



Developing Early Number Sense Workshop

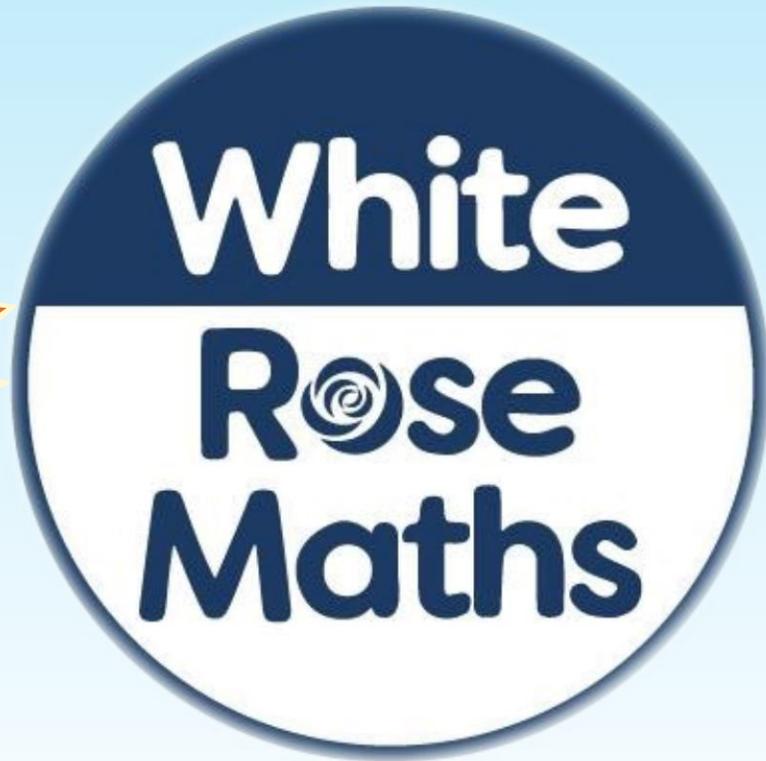
November 2023



Aims of the Session

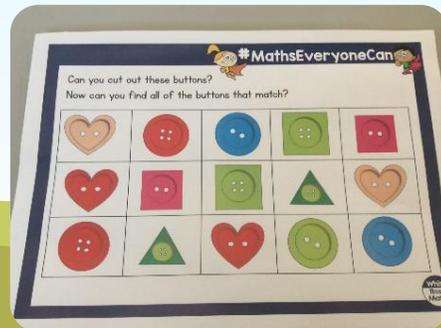
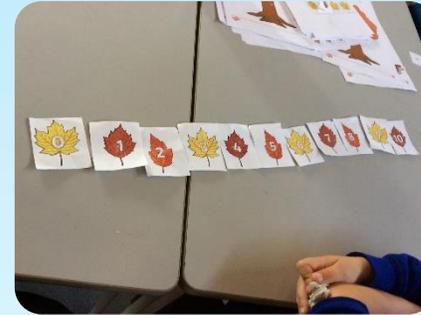
- What does Maths look like in the Early Years?
- Maths in the environment
- Role of the adult
- What will my child learn in the Early Years?
- Ten Town
- Supporting Maths at home

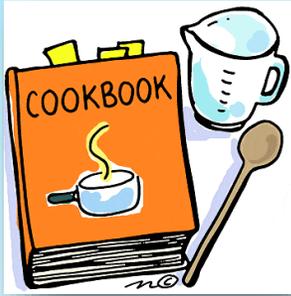
What does Maths look like in EYFS?



- Support children in EYFS to become fluent in the fundamentals of mathematics, to be able to reason and to solve problems.
- Ensure that Maths is relevant and applicable to the needs of our children.

What does Maths look like in EYFS?





