Maths Parent Workshop
Year R

Lydlynch Infant School

Friday 7th February 2025

Aims of the workshop

- Maths in Year R
- How we teach Maths in Year R
- Ways you can help at home
- Watch a Maths activity in your child's class

The Importance of Maths

- Mathematics is ubiquitous in our daily routines.
- Understanding fundamental math concepts enhances our ability to navigate everyday challenges efficiently.

Shopping

Transport

Cooking

DIY

Time

Sport

Perception of Maths…

- What are your own perceptions of maths?

- What experiences of maths did you have at school yourself?

What were your Maths teachers like?

- Children are much more likely to take risks in their learning when an adult models a positive growth mind set and attitude towards maths.

Our aim is to provide opportunities to enable all children to:

- Enjoy Maths!
- Explore, investigate and get creative with numbers
- Communicate mathematical ideas with confidence
- Develop a secure understanding of mathematical foundations in readiness for Key Stage 1, particularly in **number**
- Use resources to demonstrate their understanding
- Recall number facts with increasing speed, fluency and accuracy e.g *double 3 is 6*

Early Learning Goals (ELG) for Maths by the end of Year R

ELG: Number

Children at the expected level of development will:

- **Have a deep understanding of numbers to 10, including the composition of each number**
- **Recognise quantities without counting up to 5**
- **Automatically recall number bonds up to 5 (including subtraction facts) and some number bonds to 10, including double facts**

ELG: Numerical Patterns

Children at the expected level of development will:

- **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**

Mathematical Skills

During their time at school, children develop a variety of mathematical skills.

These skills can also be applied in other subjects and in everyday life.

Some of these include:

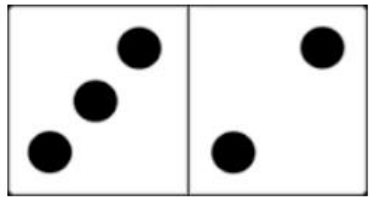
- **Using mathematical vocabulary**
- **Predicting and justifying**
- **Making connections**
- **Spotting patterns**
- **Work systematically**
- **Trial and error**
- **Logical thinking**
- **Resilience**
- **Problem solving**
- **Challenge ideas**

Hamilton Trust

- At Lydlynch, we follow a maths scheme called **Hamilton Trust**
- The scheme **builds upon prior knowledge and learning** and allows children to gain the fundamental building blocks to maths.
- **Learning is adapted and differentiated** to support children's learning and progress.
- Activities are planned which allows children to learn through play during their **Discovery Time**
- Topics are learnt and revisited for consolidation and to build on prior knowledge.

