
Reception's Maths Workshop

WEDNESDAY 22ND JANUARY 2025



Early Years Foundation Stage – The areas



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



Mathematics – Early Learning Goals

Mathematics Number

- 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.

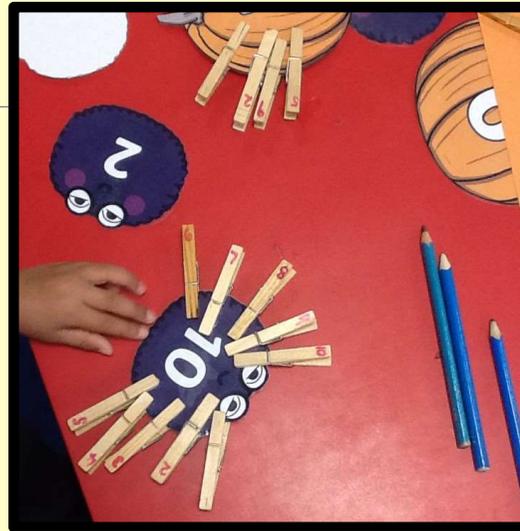
Numerical Patterns

- 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



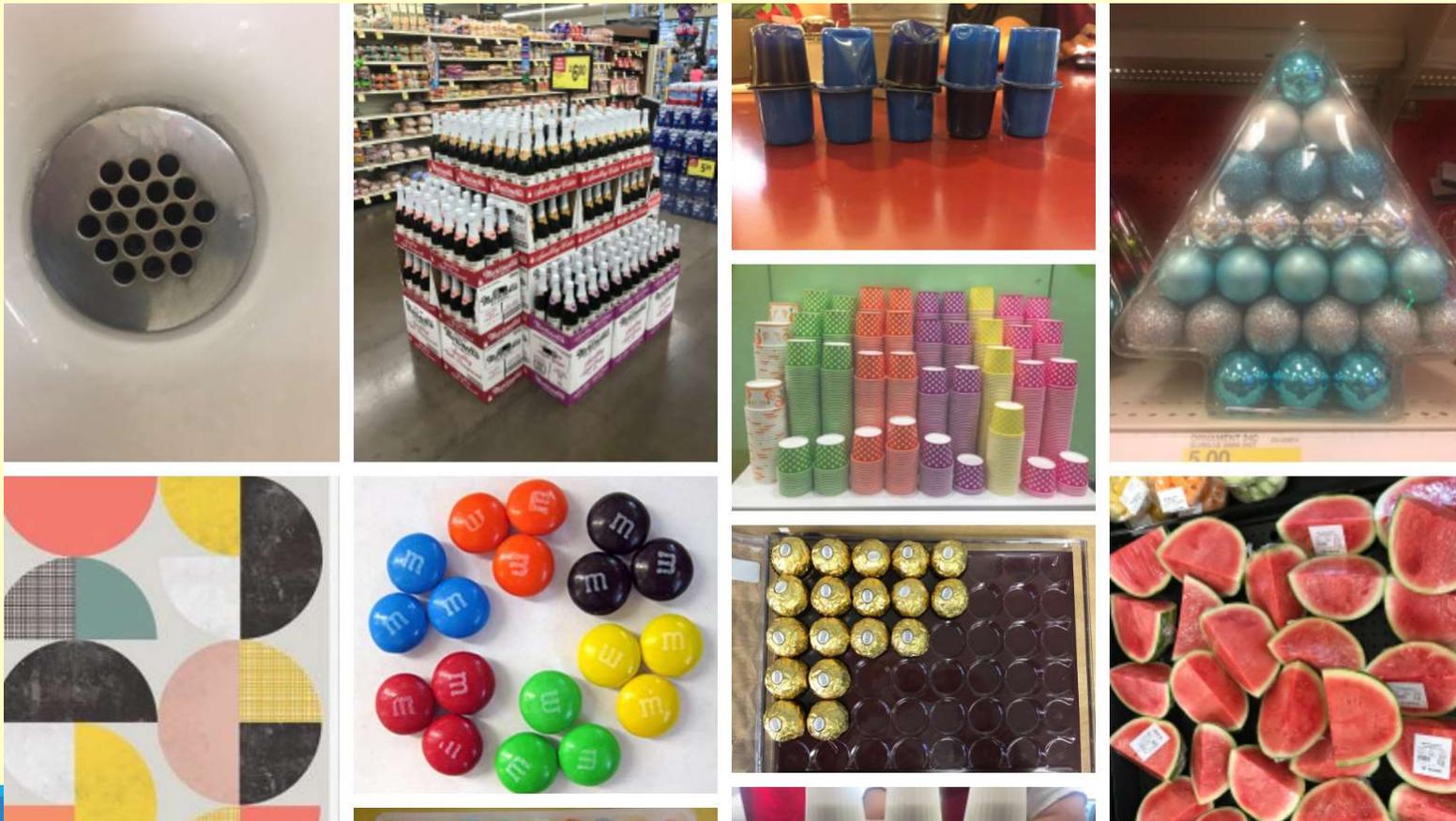


Vocabulary

- 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.

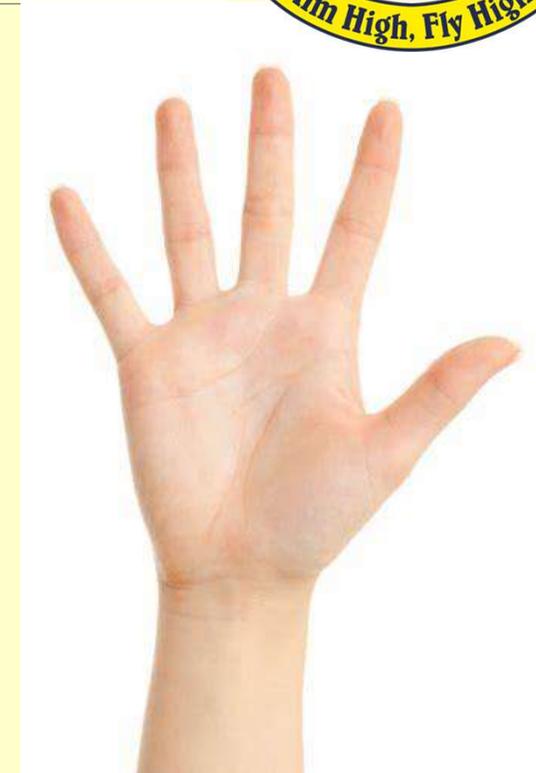
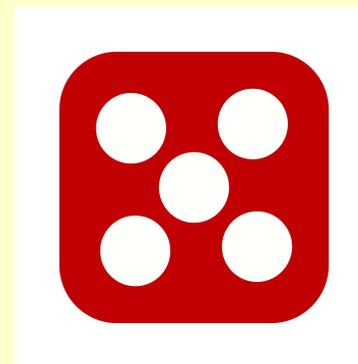
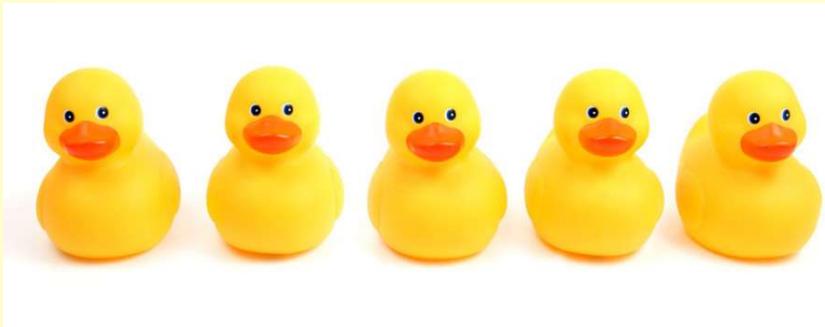
They could be used for counting strategies.

Number Sense - 'Fiveness of Five'

What does 5 look like?



5

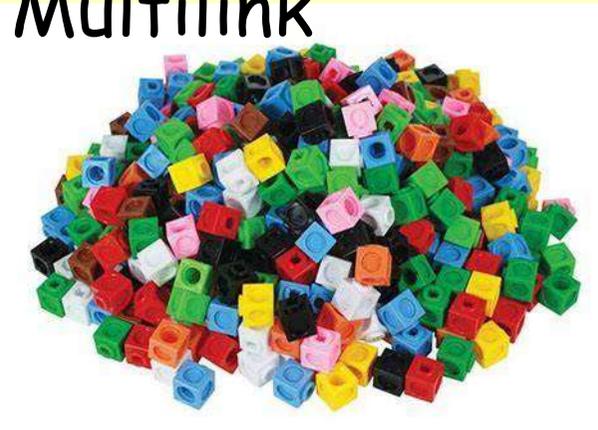




Resources

What do we use?