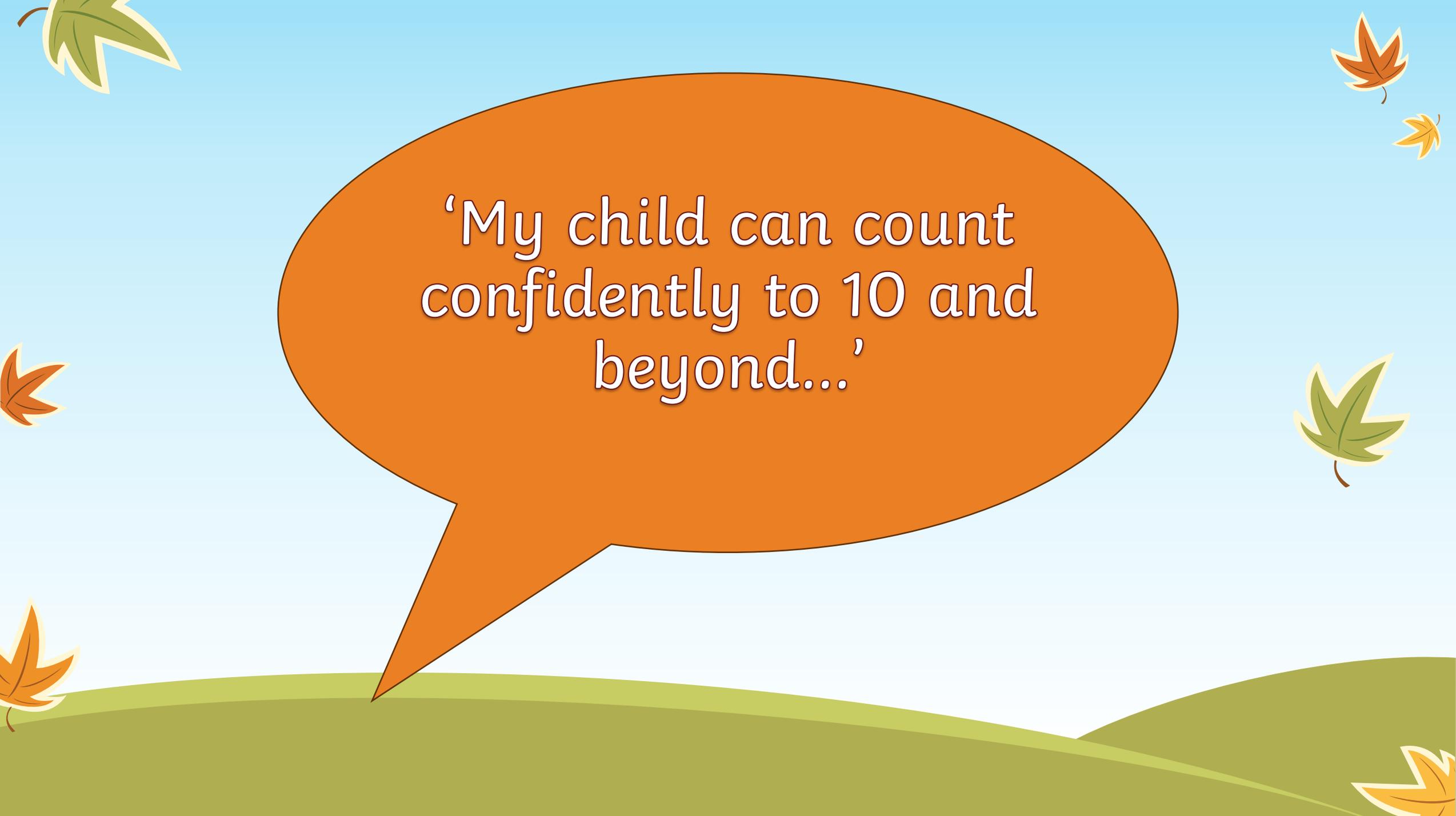
Maths is EVERYWHERE!



Role of the Adult

- Mathematical language needs to be modelled to the children by adults.
- It is so much more effective if it's during authentic play experiences.
- This can be replicated at home when doing everyday activities.
- For example: more, less, big, small, wide, thin and positional language





'My child can count
confidently to 10 and
beyond...'

