

Home Learning in Maths

INFORMATION FOR PARENTS: 1st October 2019





Aims

To explore how we teach maths in Reception.

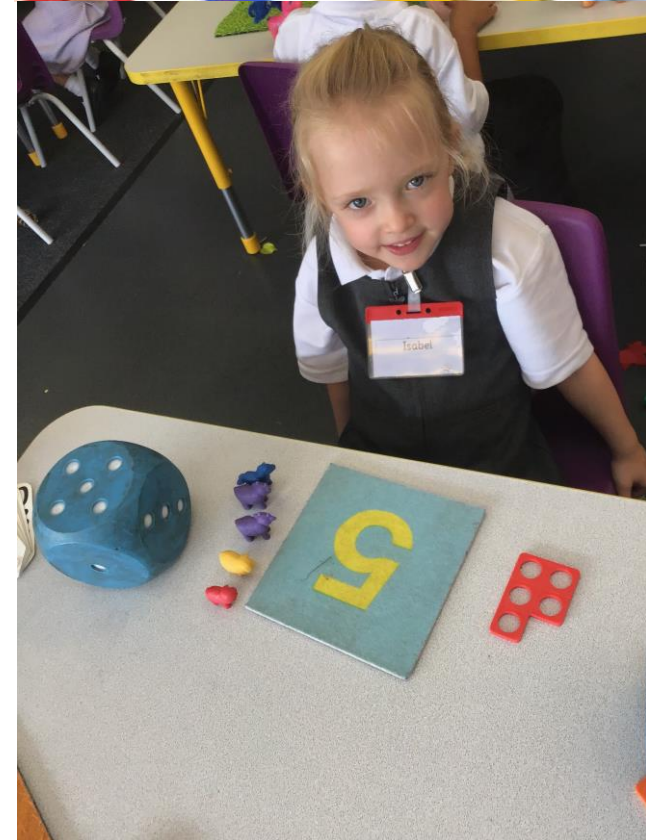
To look at different ways you can support your child with their learning.



Learning in Reception

By the end of reception your child should be able to:

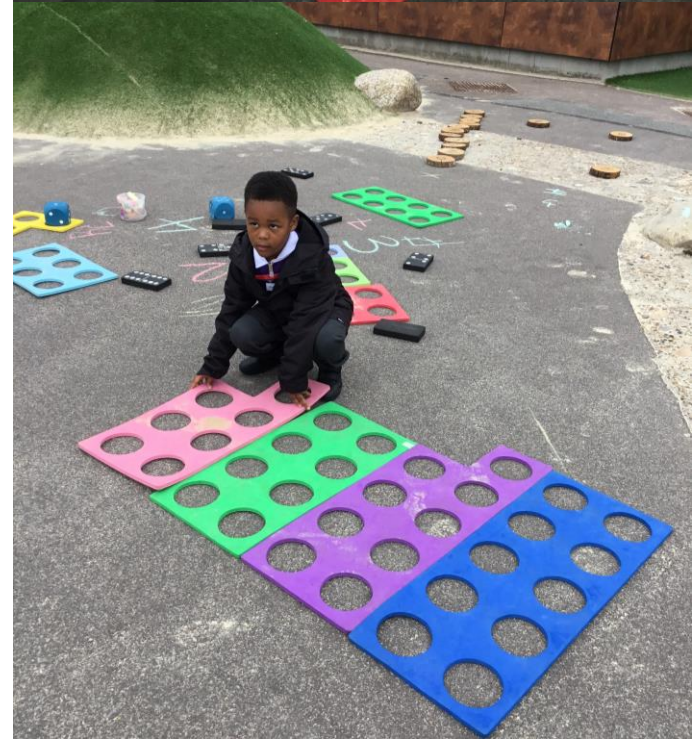
- Count reliably to 20
- Order numbers 1 – 20
- Say 1 more/1 less to 20
- Add and subtract two single digit numbers
- Recognise + and – signs
- Count on and back to find the answer
- Use everyday language for shape, size, weight, capacity, time and money
- Know and recognise the properties of 2D shape and begin to know 3D shapes
- Double, half and share in practical activities
- Write numbers to 10 correctly
- Use simple apparatus e.g. numicon, unifix cubes, number lines
- Recognise 1p, 2p, 5p, 10p coins



