RECEPTION MATHS WORKSHOP

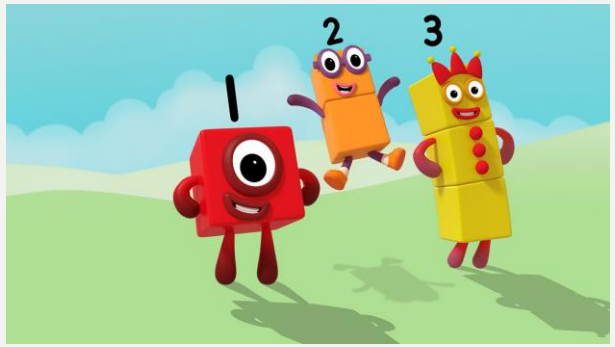
What does maths look like in Reception?

Every child is part of a 30 minute maths input a day.

Things we do in play:

- Integrate maths into interactions in every area of the classroom (inside and outside)
- Encourage maths in play
- Designated maths area where they can review and build upon taught skills as well as investigate mathematical concepts
- Small group interventions to extend and support learning throughout the year

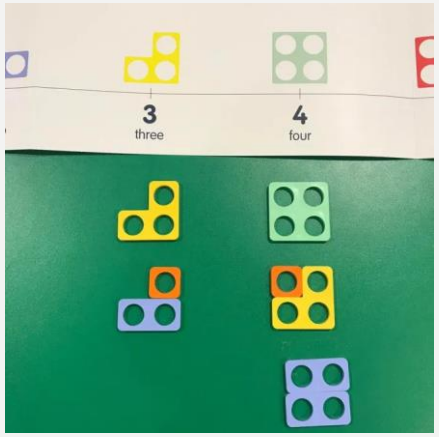
What does maths look like in Reception?

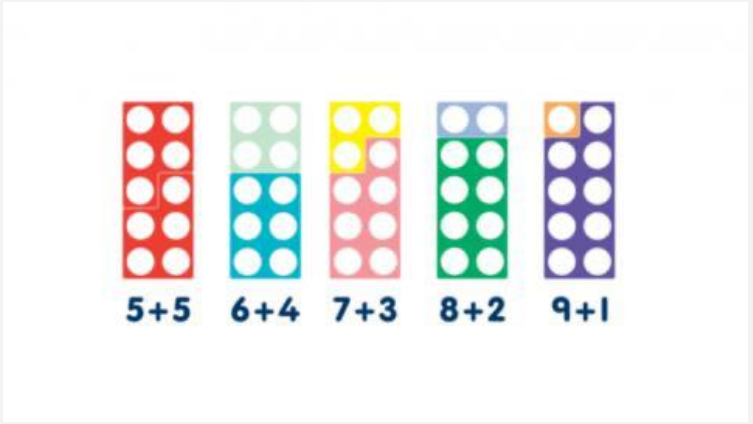


We teach using…

- Ten Town
- Number songs
- Numberblocks
- Ten frames
- Numicon
- Part-part-whole models
- Manipulatives

Throughout the day adults incorporate maths questions into play to develop understanding and reasoning.
This covers a much wider spectrum of maths including shape, pattern, measure etc…





What does my child need to know?

Number ELG

Children at the expected level of development will:

- 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.

What does my child need to know?

Numerical Patterns ELG

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.

How do we teach this in Reception?

We teach through a variety of strategies and methods.

- We teach strategies for calculation, understanding of number and key facts in whole class sessions.
- We ensure these are interactive and taught in a variety of ways so that the children get to practice and find strategies that work well for them.
- These are then reinforced in the environment during interactions and independent play as well as through maths songs and interactive games.

- We use manipulative (blocks, counters, cars, dolls etc…) as practical resources to help them with calculations and to understand concepts
- We then move onto visual representations
- We incorporate numerical formal methods alongside pictorial calculations
- We also use visual structures to help them visualise the numerical concepts - these will be built upon as the children progress through the school

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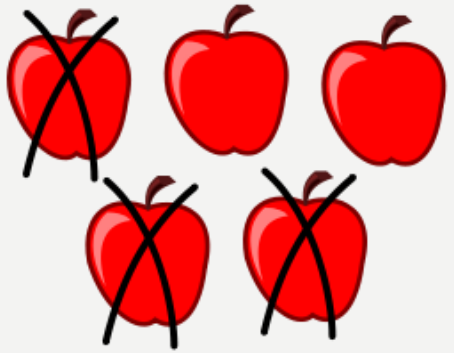
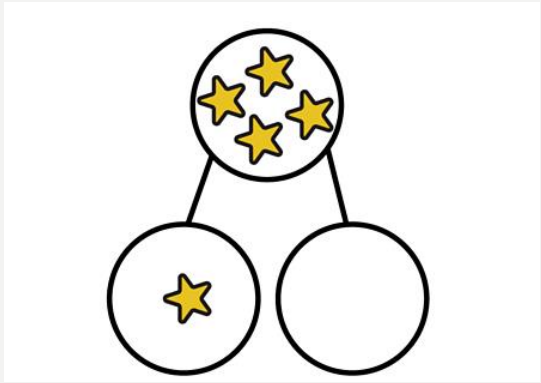