Cardinality and Counting

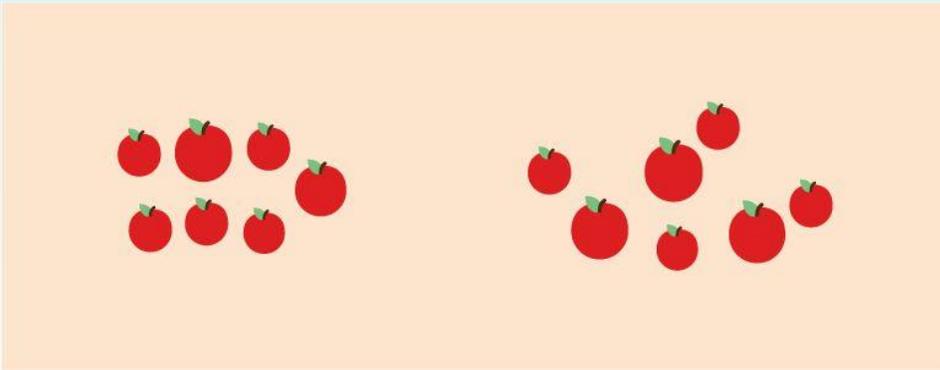
The quantity, or 'howmanyness' of things it represents.

When children understand the cardinality of numbers, they know what the numbers mean in terms of knowing how many things they refer to.

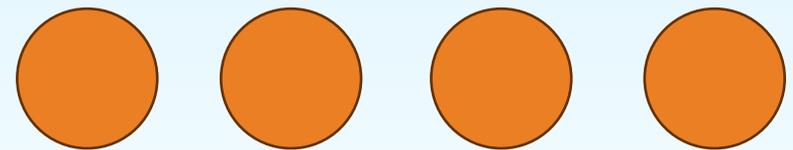


Tagging each object with a number
e.g. How many cars have we got in the
garage?

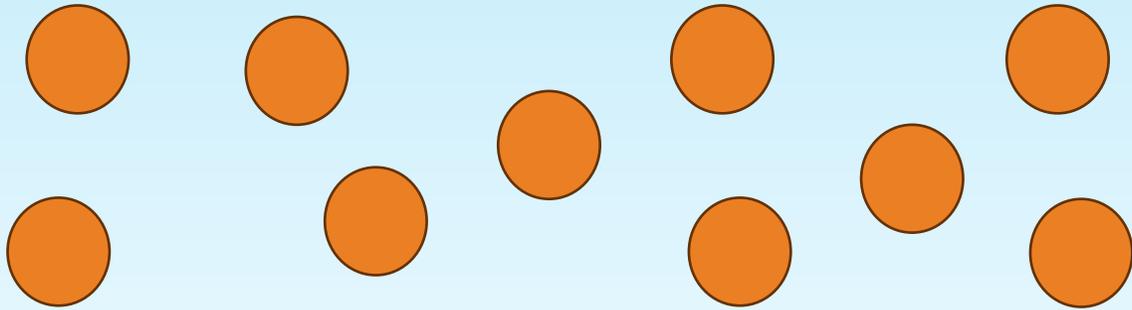
Counting things different sizes
Counting things that cannot be moved.



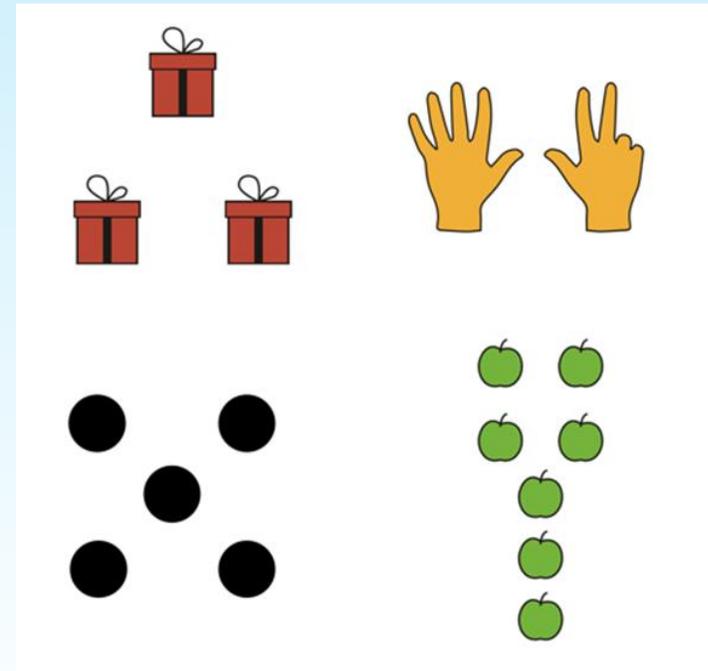
Number does not change if
things are rearranged.