Vocabulary

When we teach maths in school it is vital to use the correct vocabulary. Some vocabulary used is every day language, such as more or less. Other vocabulary is more specialist and is used when we are teaching:

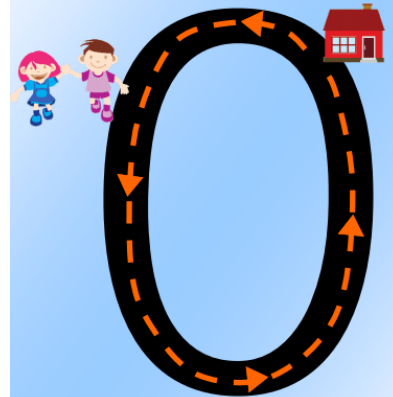
- Numeral
- Digit
- Tens
- Odd
- Even
- Double
- Half
- Compare
- Heavier
- Lighter
- Fewer
- Greater



Number Formation

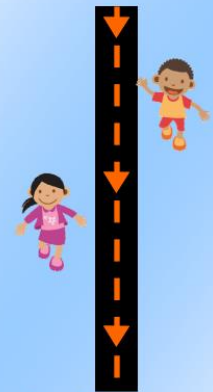
- Supporting your child with the correct number formation is an easy way to help them develop confidence with maths.
- Try writing the numbers in sand, mud, rice or using a range of mediums such as paint or chalk.
- Teaching children rhymes is an easy way to help them remember how to form their letters

Around and round and
round we go,



When we get home we
have a zero.

Start at the top and
down we run,



That's the way we
make a one.

Maths at Home

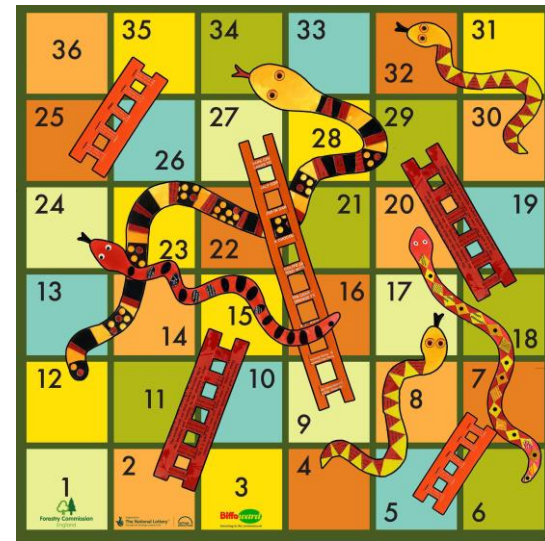
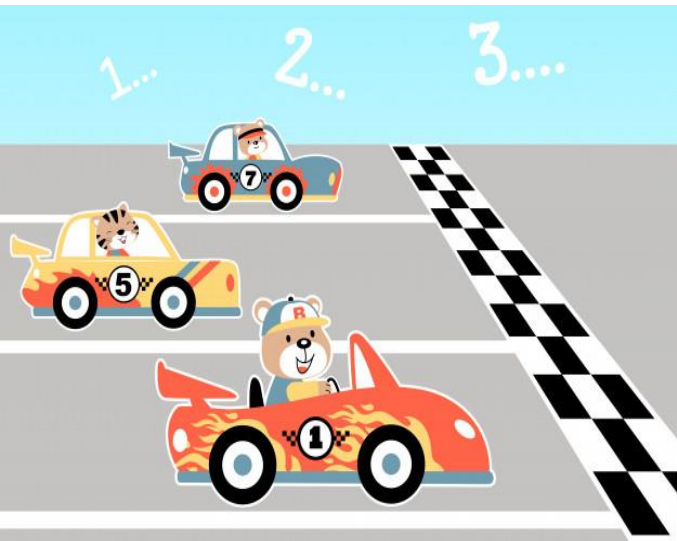
Supporting your child to develop a love of maths at home is simple and fun. Everyday objects can be used as well as numbers in the world around us:

- When cooking dinner try asking your child to count how many pieces of pasta each person might need. By touching each piece as they count it out they are using 1 to 1 correspondence and developing counting skills.
- A great way to develop number recall is to read digits on number plates or doors.
- Spotting different shapes in the world around us is an effective way to develop understanding of 2D shape.
- Even better still get your child to help with the laundry. Ask them to help you by matching up socks as this helps begin to develop the concept of doubling.
- Cooking including baking and following recipes is a fantastic way to bring number to life.



