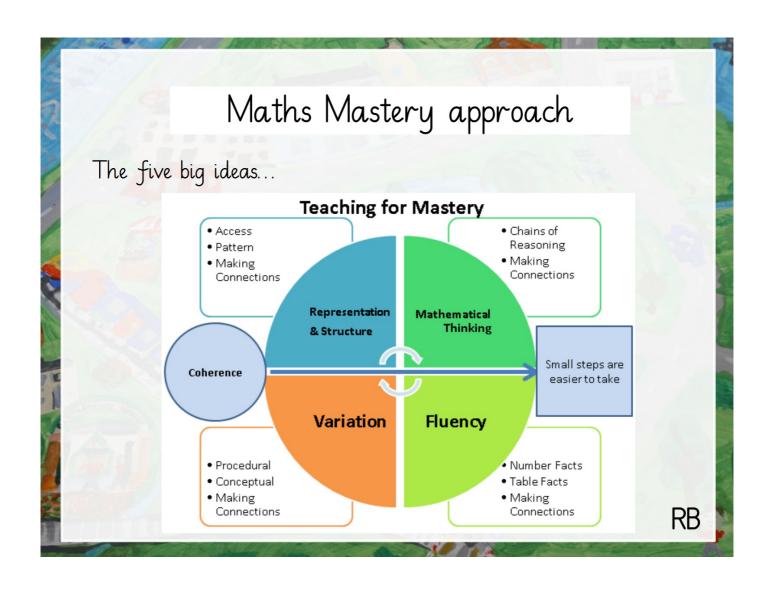


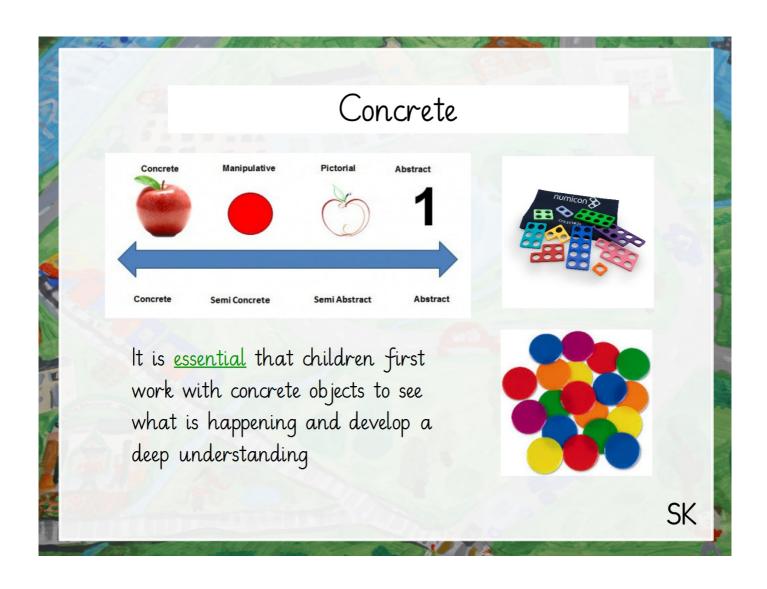
Maths is everywhere!

- We have lots of opportunities for maths in free-flow learning too. Some of these are available to the children throughout the year, such as constructing with the wooden blocks and learning about volume and capacity through water play.
- Some activities are changed weekly to support our maths learning that week.

