

Numeracy Workshop May 2019

Numeracy through play and practical experiences

- Before we can embark on any kind of formal calculating there are vital practical processes the children need to experience.
- Role play- shops, maths market
- Outdoor play- sand, water, games, coins
- Number rhymes and Stories and games
- We encourage the use of cubes, compare bears, fingers, number fans, numicon and number lines up to 10 and 20.







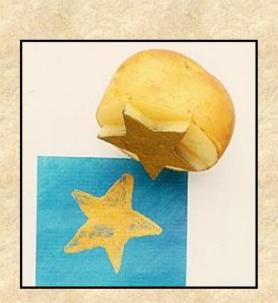


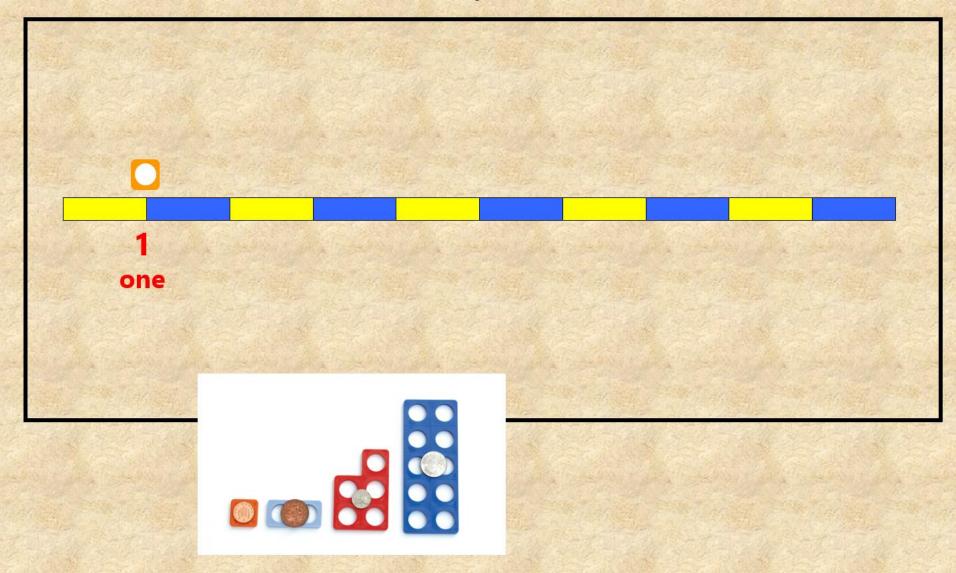
Numeracy through play



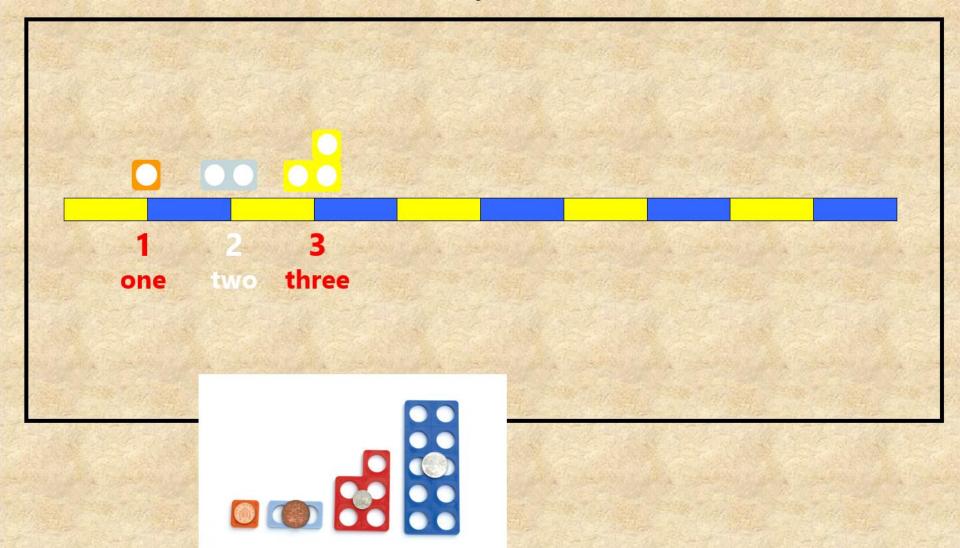


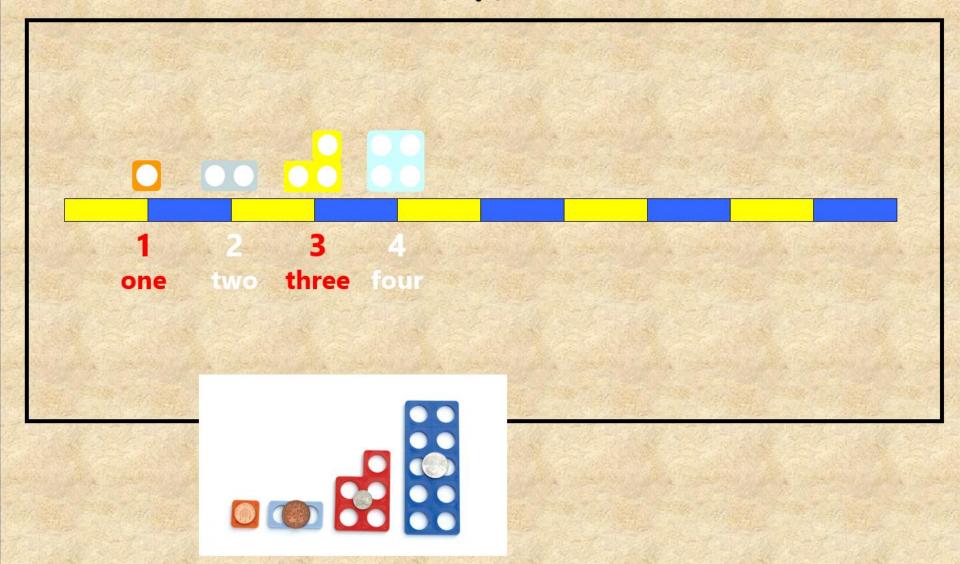


