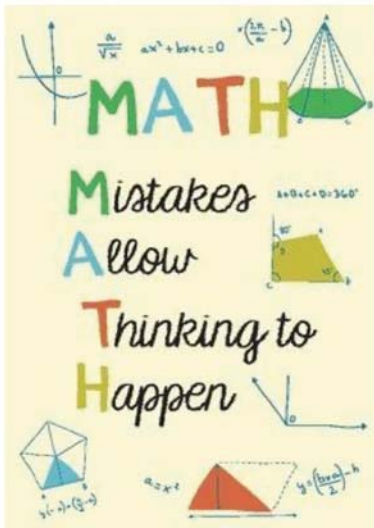


Maths Workshop for parents

March 2025



Maths Workshop for parents

- Play is essential in teaching and consolidating in maths.
- Many of the maths objectives within Development Matters can only be developed during free play.
- Play enables children to be independent and remain curious.

What we do at St. Mark's...

- Develop a 'language-rich' environment (not necessarily overloading with words but images to deepen children's understanding and experiences)
- Lots of opportunities for talking with children and children talking to each other using mathematical language.
- Learning through play and exploration.



What do the children need to do by the end of Reception?

ELG: Number

Children at the expected level of development will:

Have a deep understanding of number to 10, including the composition of each number;

Subitise (recognise quantities without counting) up to 5;

Automatically recall (without reference to rhymes, counting or other aids) number bonds up to 5 (including subtraction facts) and some number bonds to 10, including double facts.

ELG: Numerical Patterns

Children at the expected level of development will:

Verbally count beyond 20, recognising the pattern of the counting system;

Compare quantities up to 10 in different contexts, recognising when one quantity is greater than, less than or the same as the other quantity;

Explore and represent patterns within numbers up to 10, including evens and odds, double facts and how quantities can be distributed equally.

Maths in Reception

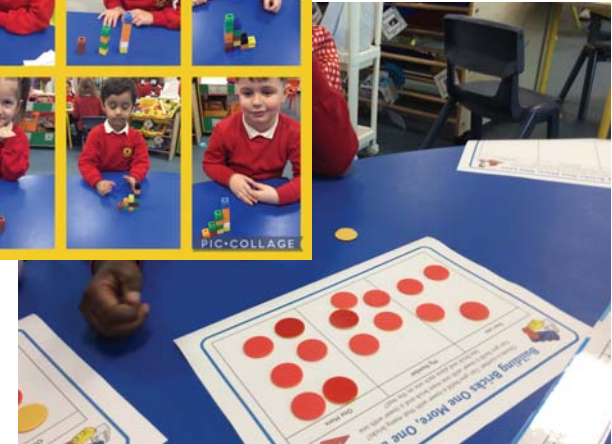
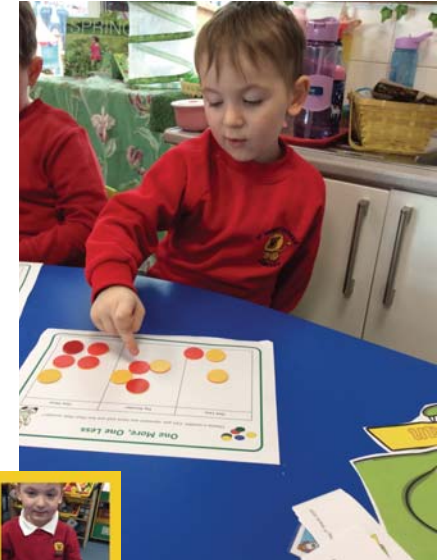
- Daily Number Sense
- Daily number skills session where children learn through play and exploration
- Adult led learning focusing on the next steps for children based on assessments
- Master the curriculum sessions once weekly
- Numbots

We make it fun! Where possible Maths is linked to real life problems, stories and children's interests.