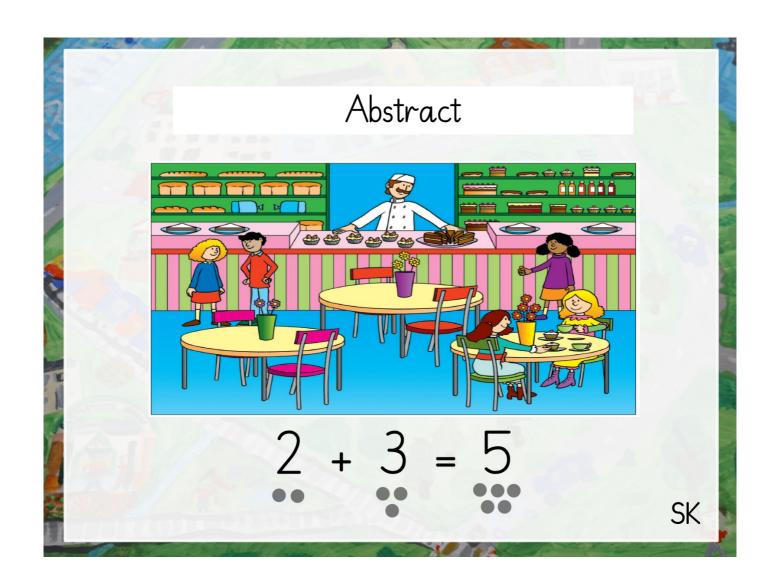


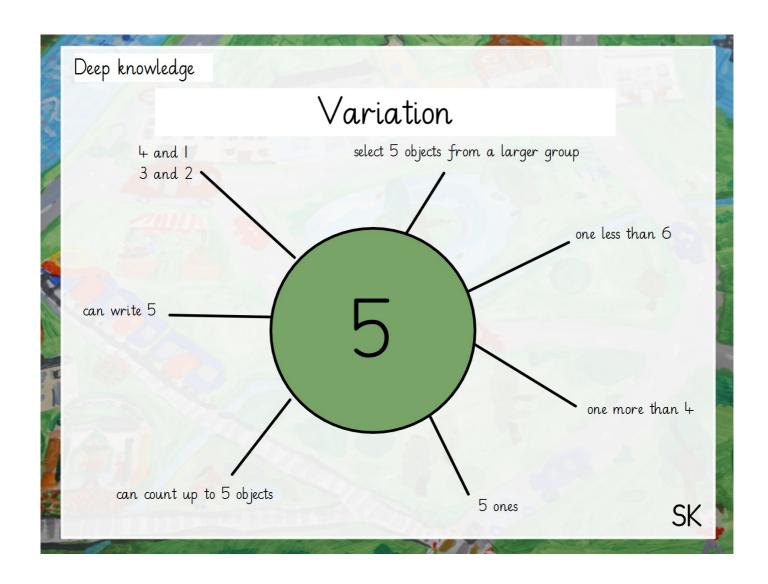
What is adult-led learning in Reception?

- 4 whole class maths lesson every week: 20 min
- One skill per week, for example counting up to 10.
- Progression of the skills throughout the week - coherence









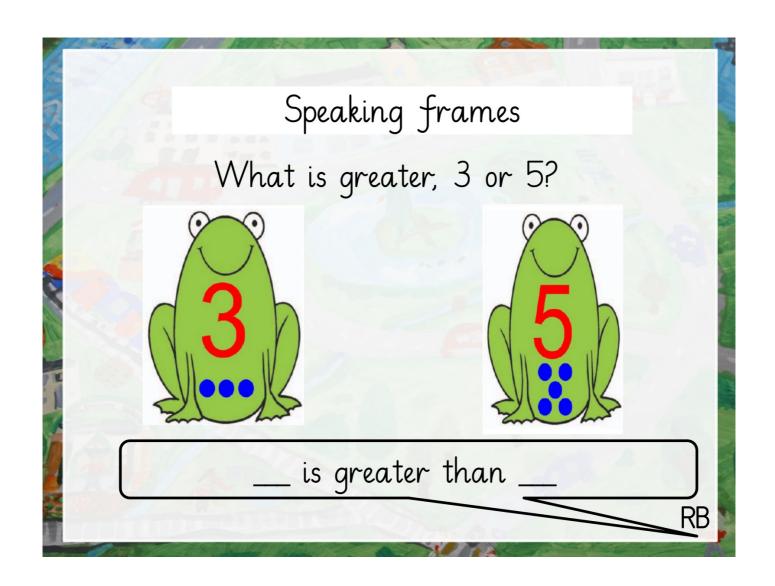
Fluency

- Quick and efficient recall of facts and procedures is important in order for learners' to keep track of sub problems, think strategically and solve problems.
- We want children to recognise relationships, make connections and make appropriate choices from a whole toolkit of methods, strategies and approaches.

$$5 + 2 = 7$$

Mathematical thinking

- Mathematical thinking is central to deep and sustainable learning of mathematics.
- Ideas needs to be thought about, reasoned with and discussed.
- Mathematical thinking involves looking for patterns to understand structure, looking for relationships/connecting ideas and reasoning logically, explaining and proving.



What skills do the children need to know by the end of YR?

By the end of their Reception Year children should be able to count reliably with numbers from I-20, place them in order and say which number is one more or less than a given number. Using quantities and objects, they add and subtract two single-digit numbers and count on or back to find the answer. They solve problems including doubling, halving and sharing.

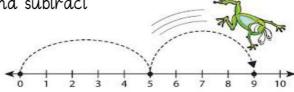
Reliably in many different contexts!

SK

Key skills for counting

- Recognising small numbers of objects without counting them (subitising)
- Making a reasonable estimate of numbers of objects without counting
- Understanding that if a group of counted objects are rearranged,
 the total stays the same
- Comparing the size of quantities
- Recognising that if objects are added or removed, the number of objects changes

Counting on or back to add and subtract



Shape, space and measure

By the end of their Reception Year children should use everyday language to talk about size, weight, capacity, position, distance, time and money to compare quantities and objects and to solve problems. They recognise, describe and create patterns. They explore characteristics of objects and shapes and use mathematical language to describe them.



RB

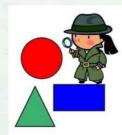
Key skills for shape, space and measure

- Comparing and ordering objects by weight/height/length/capacity
- Recognising coins
- Making and describing patterns and repeating patterns
- Identifying and describing simple 2D and 3D shapes
- Using positional language e.g. behind, next to, under
- Uses language related to time e.g. tomorrow, yesterday, later,
 a few minutes

Ideas for home

Maths is everywhere!

- number splat
- · counting the stairs at home as you walk up them
- shape hunt
- adding all the knives and forks together
- measure the family using non standard measurements
- spotting bus numbers and door numbers
- cooking looking at measurements
- using a timer to clean teeth
- when playing in the bath taking toys out putting them back in
- board games
- dominoes







- Make maths fun!
- Praise given for effort and willingness to have a go