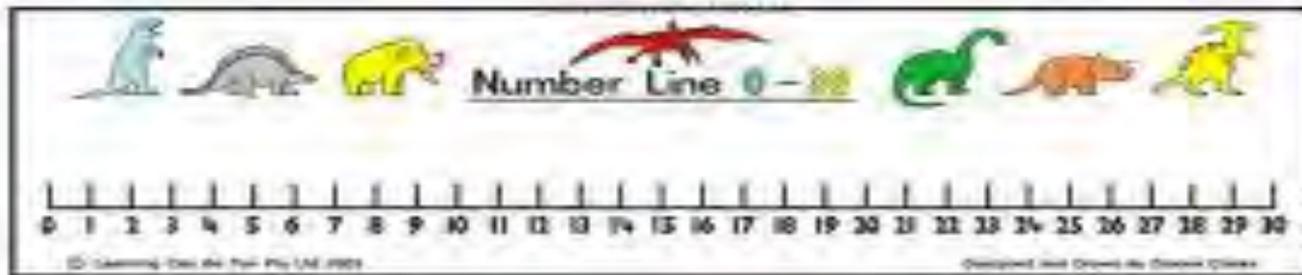
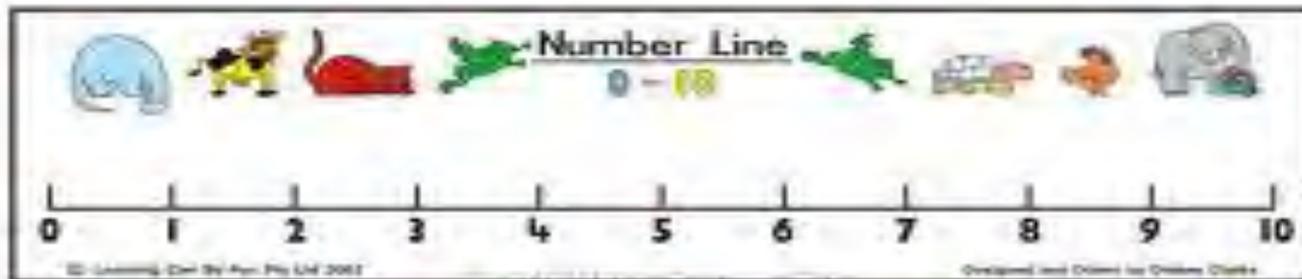


Number Lines & Numicon plus lots more!

Maths workshop
Wednesday 27th April, 2016



Aims

- To provide ideas as to how parents and carers can become more involved in the mathematical education of their children.
- To enable parents and carers to appreciate how we use different tools to support children in their understanding of number.
- How calculations are taught at Woodside.

Importance of parents' involvement in their child's learning



Activities to support the teaching of number at home.



u1105943 [RF] © www.visualphotos.com



Key factors influencing maths learning

- ability to sequence
- making connections – generalising
- working memory/auditory, visual
- processing
- motor skills
- attitude – maths seen as relevant
- language skills