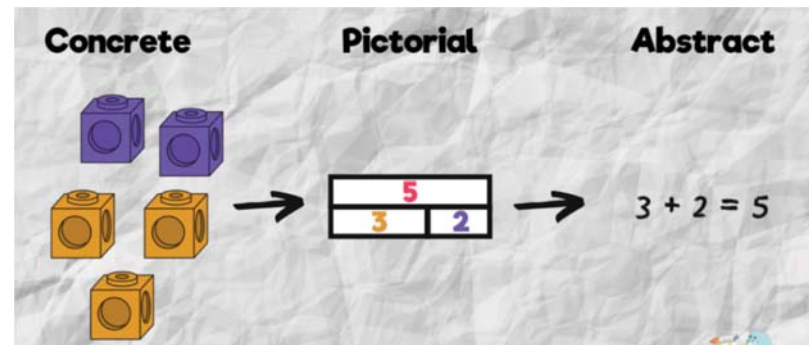
Using objects, children need to be secure in using practical apparatus before moving onto more abstract concepts.

Through the day: lunch time tallies, counting how many children are in school, calendar, clapping syllables, singing number songs.

Through short focused sessions whole class; in small group and 1:1.



Maths in Reception



For children to have a true understanding of a Mathematical concept, there are three phases they need to master:

Active/ Concrete; Pictorial and Abstract.

Children develop their Mathematical understanding in the following ways:

- ❖ **Exploring** - playing with numbers, exploring weight, capacity, measures, counters, dice.
- ❖ **Reasoning**- answering why and how, talking about what they found.
- ❖ **Problem - solving**- How can I make 5? A shape with 3 corners?
- ❖ **Fluency** - quick mental recall! Coming to an answer quickly and without in depth thinking. This is important as it will form the foundations of a child's Mathematical knowledge.

How can you help at home?

Sing number songs and nursery rhymes

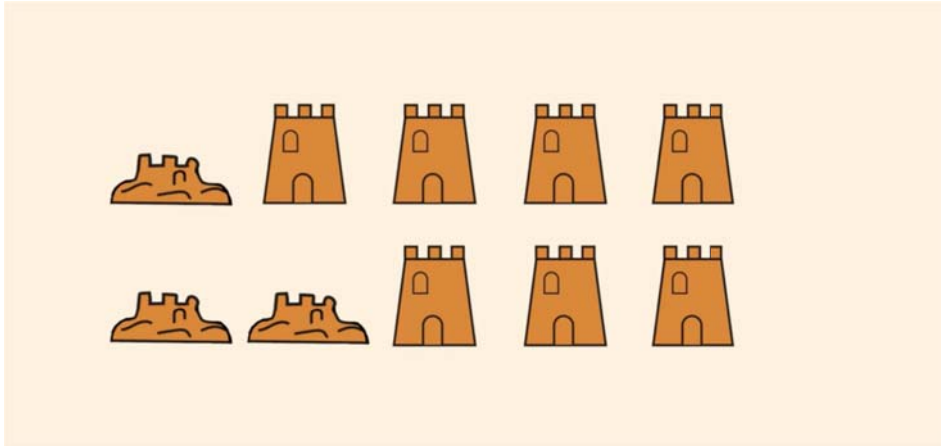
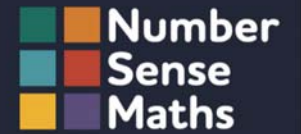
Play board games such as Orchard Toys