Count from a larger group



Subitising
Recognising how many in a group without having to count one by one



Number Formation



Stories

Activities

Songs

Number Formation



0

1

2

3

4

5

6

7

8

9

Comparison

Knowing which numbers are worth more or less than each other

More/ less than
Which group has
more?

Comparing
numbers and
reasoning

Identifying groups
with the same
number of things
'equal'

One more/ one less

Composition

Understanding that one number can be made up from two or more smaller numbers

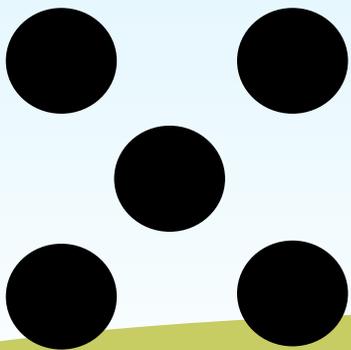
Identify smaller numbers within a number

Numbers can be partitioned into different pairs of numbers

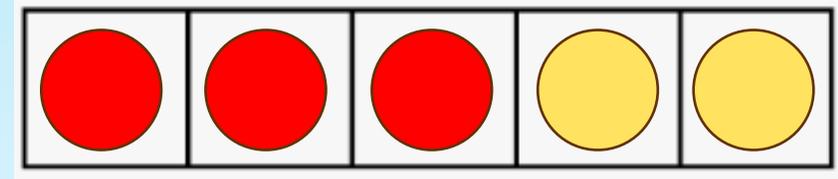
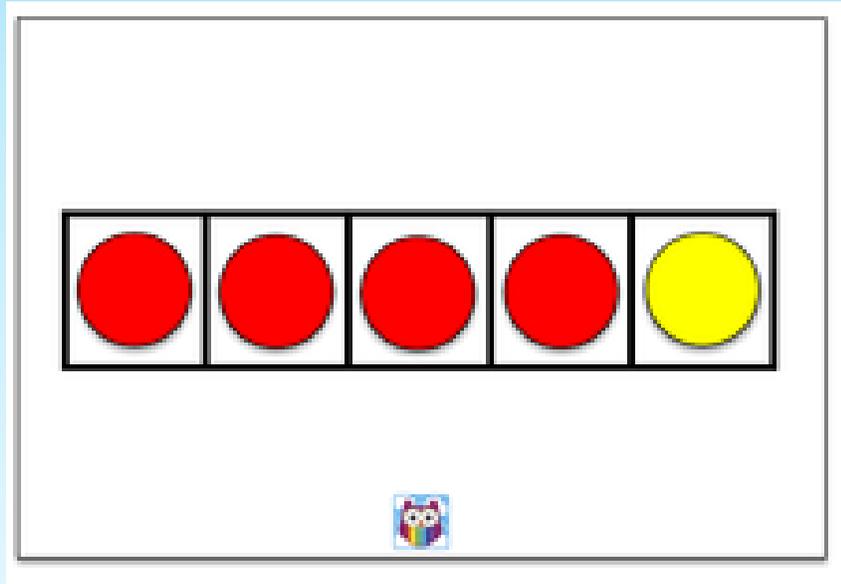
+ - single digit numbers