Maths at Home

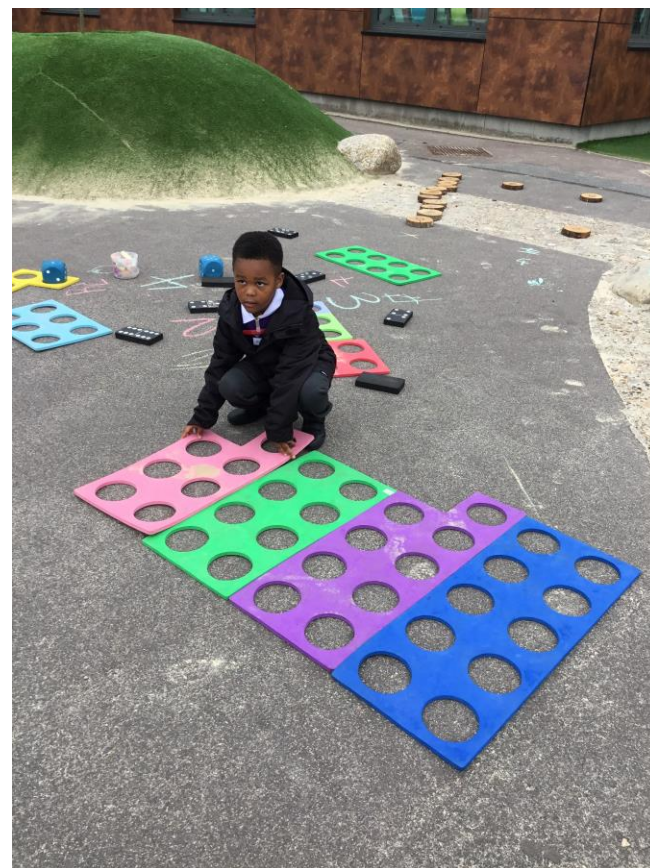
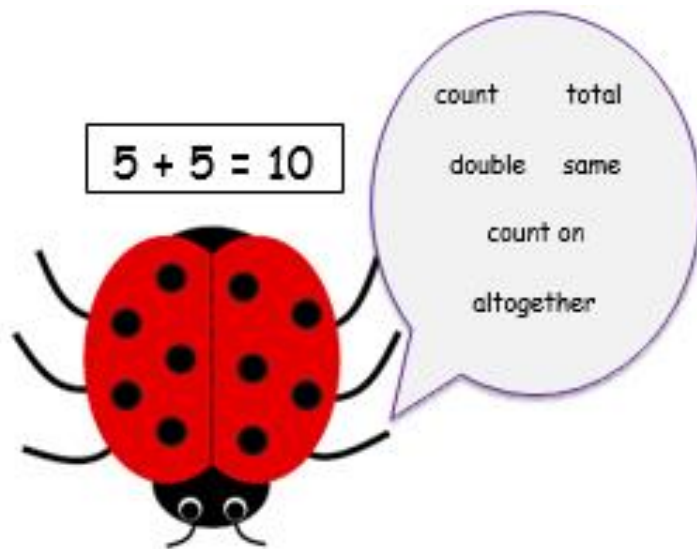
- Traditional board games such as Uno, Snakes and Ladders, Bingo, building with Lego and even the cards that Sainsbury's are giving away provide a wealth of mathematical activities. They encourage the development of number recognition, addition, colour recognition, pattern and shape.
- When you are at the park try having a race. Ask your child "Who came first, second or third?"
- Giving your child 'pocket money' using physical money can help to develop their familiarity with commonly used coins.
- When you are at the shops provide your child with some spare change and ask them help pay or read how much money items cost to purchase.



Home Learning

- From the start of Spring term your child will receive a maths pack every other week, these are fun practical games and activities you can play at home to support your child with developing a love of maths.
- When you work with your child at home to best support them ensure that you use the suggested key vocabulary and activities provided as prompts.