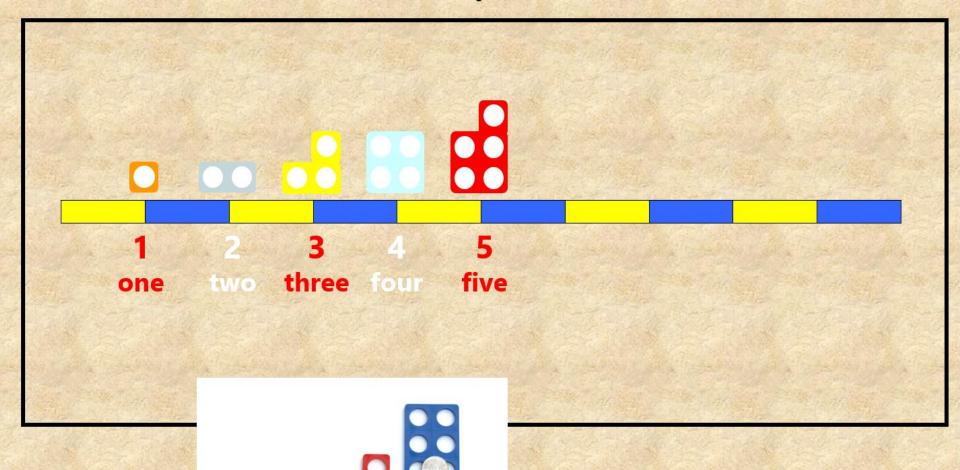


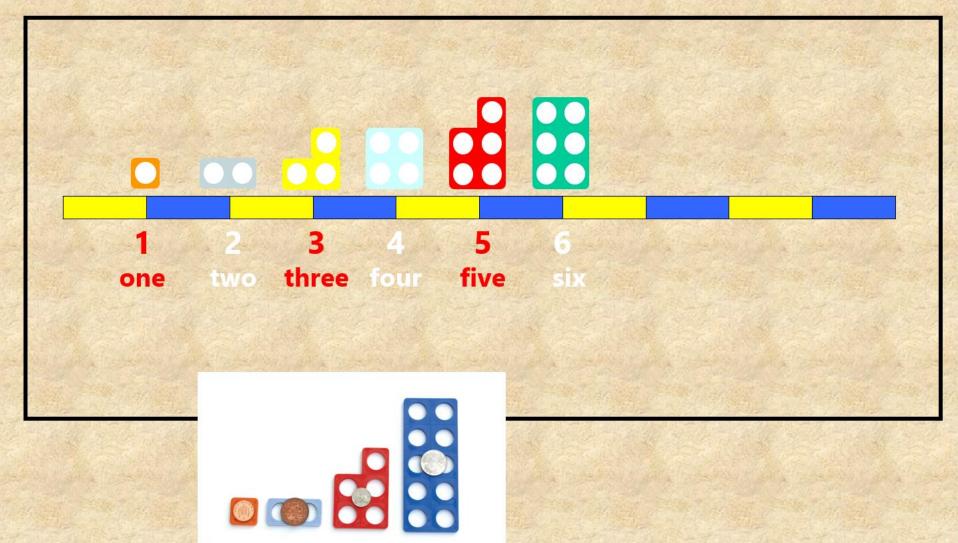


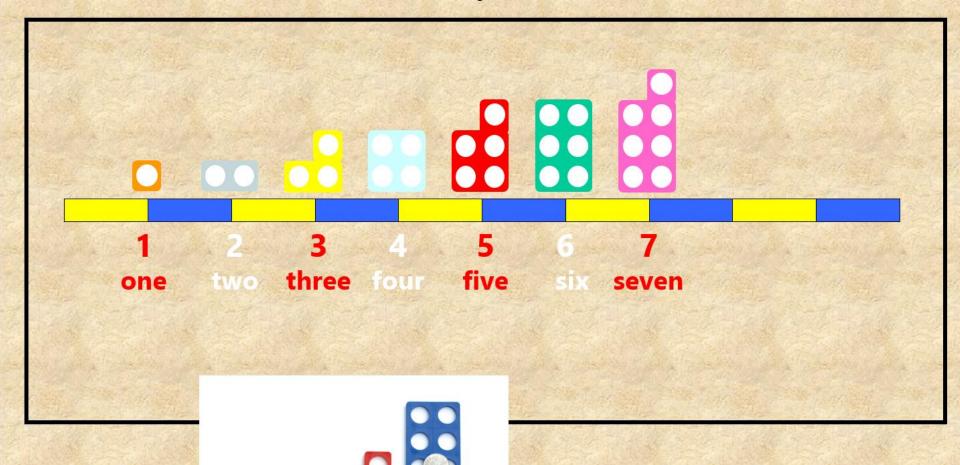


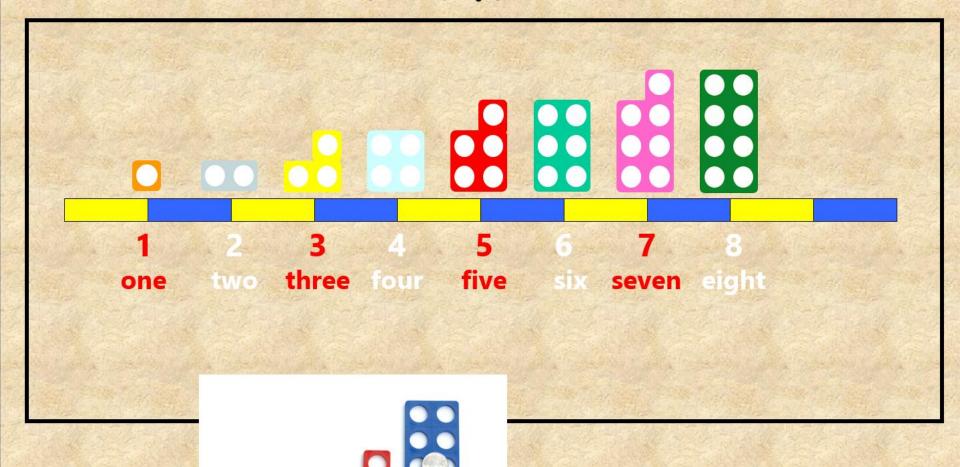


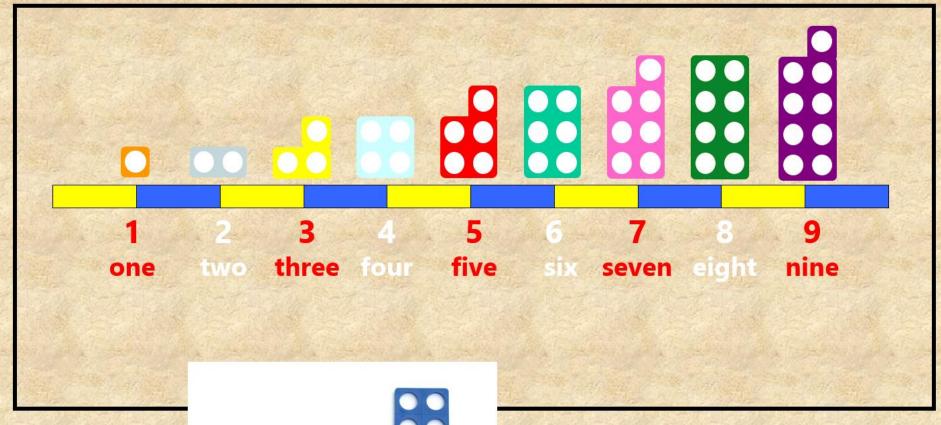


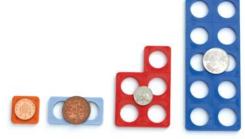


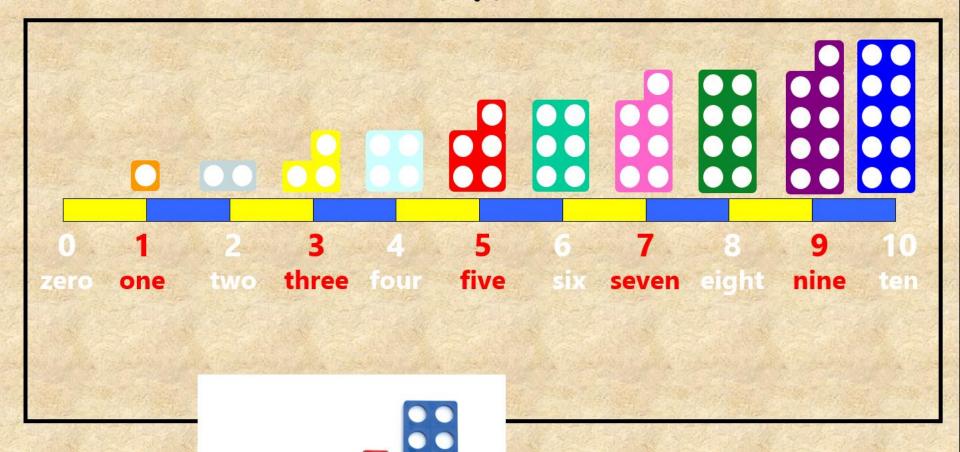








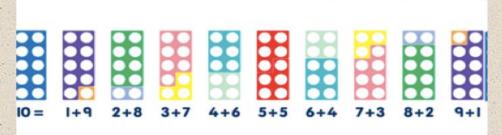




- Early on children play with the numicon:
- Printing the shapes in paint
- Digging for shapes in the sand
- Match the shapes
- Counting the holes in the shapes
- Recognising the colours of shapes

We use numicon to aid and assist our children's learning.

- Combining shapes addition
- Odd and even numbers
- Assist in money problems
- Doubling and halving
- Multiplication/division
- Really is an extremely valuable resource!



Calculating

- Say numbers in order
- Recognise numerals
- Develop problem solving skills
- Identify more and less
- Begin to relate addition to combining two groups of objects and subtraction to 'taking away'

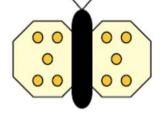


Calculation Strategies

Begin to use the + and = signs to record mental calculations in a number sentence

$$6 + 4 = 10$$





Know doubles of numbers

Find pairs of numbers that total 10.



Number bonds to 10

0 to 10 are big strong men



1 and 9 are feeling fine



2 and 8 are never late



3 and 7 come from Devon



4 and 6 like to play tricks



5 and 5 come alive



6 and 4 hold open the door



7 and 3 visit for tea



8 and 2 are feeling blue



9 and 1 have just gone



10 and 0 are super heroes!!!!!!!



Problem Solving, Reasoning and Numeracy

- Use mathematical language greater, heavier, longer, smaller, under, beside
- Identify patterns
- Identify and describe shape
- Recognise and name coins and learn to use them in practical experiences

How YOU Can Help...