Inverse operations

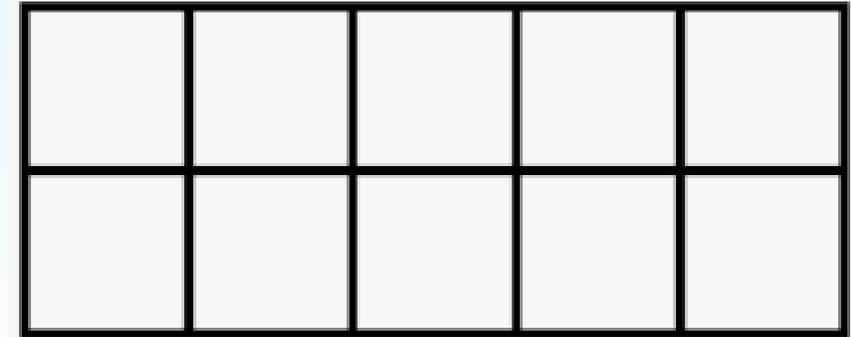
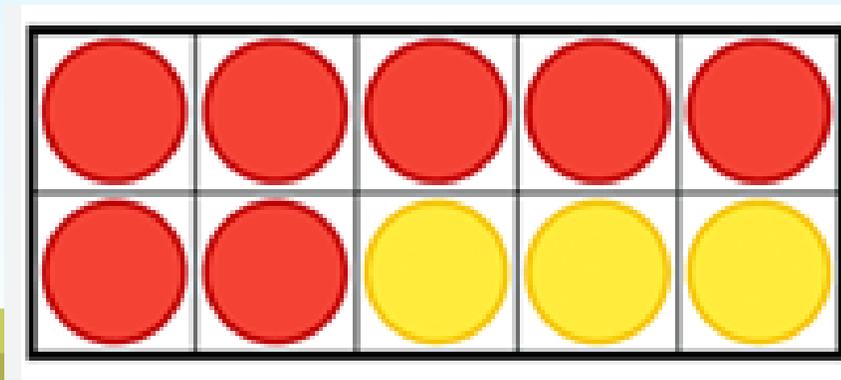
Number bonds



