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# Reception's Maths Workshop

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TUESDAY 17<sup>TH</sup> JANUARY 2023



# Early Years Foundation Stage – The areas



Prime Areas	Specific Areas
Communication & Language	Literacy
Personal, Social & Emotional	<b>Maths</b>
Physical Development	Understanding of the World
	Expressive Arts & Design



# Mathematics – Early Learning Goals

## Mathematics Number

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- 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.

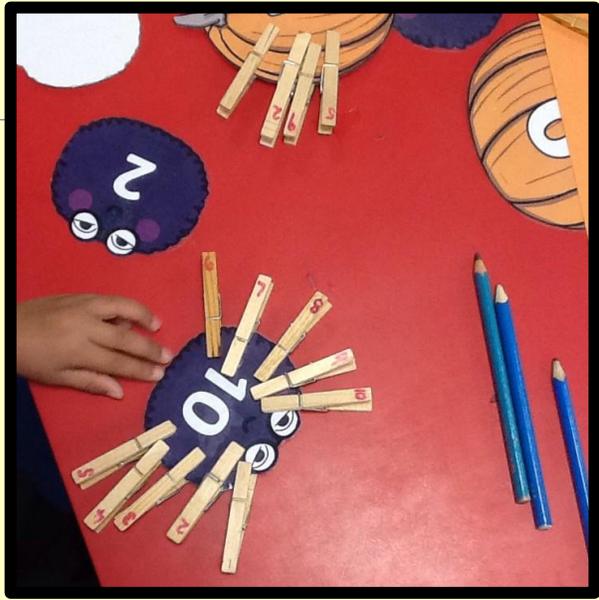
## Numerical Patterns

- 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.

# So what does Mathematics look like in Early Years...



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# Maths sessions at Quarry Hill in Reception



- 15-20 minute carpet session each afternoon
  - *very practical and visual using concrete materials*
  - *children work collaboratively with each other in engaging activities*
  - *links to topics and real-life experiences*
- indoor and outdoor activities within the classroom which support teaching
- Songs and rhymes





# Vocabulary

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- Subitise
- Prepositional language (behind, next to, in front, on top, under, below, above etc)
- More/ fewer
- One more
- One less
- Add
- Subtract/ take away
- Total amount
- Composition - recognising that numbers or shapes can be made up from (composed from) two or more smaller numbers or shapes.

# Talk Images



These are simply pictures that can generate a mathematical discussion.

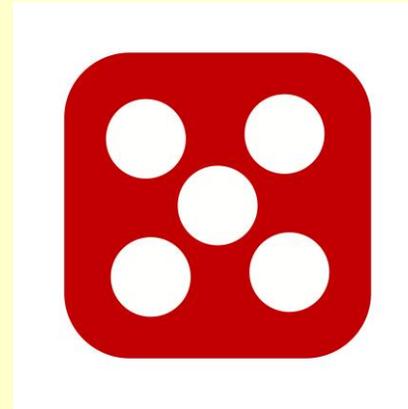
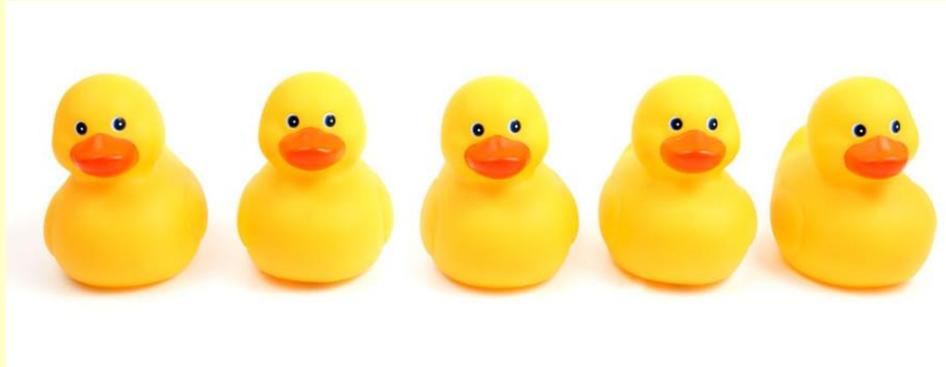
They can be used for estimation purposes.

They could be used for counting strategies.