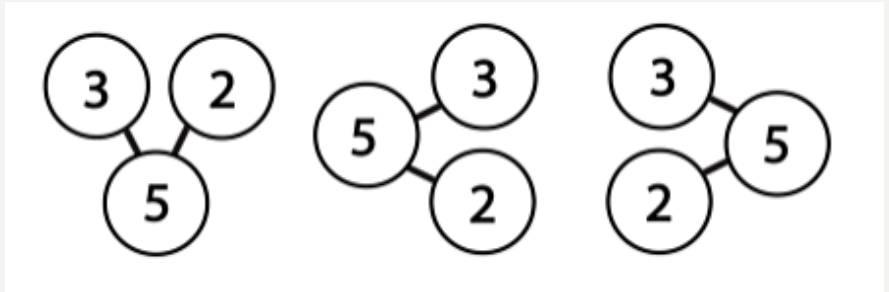
5 - 3 = 2

3 - 4 = -1

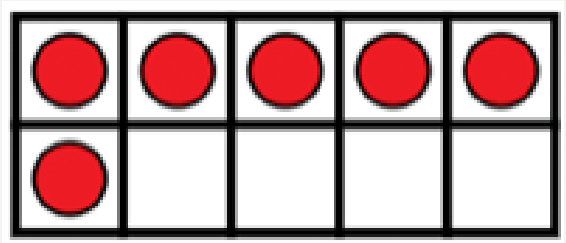
How do we teach this in Reception?

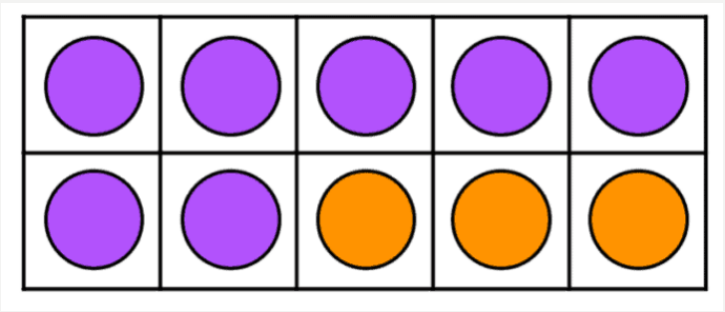
Part-part-whole model



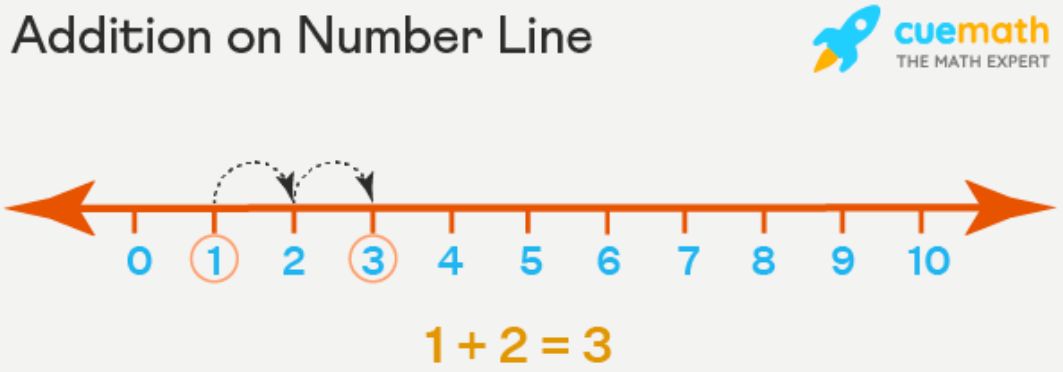


Ten frame





Number lines



How to help your child at home...
NUMBER AND COUNTING

How to help your child at home:

- White rose one minute maths app (free)
- Websites - cbeebies website, ICT games website
- Counting/discussion when in the local environment
- Including number/counting in evryday jobs
- Baking
- Making playdough
- Building towers with a set number of bricks
- Board games
- Dominoes
- Card games

PROBLEM SOLVING

How to help your child at home:

- Skittles – how many are left?
- Scoring games – how many do you need to win?
- Teddy bear picnic – how much food? Sharing, halving, doubling
- Solving problems in everyday – baking, checklists, shopping
- Sharing resources out between family members