Engage in imaginative play with your child

Go on a number or shape hunt at home



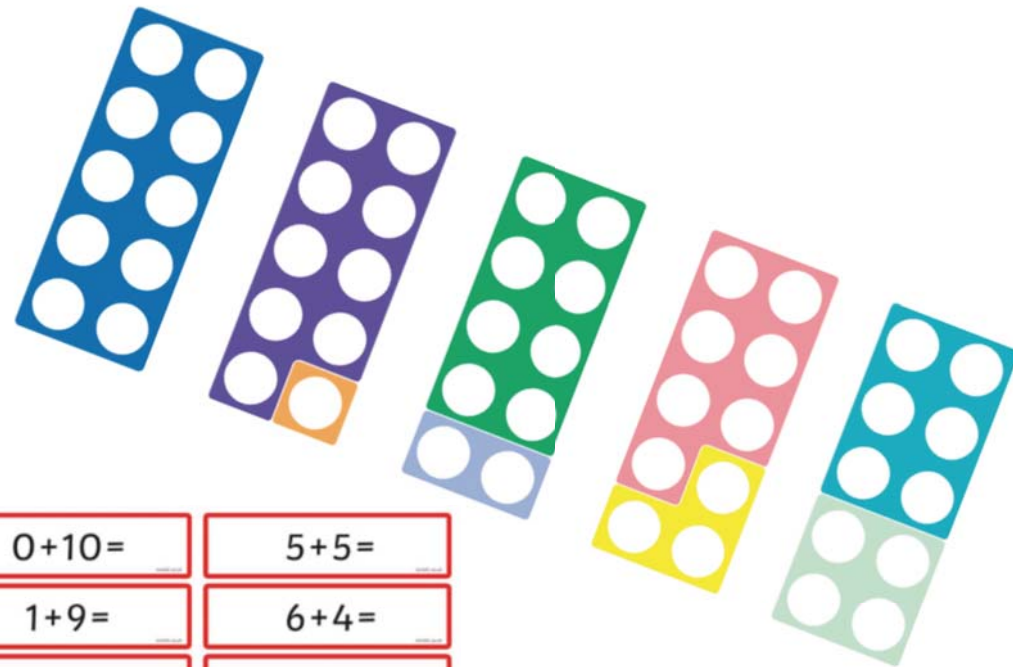
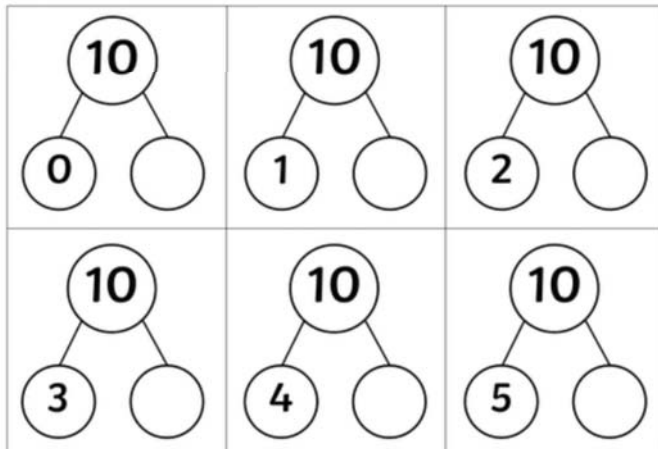
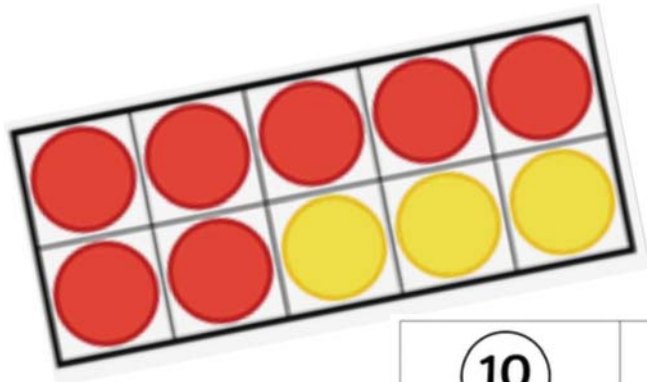
Let's do a Number Sense lesson...



Tell me a story about 10

Now it is over to you..

Tell me a story about 10 in different ways



$0+10=$	$5+5=$
$1+9=$	$6+4=$
$2+8=$	$7+3=$
$3+7=$	$8+2=$

Any questions?

