Foundation Stage 2

‘Supporting your child’s learning in Maths’ INSPIRE morning

16th January 2020

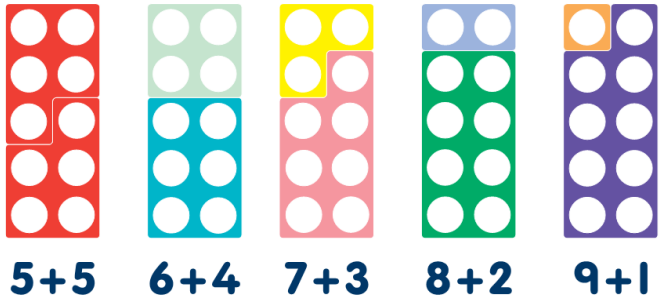
Mr Staines

Assistant Head and Maths Lead

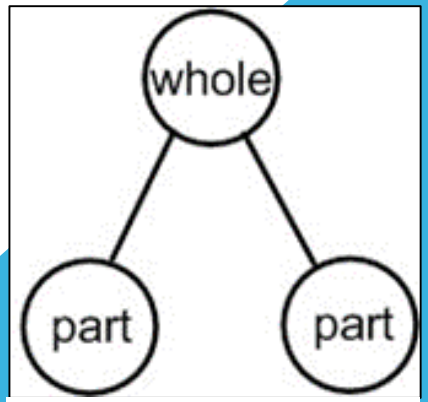
- Maths at Castle Bromwich Infant and Nursery School
- What you will see in the classrooms
- How to help your child at home