Maths in Year R

Number



Maths in Year R

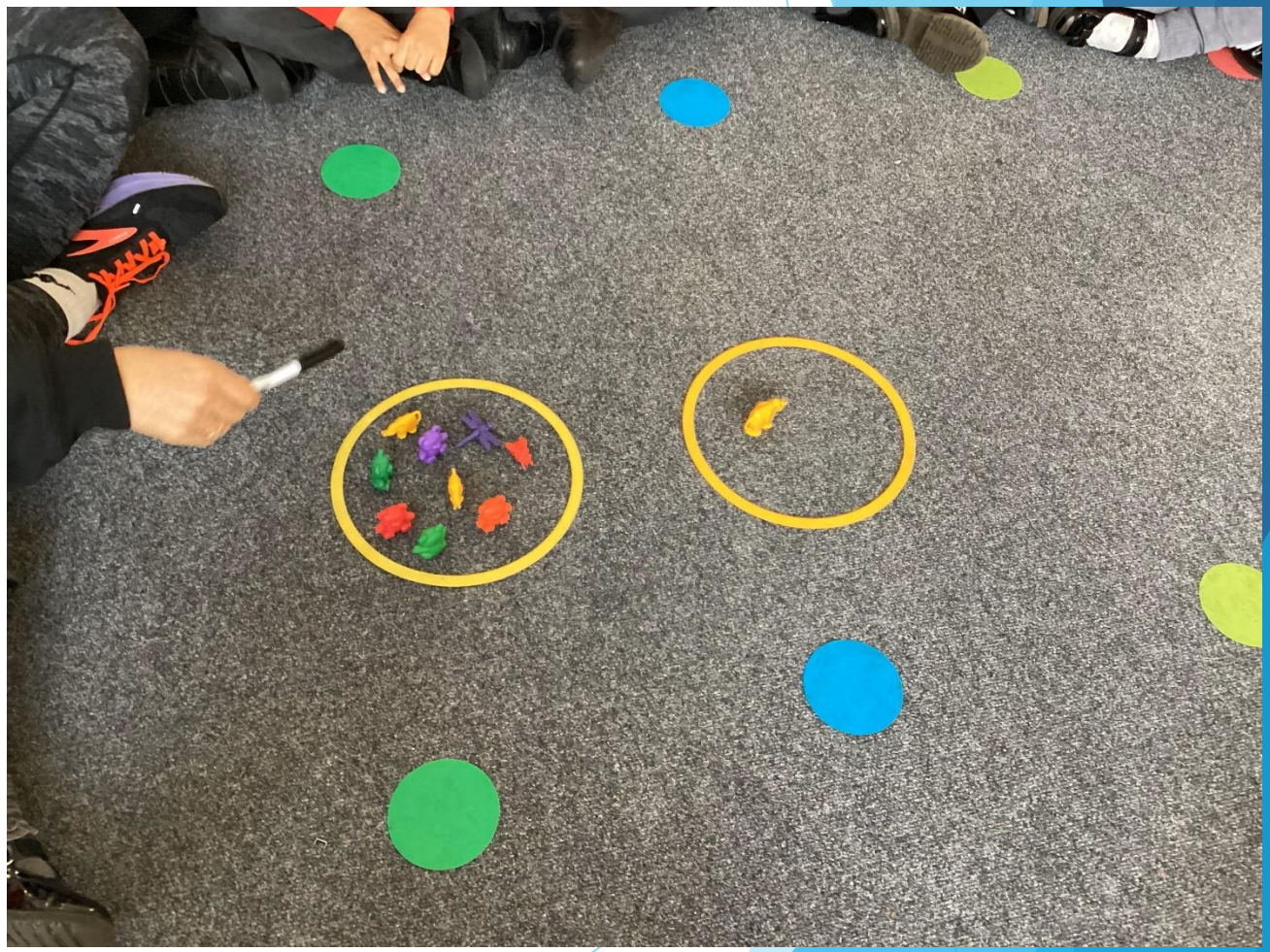
Five Little Speckled Frogs

Days of the Week Song

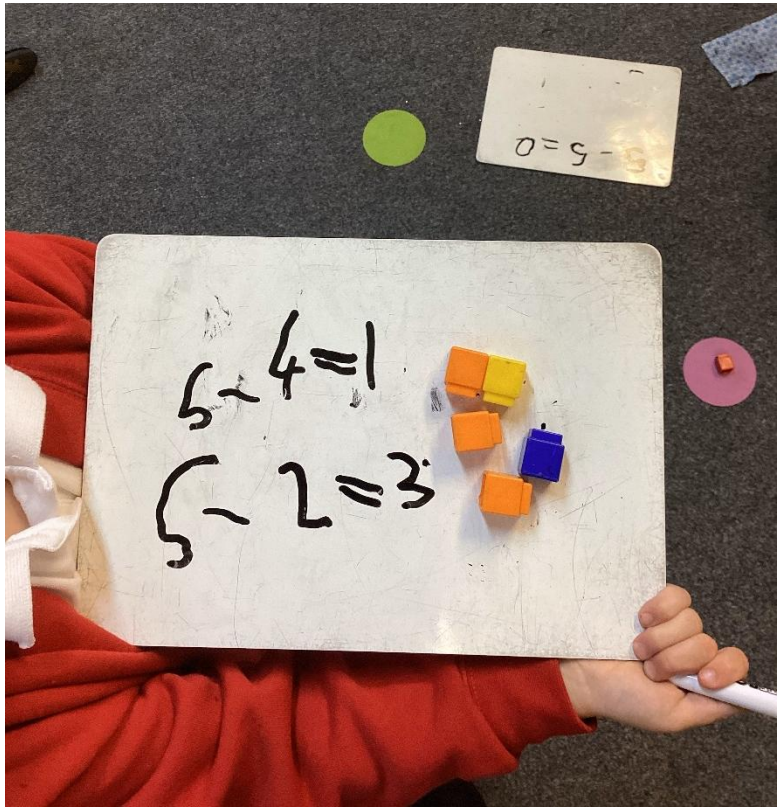
1,2,3,4,5, Once I Caught a Fish Alive

Five Little Monkeys

Maths in Year R



Maths in Year R



Autumn 1			**Understanding Number** Counting and sequencing numbers Ordering numbers; sequencing	**Shapes and Patterns** Exploring and playing with symmetry Exploring repetitive patterns
Autumn 2	**How many?** Count how many, match one-to-one One more/less up to 12	**Time** Introducing time	**Number sets** Partitioning to create number bonds Recording numbers bonds	**Comparison and Measures** Comparing lengths Comparing measures directly
Spring 1	**Shapes and Patterns** Counting in 2's; odd/even numbers Exploring 2D shapes	**Understanding Number** Counting and estimating Order and compare numbers	**Position and Time** Where is it? Time	**Addition and Subtraction** Partition to create number bonds Say the number 1 more/1 less
Spring 2	**Comparison and Measures** Comparing weights Measuring weights	**Addition and Subtraction** Count on to add Count back to subtract	**Shapes** Explore and play with 3D shapes	**Money and Coins** Coin recognition Money role play
Summer 1	**Understanding Number** Teen numbers; 10 and some more Exploring 100	**Comparing and Measuring** Measuring outside	**Addition and Subtraction** Equivalence Bonds to 10	**Shapes and Sorting** Talking about Shapes Sorting
Summer 2	**Clever Counting** Counting on; 1 more/1 less Clever Counting	**Time** Telling the time	**Patterns** Doubling and halving Fractions	**Number Games** Number games

A typical Maths Lesson

1. Mental Starter – usually whole class and covers KIRFs and prior learning

2. Main input on carpet

3. Activities with adults

Being active!