Some challenges in learning maths

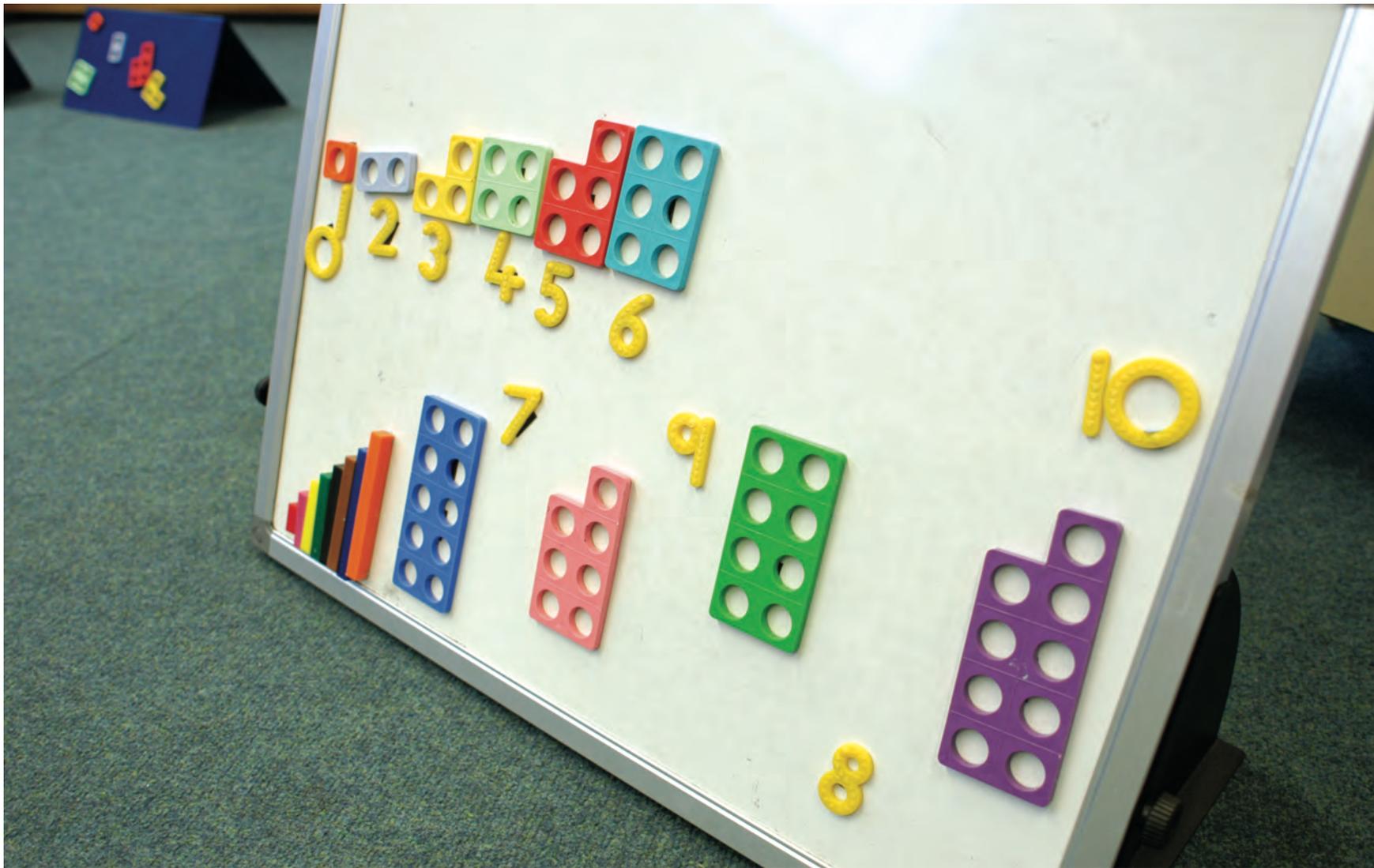
In maths familiar words have different meanings

...

Numbers are abstract ideas...

.... all we can *show* children are number representations

Numerals are arbitrary symbols...



The importance of using a number lines

- Emphasis on mental work including learning number facts and tables by heart.
- Progression from mental to formal written methods.

Development of children's learning

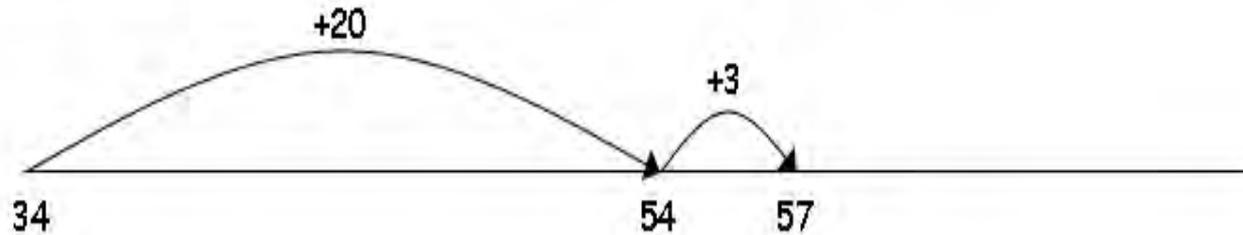
- Children will become better at recalling number facts and doing calculations in their heads
- See different kinds of recording including rough jottings, sums written horizontally, number lines...
- Calculations in columns will generally not appear until around year 3.
- Mental work goes on through the primary years

Number lines found the Home

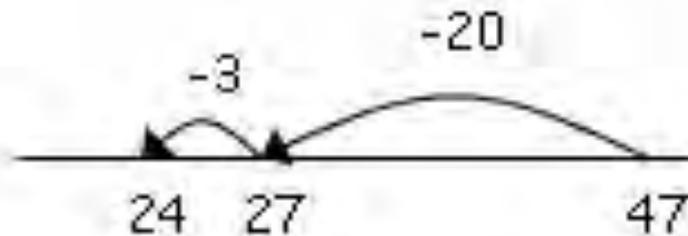


The Number Line

$$34 + 23 = 57$$



$$47 - 23 = 24$$



Any Questions?