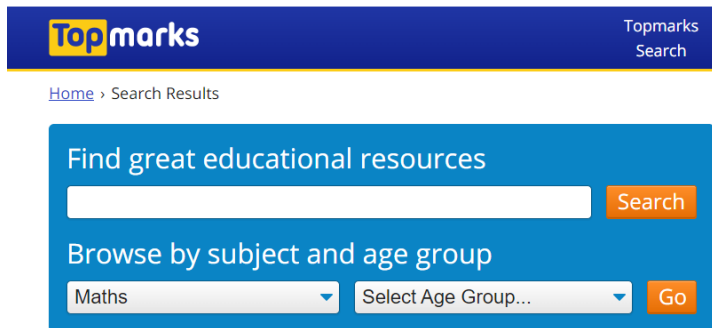


The screenshot shows the top navigation bar of the BBC Teach website. It includes the BBC logo, a 'Sign in' button, a notification bell, and links for 'Home' and 'New'. Below this is a purple 'TEACH' banner. Underneath the banner are navigation links for 'Home', 'Primary', 'Secondary', and 'Teacher Support'. A secondary row of links includes 'Live Lessons', 'School Radio', 'Super Movers', 'micro:bit', and 'M'.

Five currant buns

BBC Teach > School Radio > Reception / EYFS > Nursery Rhymes a
> [A to Z](#)

<https://www.topmarks.co.uk/Search.aspx?Subject=16>



The screenshot shows the search interface of the Topmarks website. It features the 'Topmarks Search' logo in the top right corner. Below the logo is a navigation link for 'Home > Search Results'. The main search area has a blue background and contains the text 'Find great educational resources'. There is a search input field with a 'Search' button. Below this, it says 'Browse by subject and age group'. There are two dropdown menus: one for 'Maths' and another for 'Select Age Group...', both with 'Go' buttons.

<https://www.bbc.co.uk/iplayer/episodes/b08bzfhn/numberblock>