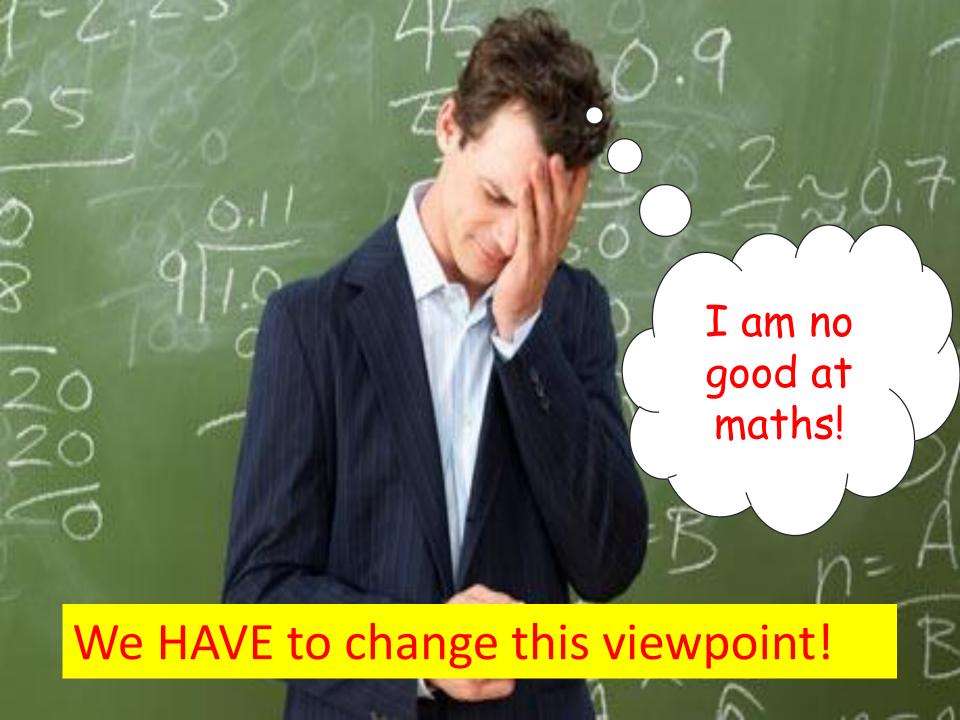
Play lots of games, counting, identifying numbers!

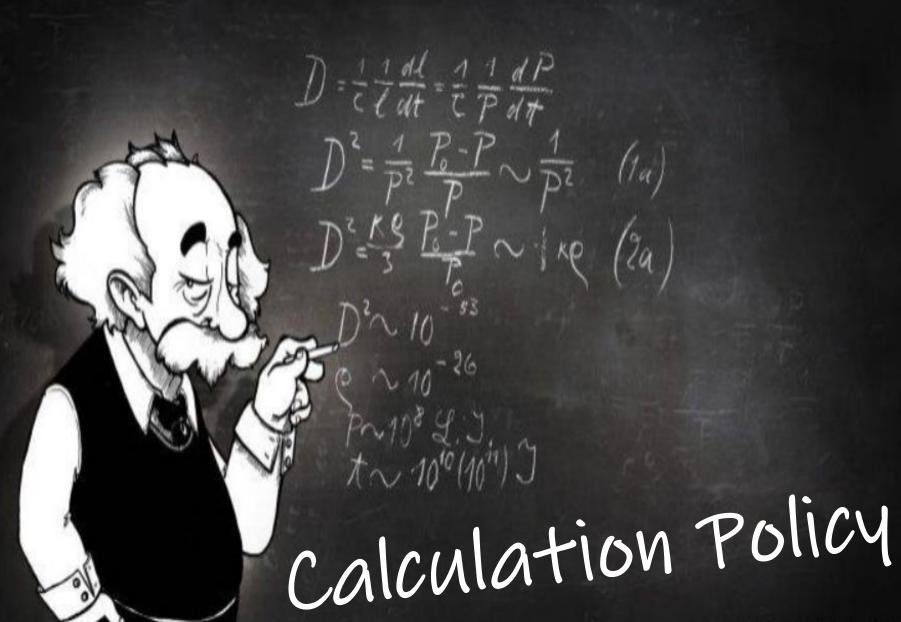
Remember that maths should be FUN!

- Websites:
- www.topmarks.co.uk/maths-games
- www.ictgames.com









SKETCHBOOKJACK

