Mathematics at St. Mary's RC Primary School

Year 1

Agenda

- An insight into Maths lessons in EYFS and Year 1.
- A brief explanation of methods that we use in Maths.
- An introduction into the new arithmetic test.
- Supporting materials and information on the website.
- A chance to ask questions and look at materials/manipulatives.

White Rose Maths

At St. Mary's, we use the scheme White Rose Maths to guide our teaching.

We use the scheme for guidance and teaching tips and we follow the 'small steps' and the curriculum breakdown that they recommend.

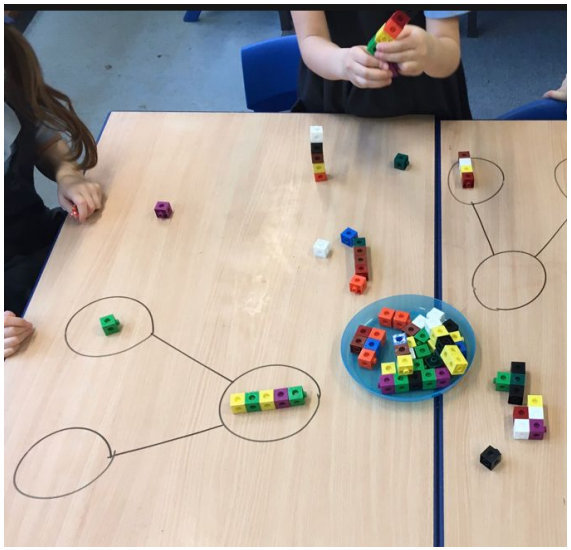
Addition and Subtraction

Step 1	Introduce parts and wholes
Step 2	Part-whole model
Step 3	Write number sentences
Step 4	Fact families – addition facts
Step 5	Number bonds within 10
Step 6	Systematic number bonds within 10
Step 7	Number bonds to 10
Step 8	Addition – add together
Step 9	Addition – add more
Step 10	Addition problems
Step 11	Find a part
Step 12	Subtraction – find a part
Step 13	Fact families – the eight facts
Step 14	Subtraction – take away/cross out (How many left?)
Step 15	Take away (How many left?)
Step 16	Subtraction on a number line

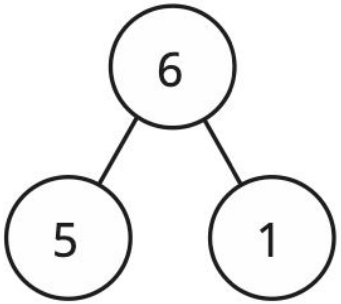
White Rose Maths

In all year groups, we follow the CPA approach to teaching Maths.

Concrete



Pictorial



Abstract

$1 + _____ = 6$

$_____ + 1 = 6$

$_____ = _____ + 1$

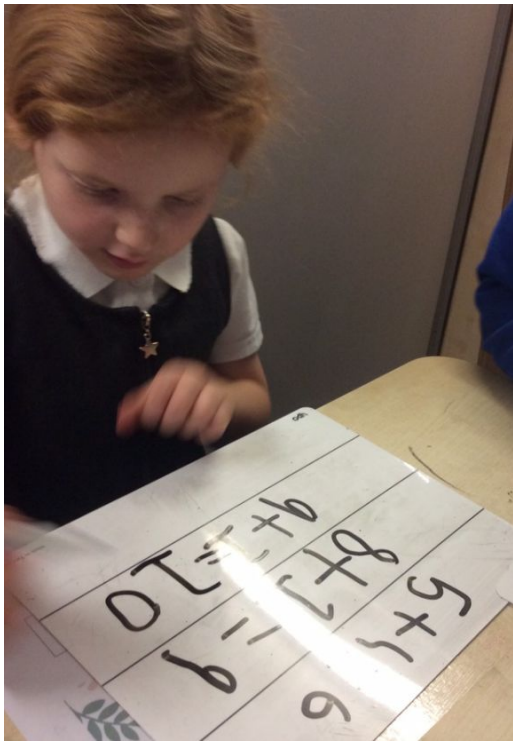
Maths in EYFS



Concrete



Pictorial



Abstract

Manipulatives and methods used in EYFS

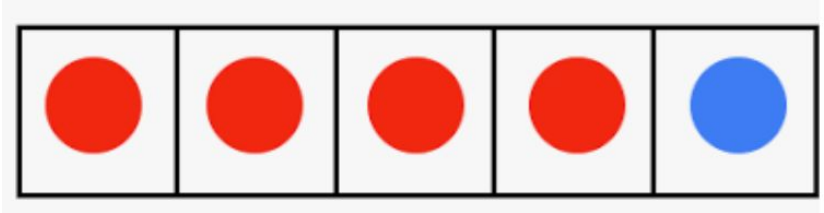
Numicon



Counters



5/10 frame



Transition from Reception to Year 1

Reception end of year expectations:

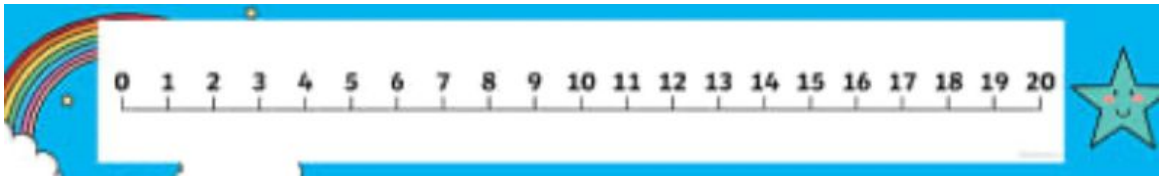
- Have a deep understanding of number to 10, including the composition of each number.
- Subitise (recognise quantities without counting) up to 5.
- Automatically recall (without reference to rhymes, counting or other aids) number bonds up to 5 (including subtraction facts) and some number bonds to 10, including double facts.