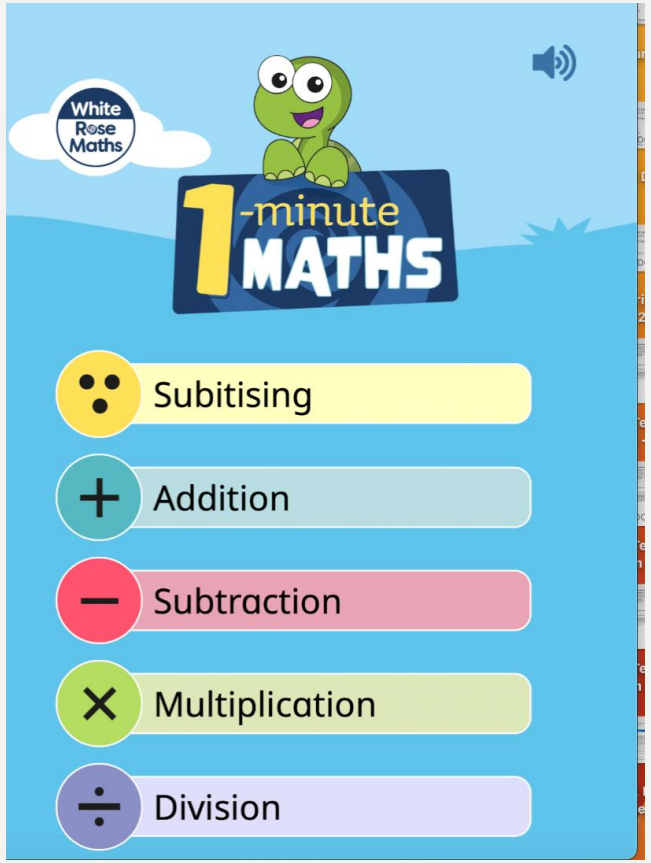
SHAPE, SPACE AND MEASURE

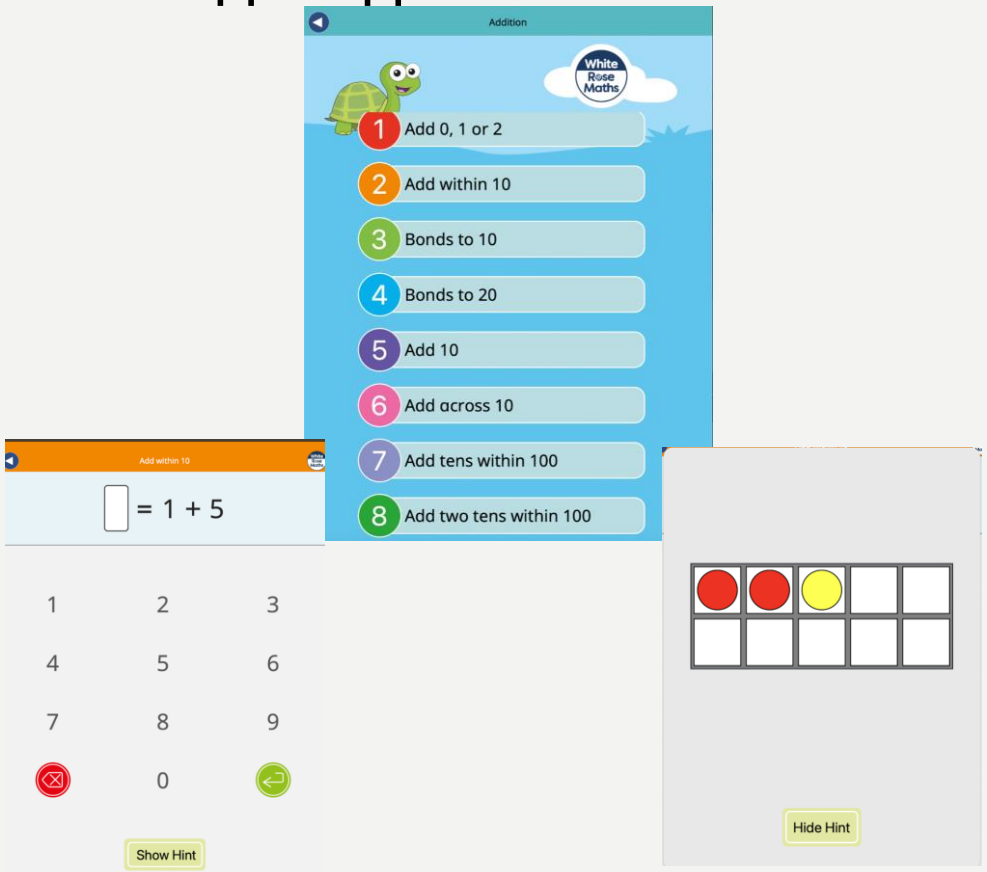
How to help your child at home:

- Measuring ingredients – playdough
- Playdough to make shapes
- Drawing/create patterns – what shapes have you used?
- Using non-standard units to measure objects in your house
- Height chart
- Handling coins – naming them
- Timing activities at home (stopwatch) – brushing teeth
- Puzzles
- Ordering toys – height, length

White Rose - 1 minute maths

Can download on Amazon Kindle, Google Play or the Apple app store





Subitising, addition and subtraction… just check the one they are going onto is addition and subtraction.

Ten Town Access

You have individual access to Ten Town at home. You will receive a letter with your child's individual log in detail.

This video will tell you more information about the Ten Town programme

https://youtu.be/XpJuh4Jq6sY

Please access via the ten town website… https://tentown.co.uk/