# Number Sense - 'Fiveness of Five'

*What does 5 look like?*

5



# Resources

*What do we use?*

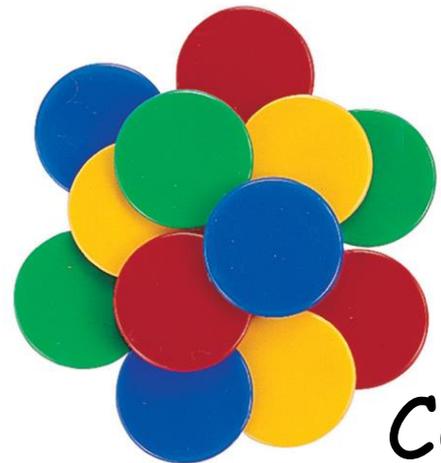
## Multilink



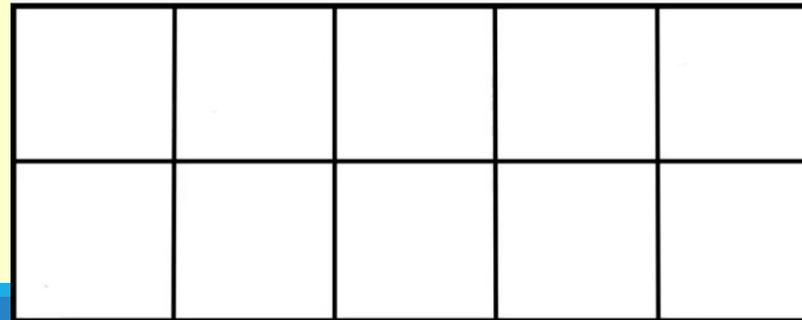
## Counting bears



## Numicon



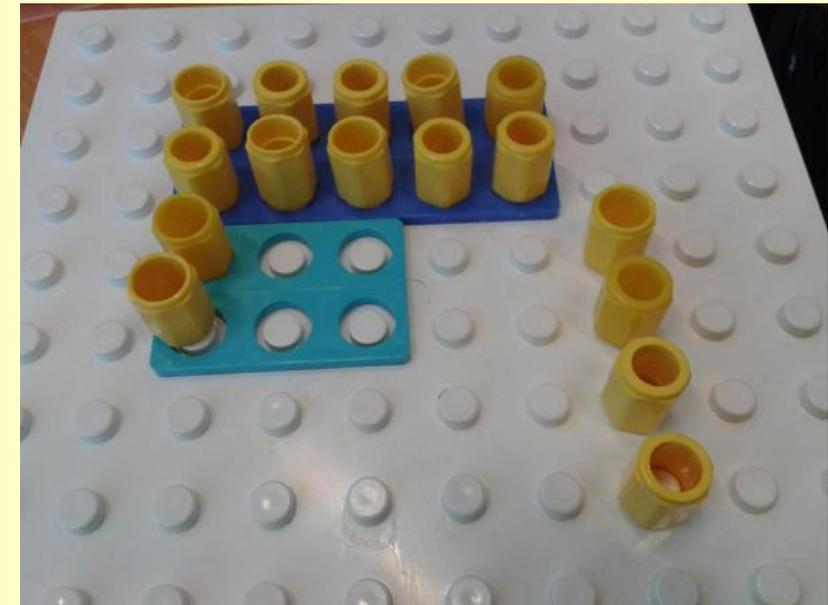
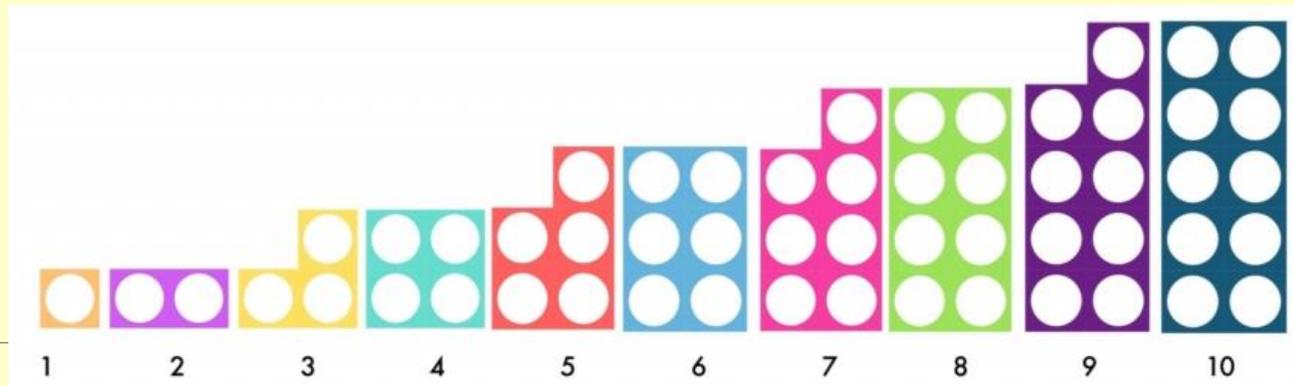
## Counters



## Ten's frame

# Numicon

- Recognising amounts
- Recognising odd/even numbers
- Adding
- Subtracting (with Numicon pegs)
- Weighted (use with balancing scales)
- Shape pictures
- Number bonds
- Money





# Number Rhymes

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- 0 – Start at the top and around you go, that’s the way you make a zero!
- 1 – Start at the top and down you run, that’s the way you make a one!
- 2 – Make a candy cane and give it a shoe, that’s the way you make a two!
- 3 – Around the tree, around the tree, that’s the way you make a three!
- 4 – Down and across, down some more, that’s the way you make a four!
- 5 – Short neck, belly fat, number five wears a hat!
- 6 – Start at the top and make a look, number six wear a hoop!
- 7 – Across the sky and down from heaven, that’s the way you make a seven!
- 8 – Make a ‘S’ then close the gate, that’s the way you make a eight!
- 9 – Make a circle then draw a line, that’s the way you make a nine!

