

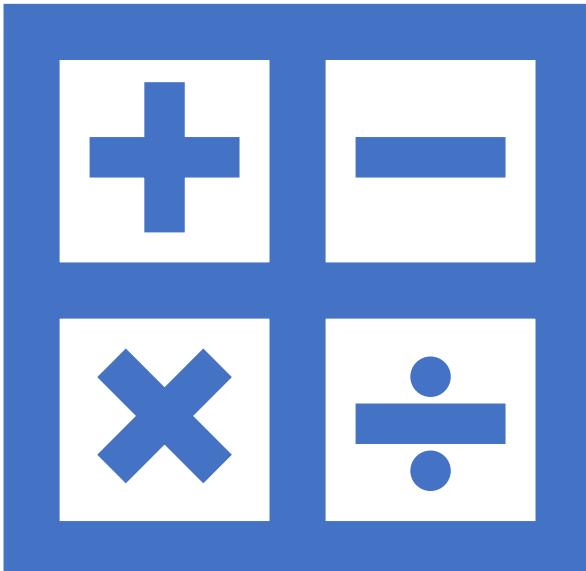
First Level Numeracy and Maths



Introductions

- Miss MacPherson P2a
- Mrs Hannon P2b
- Miss Wilson P3a
- Miss Allan P4a
- Miss Johns P4b

Overview



- What do we mean by Maths?
- What do we mean by Numeracy?
- How do we teach Numeracy at Broughton?
- Workshops exploring the different strands of SEAL.

Topic Maths



PATTERN



SHAPE



TIME



MEASURE



SYMMETRY



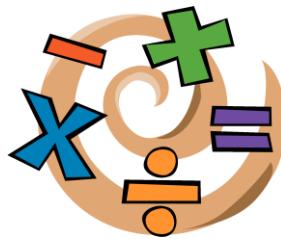
DATA
HANDLING



MONEY

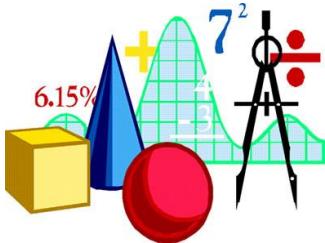
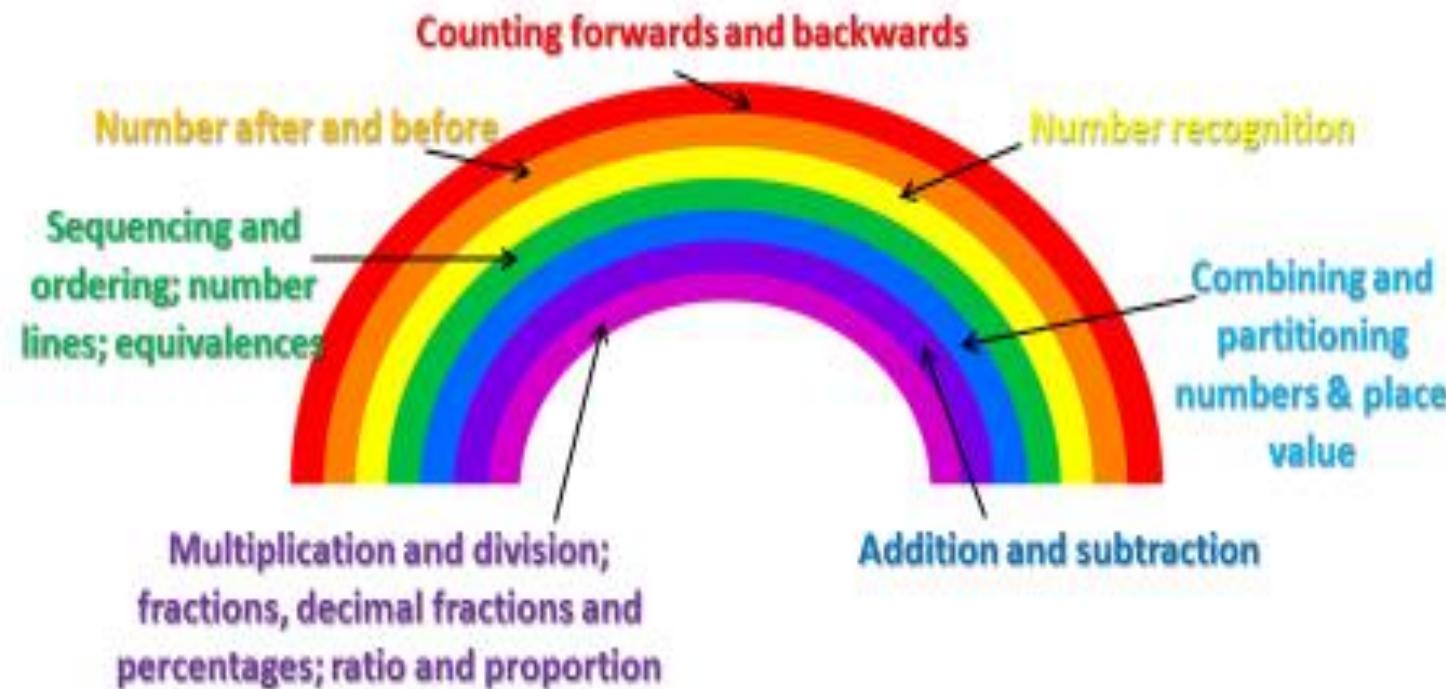