Fives frames

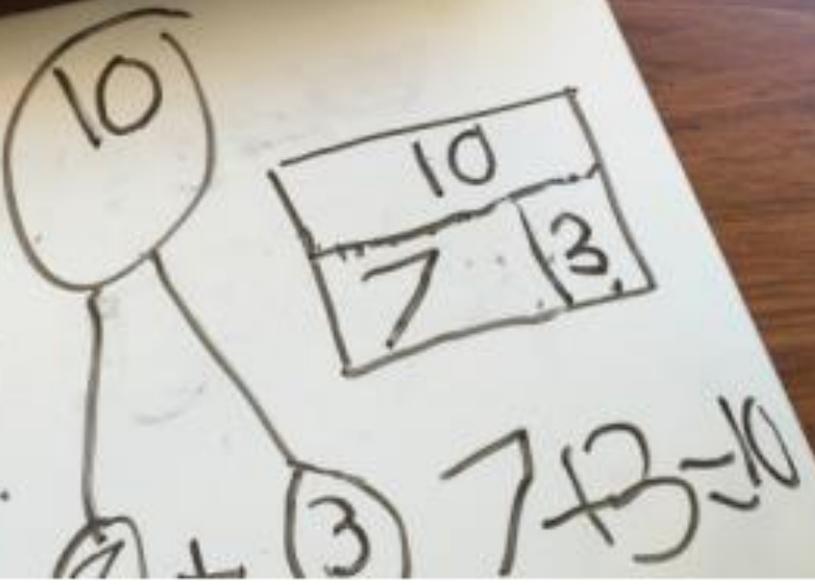


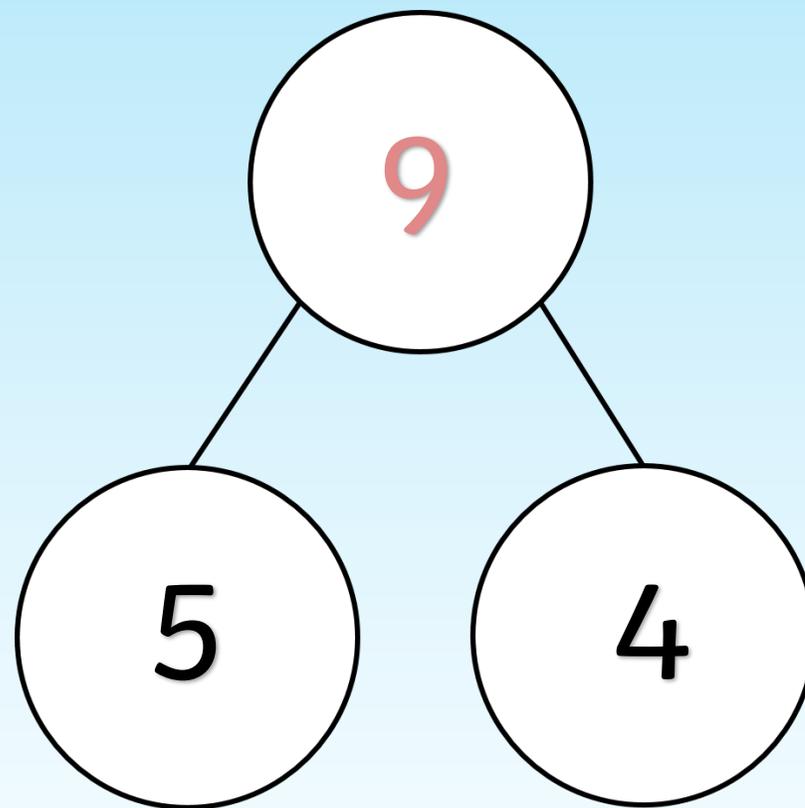
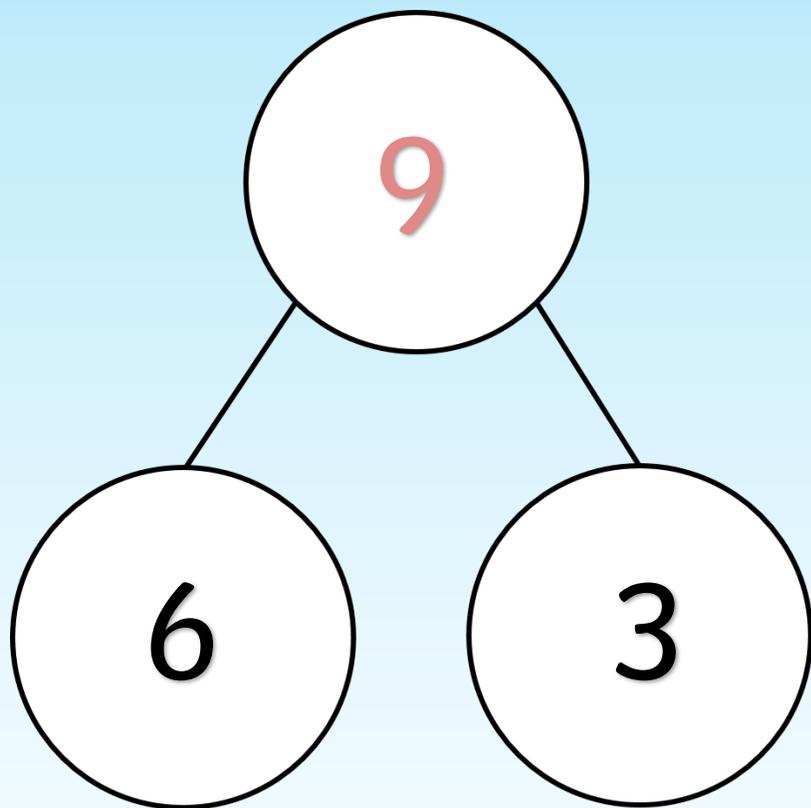
Tens frames