Maths at Castle Bromwich Infant and Nursery School

- A focus on concrete resources



Numicon

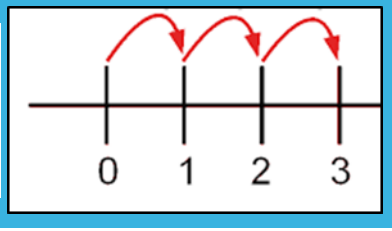


Part whole diagram

Tens frame



Number line



Counting equipment







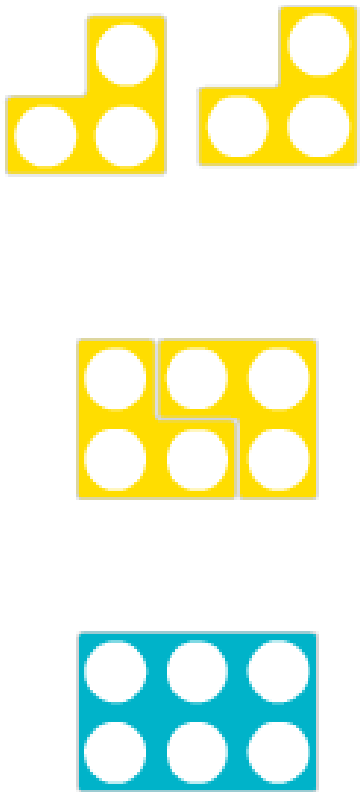
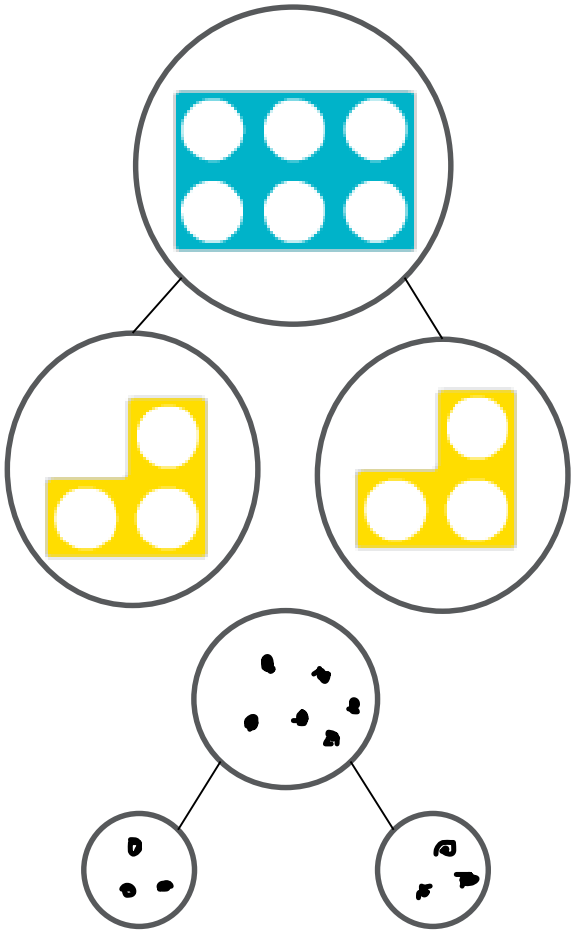
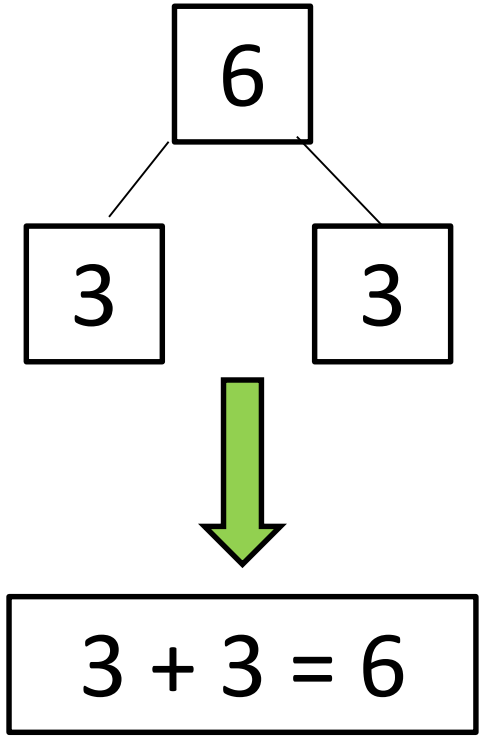
Balance scales





2D and 3D shapes

Maths at Castle Bromwich Infant and Nursery School

Concrete	Pictorial	Abstract
		

Starting their journey towards maths mastery

- Caters for all learning styles
  - Audio - Visual - Kinaesthetic
- Fluid system – can always go back
- Allows children to explore concepts in depth
- Reason mathematically

What you will see today……

- Writing numbers
- Counting amounts
- Finding parts of a whole
- Addition of parts
- Comparing and ordering numbers
- Measuring and comparing mass
- Capacity
- 3D shapes

How to help your child at home

- Number formation
- Counting – stairs, walking to school
- Numbers in different contexts
    - Favourite numbers, telephone, dates
- Playing counting games
    - Hide and seek, Pairs, Snap, Cards
- Patterns of objects
- Shape detectives
- Subitising - games coming soon!

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Mathematics in the Early Years – Expectations for children by the end of Reception

Number

- I can recognise and order numbers 0 -20.
- I can write numbers 0 -20.
- I can count beyond 20.
- I can add and subtract one digit numbers.
- I can record a number sentence.
- I can make an estimate.
- I can double and half numbers.
- I can count in 2's or 10's.

Shape Space and Measure

- I can name 2D shapes and discuss their properties.
- I can name 3D shapes and discuss their properties.
- I can recognise, talk about and solve problems using money and words like pence.
- I can make comments on the weight of objects by comparing them and ordering heaviest to lightest.
- I can compare the capacity of different containers.
- I can compare the height of objects using the words taller and shorter.
- I can use blocks and other things to measure.

Questions to encourage your child's mathematical thinking

Can you show me…?

Talk to me about…?

Why does this come next..?