Example:



Maths skill: Ordering numbers

Other skills involved: counting, number recognition



1	2	3	4
5	6	7	8
9	10	11	12
13	14	15	16
17	18	19	20

Activities to have fun with:

1. Practise saying the numbers on each number card.
2. Place the number cards in order starting with 0 up to 20.
3. Place the numbers in reverse order from 20-0 once they are confident with ordering to 20.

Key vocabulary

- Count
- One more
- One less
- Amount
- Number

Key questions

- Which number is one more than 4?
- Which number is one less than 3?
- When we count which number do we start with?

Contents

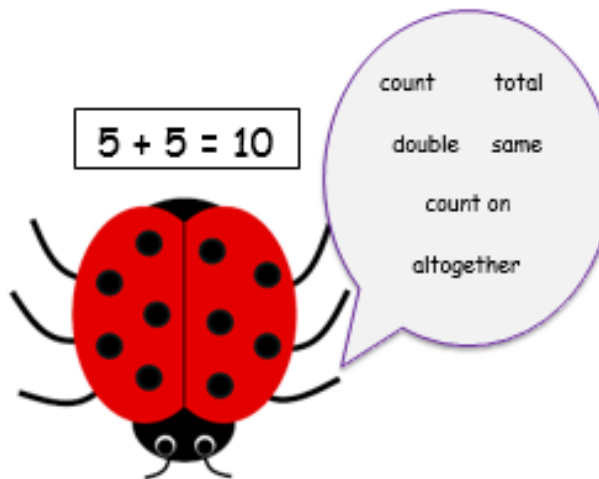
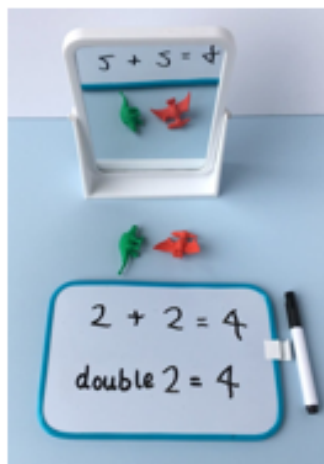
- Prompt card
- X1 set of number cards from 0-20.

Maths skill: Doubling and solving problems

Other skills involved: number recognition (to 20), counting objects (to 20) adding (more/less) Symmetry

Contents:

- Ladybird Doubles Mat
- Numicon Number line to 20



Activities



1. **'Mirror Doubles'** Give your child a small mirror to hold or stand in front of. This is their magic mirror double. Ask your child to hold 1 finger in front of the mirror. How many fingers can they see? Can your child see their fingers **double** in the mirror? Now try with more fingers and small objects.
2. **Can you match me?** Hide your hands behind your back. Pull out your hand quickly and show a number of fingers to your child e.g. 4 and say 'Can you match me?' Extend by asking your child to **count** the fingers on their own hand and yours to find a total. Now try with small objects,
3. **Ladybird Doubles** fill a bowl with small objects or cereal e.g. cheerio's. Give your child the ladybird doubles mat. Explain that ladybirds have the same number of spots on each side. Ask your child to start by placing 1 object (spot) on 1 side of the ladybird. Can your child double 1 by placing a second object on the other side to make it symmetrical? Ask your child to count the total and then say the sentence out loud $1 + 1 = 2$. Extend by asking your child to write a number sentence for each double fact.

Number songs utube

Dream English Numbers Song Lets Count 1-10 New Version
Dream English Lets Count to 20 Song for Kids

Maths skill: Passing of time

Other skills involved: Understand of the World, PSED, Communication and language



This activity is a good way to familiarise children with vocabulary associated with the passing of time.

Activities to have fun with:

1. You could put the pictures into an order in which you think they might happen throughout a day.
2. You could suggest what time these things happen in your day.
3. You could see how many hours might pass between pairs of pictures you have chosen.

Key vocabulary

- Morning, afternoon, evening
- First
- Next
- O'clock
- Before, later

Key questions

- What is happening in the picture?
- Which picture comes first? How do you know?
- What time of day would this event happen?

Contents

- Prompt sheet
- Picture cards



Challenge

- If you wish to challenge your child further consider using a wider range of mathematical vocabulary, for example introducing the concept of telling the time focussing on o'clock.
- You could also support your child to count and share in 2s, 5s and 10s in a practical way to solve problems.
- Topmarks is a fantastic website for games which can be played on both phone and tablet, and it is accessible for all ages.