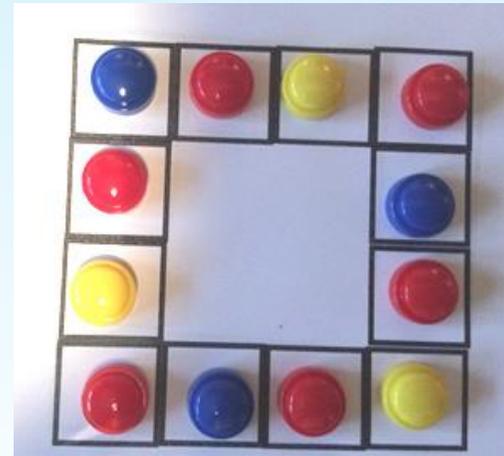
**Egg Carton
Manipulatives**





Pattern

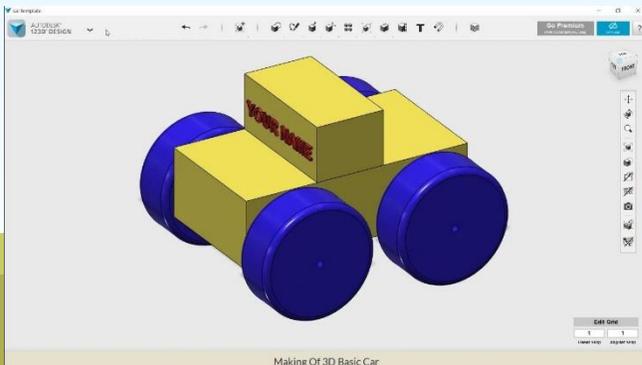
Looking for and finding patterns helps children notice and understand mathematical relationships.



Shape and Space

Understanding what happens when shapes move, or combine with other shapes, helps develop wider mathematical thinking.

Spatial skills are important for understanding other areas of Maths and children need structured experiences to ensure they develop these.



Measures

Comparing different aspects such as length, weight and volume, before using units to compare later.

Length

Weight

Compare – heavier/ lighter, longer/ shorter

Begin to estimate and predict

Relationships between size and number of units

Sequence events (after, next before)



Supporting Maths at Home

Remember... Maths should be **FUN!**

Snakes and ladders

UNO

Higher/ lower

Board games

Card games – snap, pairs

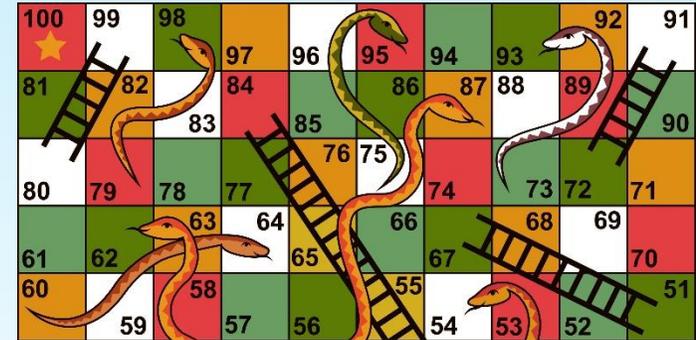
Number hunts

Hide and seek (count to 10...)

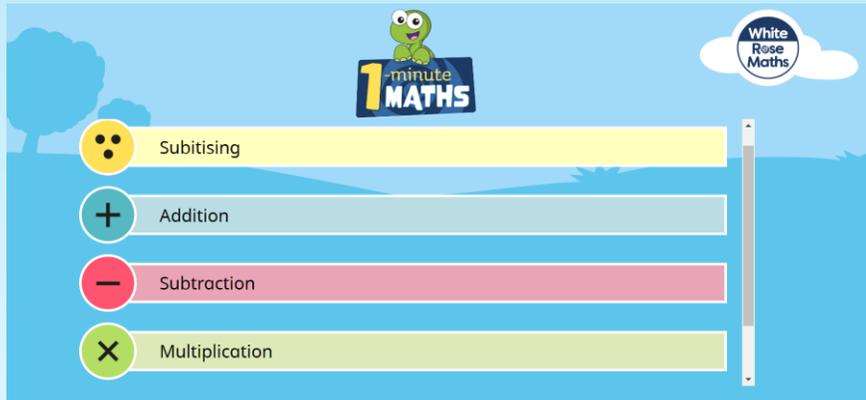
Bingo

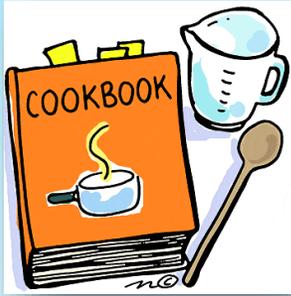
Counting songs

Guess how many fingers behind my back – how have we made it?



Supporting Maths at Home





Maths is EVERYWHERE!



The slide features a light blue background with several stylized leaves scattered around. In the top-left corner, there is a green leaf. In the top-right corner, there are two orange-brown leaves. In the middle-left and middle-right areas, there are more orange-brown and green leaves. At the bottom, there are rolling green hills, with an orange-brown leaf in the bottom-left corner and a green leaf in the bottom-right corner.

Any questions?

Thank you for coming.
We hope you found it useful.