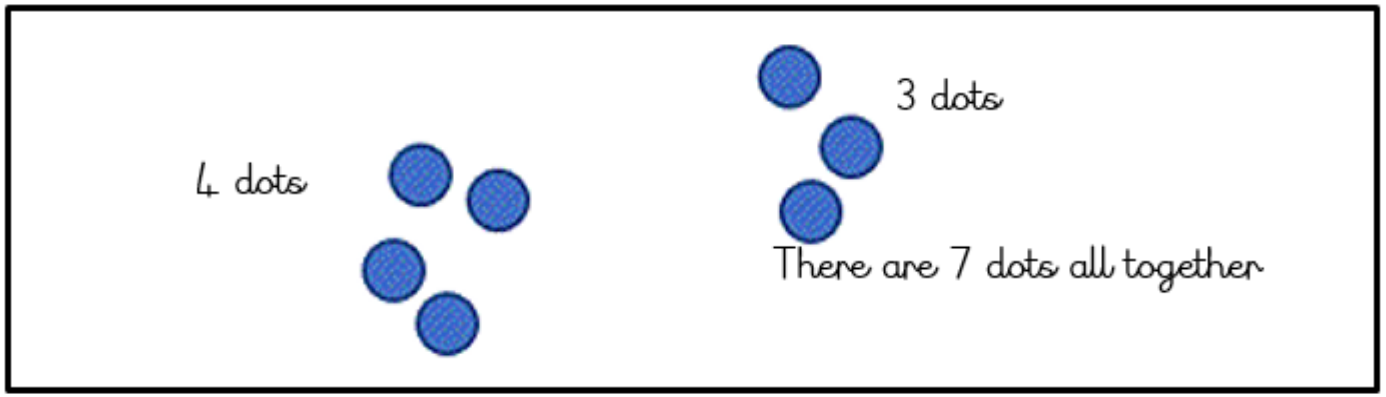
What happens if…?

Why is this one different …?

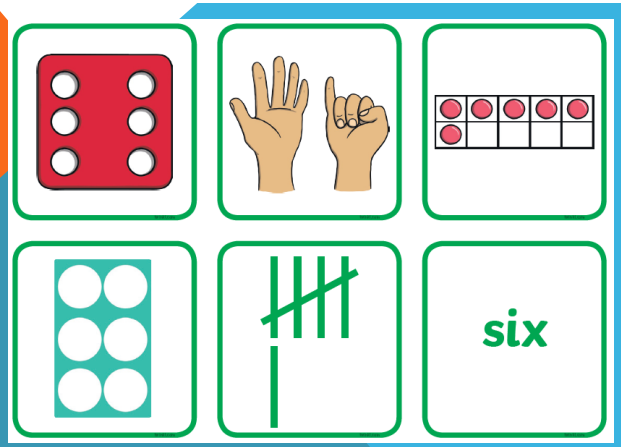
Why can't it be…?