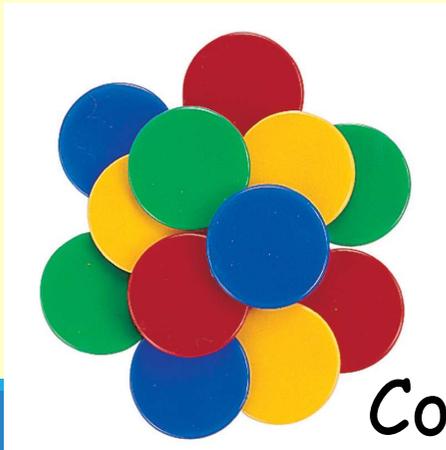
Multilink



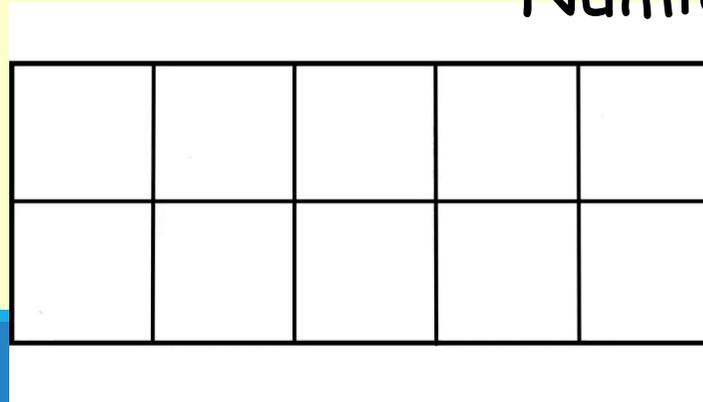
Counting bears



Numicon



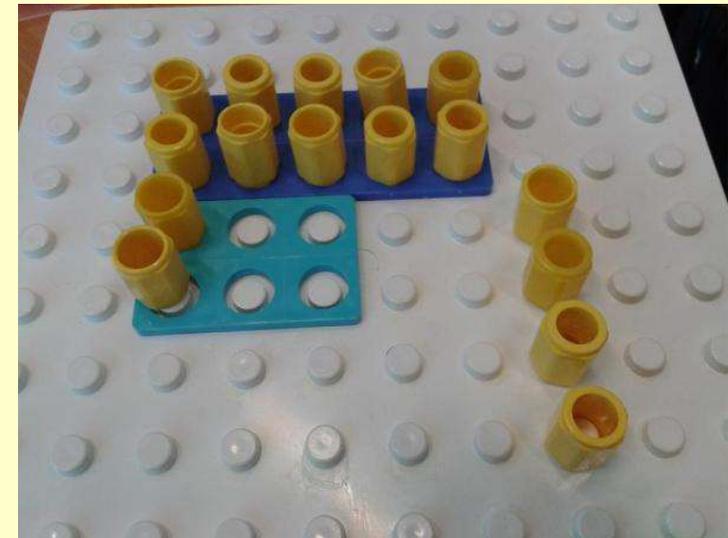
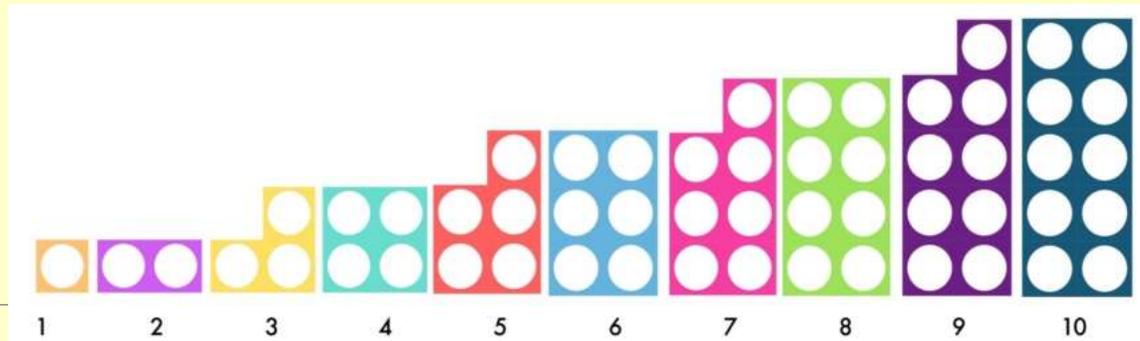
Counters



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

- 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!