FRACTIONS



Broughton Counts

'A Rainbow of Numeracy Skills'



Numeracy

- ▶ **SEAL - Stages of Early Arithmetical Learning**
 - ▶ Focus on understanding
 - ▶ Structured progression to develop understanding
 - ▶ Importance of the discussion of strategies.
- ▶ The **SEAL** programme is broken down into 5 key strands.
 - ▶ Number Word Sequences
 - ▶ Numerals
 - ▶ Number Structures
 - ▶ Addition and Subtraction
 - ▶ Multiplication and Division

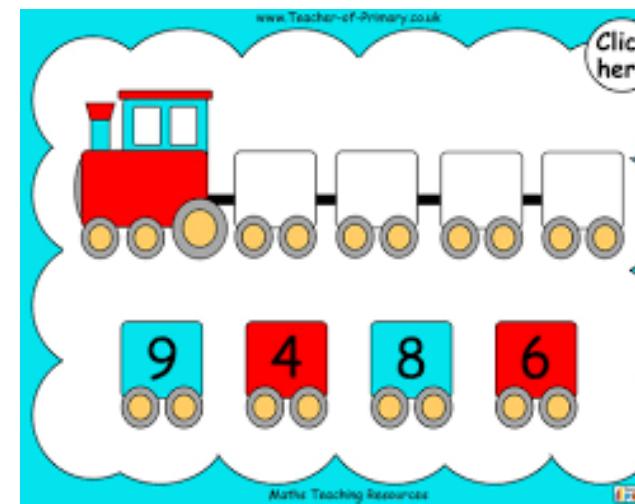
Number Word Sequences

- ▶ Counting forwards and backwards:
- ▶ In 1s and then multiples
- ▶ Starting and stopping at different numbers
- ▶ Crossing the decade
- ▶ Finding the number before/after



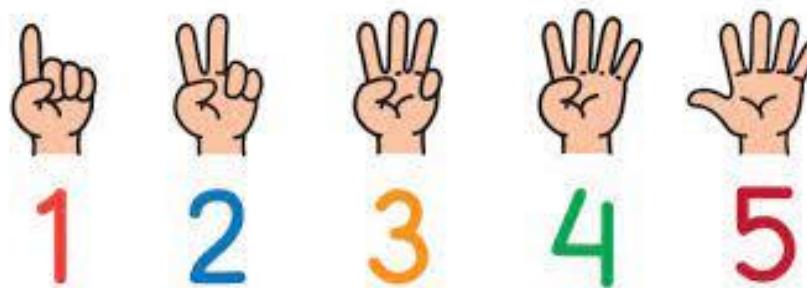
Numerals

- ▶ Recognising numbers
- ▶ Finding a number
- ▶ Sequencing numbers
- ▶ Ordering numbers



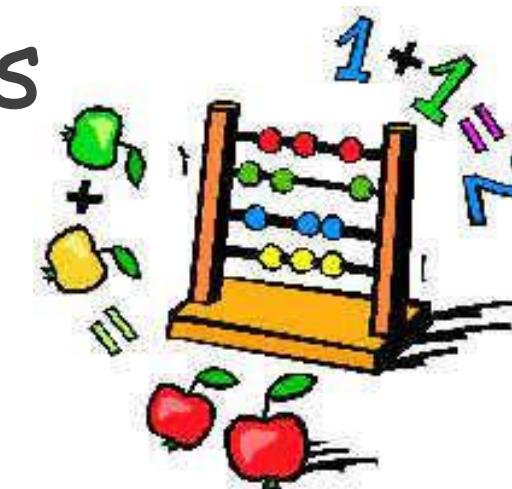
Number Structures

- ▶ Dice patterns
- ▶ Random/Pairs Patterns
- ▶ Finger patterns
- ▶ Doubles and near doubles
- ▶ Number frames and number bonds



Addition and Subtraction

- ▶ Counting objects
- ▶ Adding by counting
- ▶ Screened collections
- ▶ Combining and partitioning numbers
- ▶ Adding and subtracting from decades
- ▶ Missing numbers in sums
- ▶ Using learnt facts



Multiplication and Division

- ▶ Describing equal groups
- ▶ Making equal groups
- ▶ Describing equal shares
- ▶ Organising equal shares
- ▶ Describing arrays
- ▶ Counting and combining equal groups
- ▶ Applying in word problems



Workshops



Spatial Patterns & Combining and Partitioning /Number Bonds.
Place Value. - Room 3



Addition and Subtraction - Room 4



Counting and Ordering Numbers
Multiplication & Division - Room 2