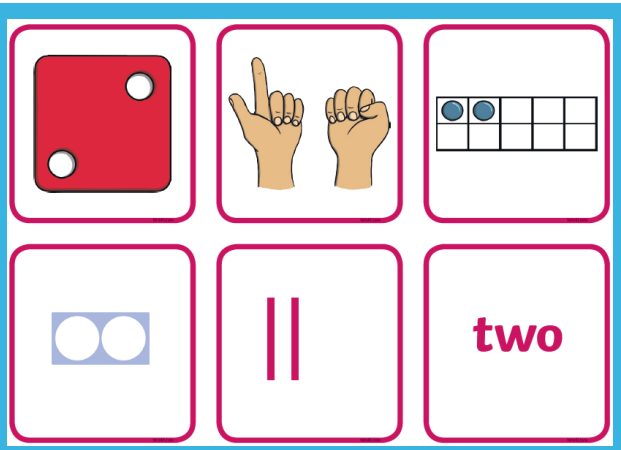
Recognising numbers – subitising

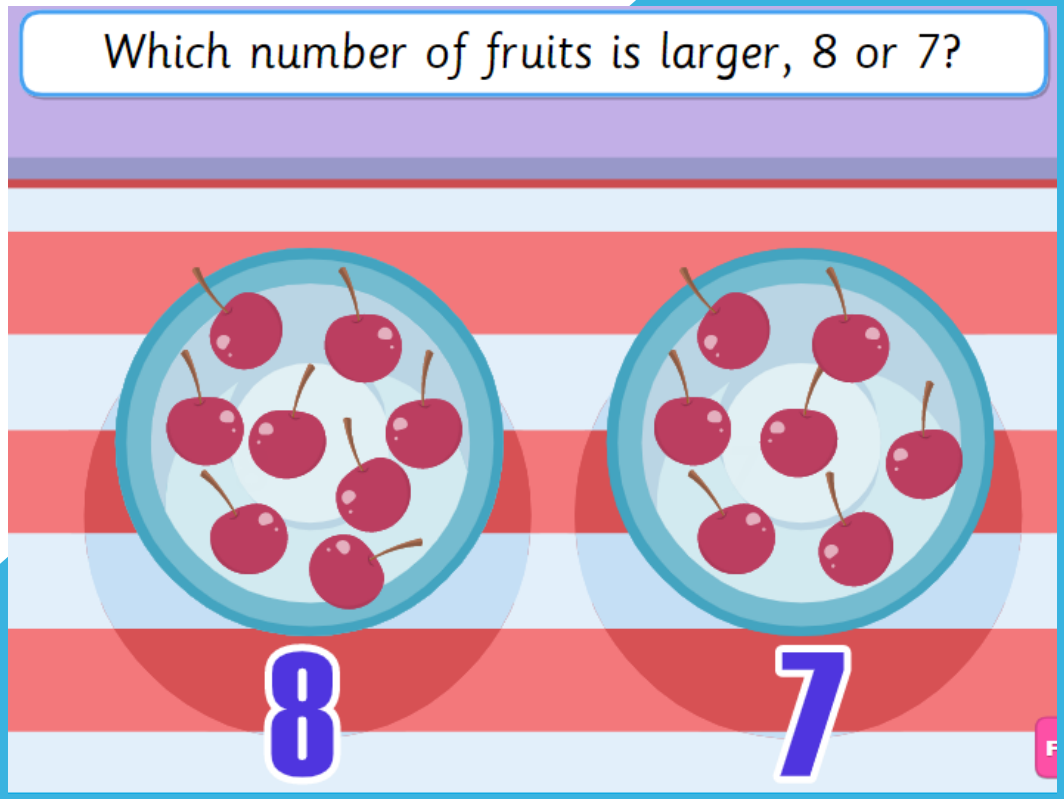
Early number recognition to 5 and then to 10 is a key skill we are promoting in reception. Subitising refers to the concept of recognising the exact quantity of small groups of numbers, for example in the image below, we can recognise the 4 dots and three dots without the need for counting them



Numbers come in many different forms and representations and if children can rapidly recognise a quantity without having to count them, this provides them with an excellent sense of numbers which is crucial to mathematical fluency and late number development.



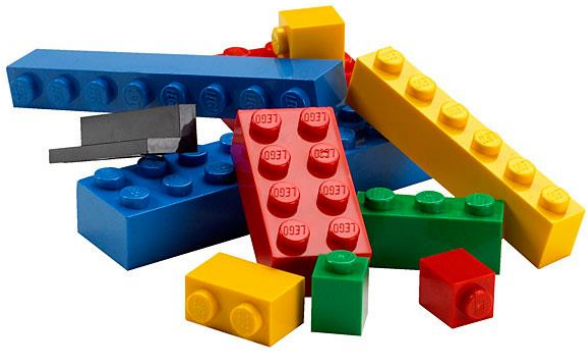




- Free access
- Set weekly homework
- Consolidate and deepen understanding

Maths is everywhere!

















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Thank you for listening, enjoy your morning.

Refreshments will be available in the hall after your time with the children.