Using a CPA approach

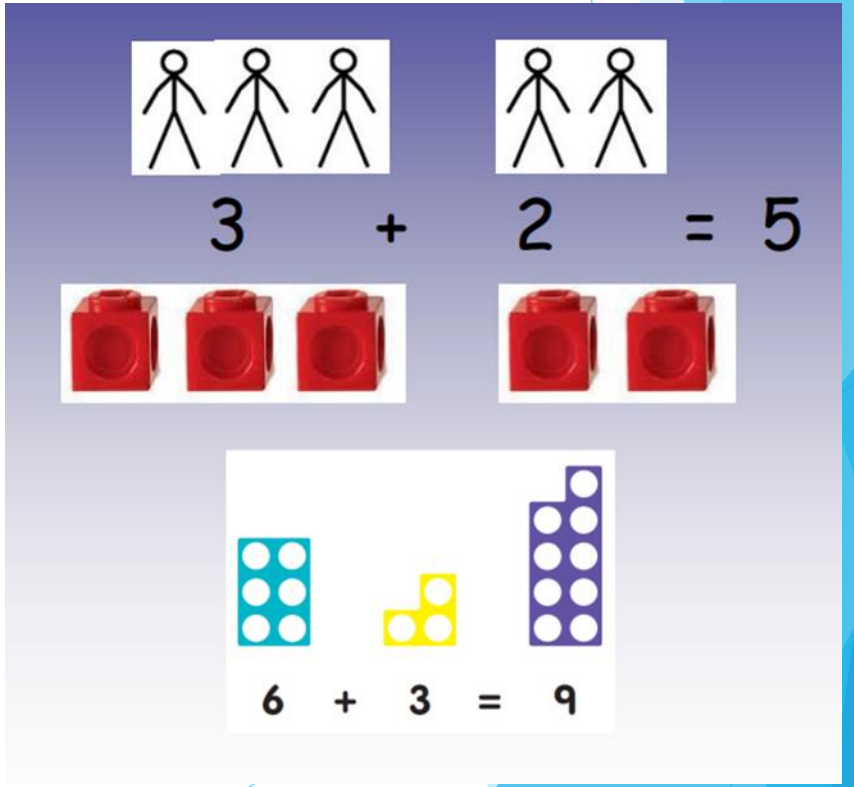
- Concrete
- Pictorial
- Abstract

Concrete

- Encourages children to use physical resources to support their maths learning. This can range from counters, multilink cubes, dienes, Numicon… And other objects.
- It allows children to visualise numbers and harder concepts they may not yet be ready to learn.

Pictorial

- After concrete, the next progression is pictorial, where physical resources are generally replaced with a pictorial representation.
- Essential for children to consolidate and secure their understanding of concepts before moving onto abstract.



Abstract

- With abstract, pictures are removed and replaced with numbers, symbols or key vocabulary.

+ - =

- For example, this could be:

5 + 2 =_____

Ways to support at home

- Little and often.
- Finding maths opportunities in everyday life- prices of items in shops, reading numbers on doors
- Play board games- Snakes and Ladders, Connect 4, etc
- Measuring things at home and using the correct mathematical vocabulary - heavy, light, more, less
- Counting in a variety of places – walking up steps, counting out cutlery for dinner, counting how many cars parked
- Key instant recall facts half termly sheet.

Key Instant Recall Facts - KIRFs

- Mathematical facts children need to recall instantly without aids.

	Year R
Autumn 1	I can count and read numbers from 0 to 5 and I can count back from 5 to 0 in order
Autumn 2	I can count and read the numbers from 0 to 10 and count back from 10 to 0 in order.
Spring 1	I know number bonds to 5.
Spring 2	I can use objects to show 1 more and 1 less than a number to 20.
Summer 1	I can recall doubling facts up to 5 and some facts to 10.
Summer 2	I can recall addition and subtraction facts within 5 and some up to 10.

Maths in action

Activities in class

Useful Websites

https://www.bbc.co.uk/cbeebies/topics/numeracy

https://www.topmarks.co.uk/

Songs on YouTube

Counting: https://www.youtube.com/watch?v=S84fcGdEULk

Doubling: https://www.youtube.com/watch?v=At0quRa90rs

2D Shapes: https://www.youtube.com/watch?v=pfRuLS-Vnjs

Adding and Subtracting: https://www.youtube.com/watch?v=0iMyzZDi4a4