An example of Year 1 end of year expectations:

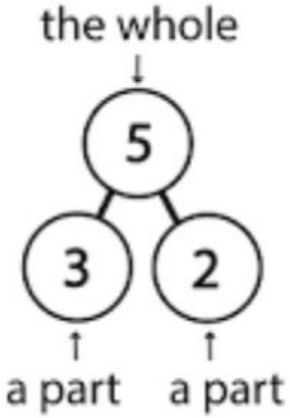
- Count, read and write numbers to 100 in numerals; count in multiples of twos, fives and tens
- Count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number
- Represent and use number bonds and related subtraction facts within 20

Methods used in Year 1

Number line



Part whole



Fast recall

Arithmetic

To improve arithmetic skills, we are introducing a weekly arithmetic test.

The test will take place on a Friday and it will consist of 5 questions.

The questions will be very similar each week as we hope that the repetition will improve memorisation.

This is a low stakes test and should not be anything that your child should worry about. We know that continual practice and retrieval is key and we think that this test is an effective way to help them.

Arithmetic test

The arithmetic questions will be stuck on a label underneath the spellings. They will also be posted on Dojo for you to see.

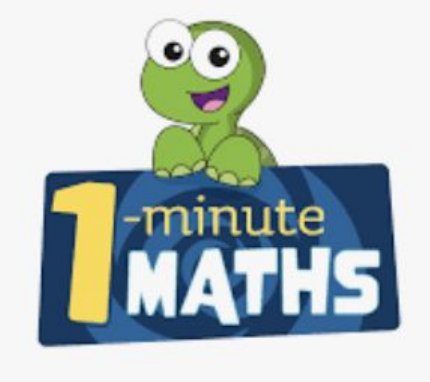
Questions that are incorrect will be circled for you to work on at home.

1. 1 more than 2 ____.
2. 1 less than 5 _____.
3. 1 more than 8 is _____.
4. 1 less than 1 is _____.
5. 1 less than 10 is _____.

Supporting Materials

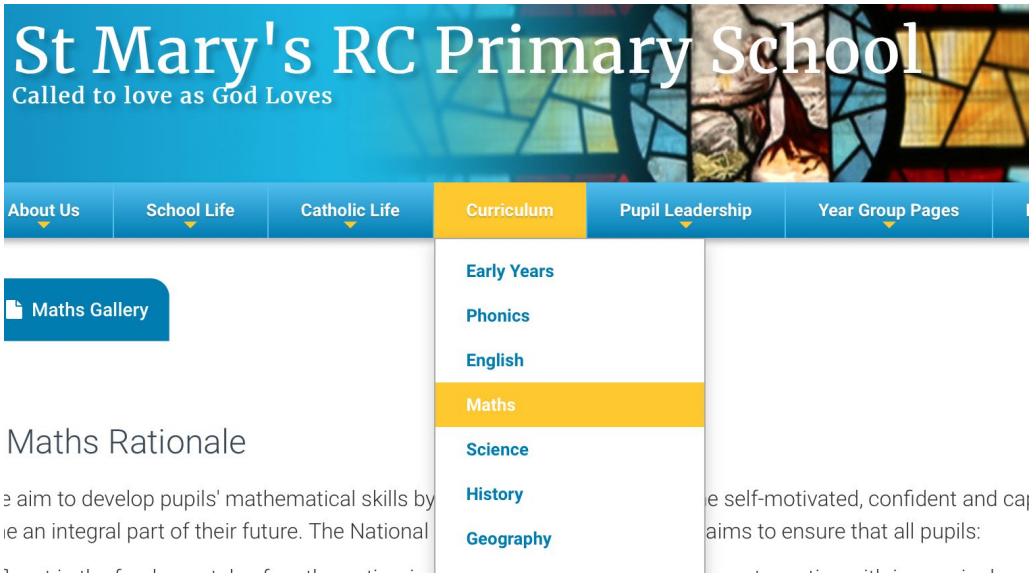


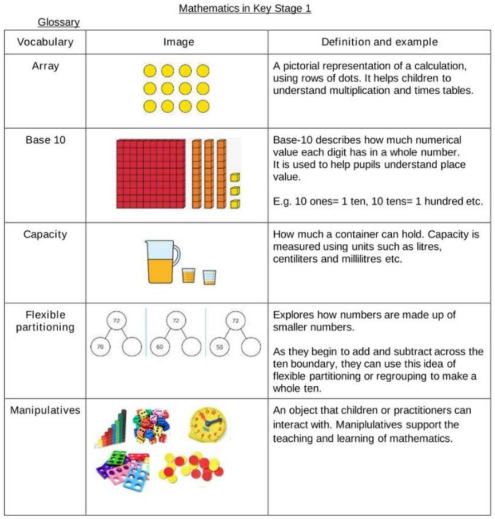
Numbots



1 Minute Maths
Available on the AppStore

School website





Mathematics in Key Stage 1

Glossary

Vocabulary	Image	Definition and example
Array		A pictorial representation of a calculation, using rows of dots. It helps children to understand multiplication and times tables.
Base 10		Base-10 describes how much numerical value each digit has in a whole number. It is used to help pupils understand place value. E.g. 10 ones= 1 ten, 10 tens= 1 hundred etc.
Capacity		How much a container can hold. Capacity is measured using units such as litres, centiliters and millilitres etc.
Flexible partitioning		Explores how numbers are made up of smaller numbers. As they begin to add and subtract across the ten boundary, they can use this idea of flexible partitioning or regrouping to make a whole ten.
Manipulatives		An object that children or practitioners can interact with. Maniplulatives support the teaching and learning of mathematics.

