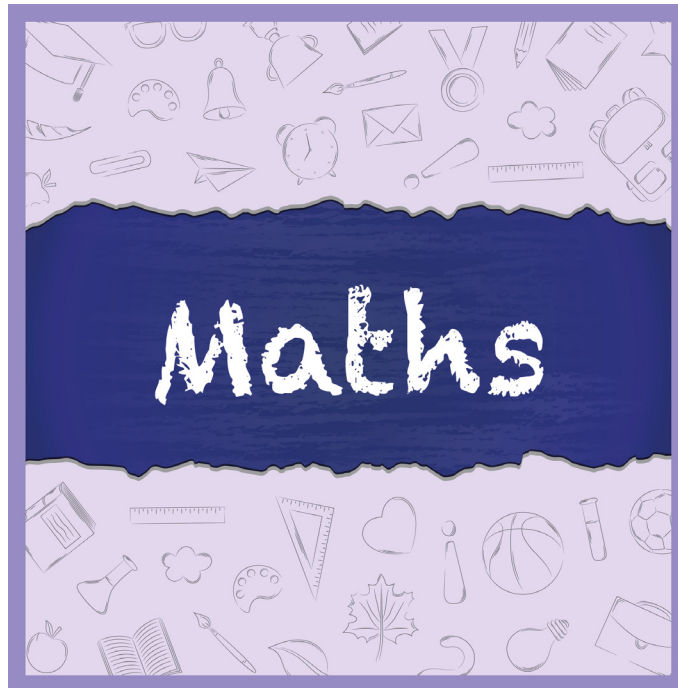




PLANNING TOGETHER. LEARNING TOGETHER.

YEAR 2

Maths at home for Parents and Carers
Place value and addition and subtraction



This short leaflet covers the **Core Concepts** and ideas that your child will need to know this year.

You will find suggestions for games to play, activities to do and websites to access to support you, as your support your child.

'Catch-up Funding'
offer for schools



Website and links

Key learning

- <https://whiterosemaths.com/parent-workbooks/#year2>
- <https://mathsbot.com>
- <https://classroom.thenational.academy/subjects-by-key-stage/key-stage-1/subjects/maths>

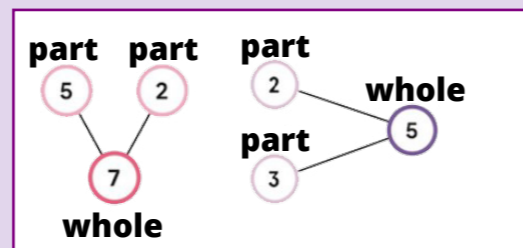
Equipment

Many of the activities included in this helpful leaflet will not require any special equipment. If you have access to online resources this will be useful but not essential when supporting your child.



Maths words & phrases

- A **digit** - 0, 1, 2, 3, 4, 5, 6, 7, 8 and 9 are the ten **digits** we use in everyday numerals. Example: The numeral 153 is made up of **3 digits** ("1", "5" and "3").
- The position (place) of a digit in a number determines its value. Hence the term **place value**.
- When a calculation can be completed either way, we say it's **commutative**. **$3 + 7 = 10$ and $7 + 3 = 10$**
- **Number Bonds** are the addition of 2 numbers that add to a third number.
- The image on the right is called a **part-whole model**.
- The **sum** of $5 + 4$ is 9.



Key Learning 1

- Know that 10 ones are equivalent/the same as 1 ten.
- See how each two digit number can be partitioned into a tens part and a one.

GAMES & IDEAS



- Group objects into groups of 10. Use pasta shapes, Lego, straws, pencils etc. Count in 10s.



- Combine 1 group of 10 with 4 single objects. What number have you made? Write the number .
- Add another single object. What number do you have now? Write the number.
- What do you notice? What's the same? What's different?



- Use some paper or a white board. Draw a line on it.
- Mark the beginning with 10 and the end with 20. Where would 15 go?
- Where would 18 go? How do you know?



- Make a number with 2 playing cards, read the number, write the number.
- How many tens does your number have? How many ones?
- What number comes next?



- If I choose 2 cars what numbers could I make?
- Which is the biggest? E.g. I choose a 6 and a 2 which means I could make 62 and 26.

GAMES & IDEAS



- Search the house for numbers and write them down.
- Can you see a number greater than 20?
- Describe the numbers you have found.



- Play guess my number. I'm thinking of a number. It has one ten and 4 ones.
- What is my number?

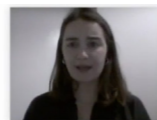


- If you would like to watch a teaching video about numbers within 100 here is a link: <https://bit.ly/34G2Rpn>



- If you are reading this document online, simply click on the image.

Brain Teaser



What do you notice about how the fruit has been grouped together?

Key Learning 2

- Adding two numbers together can be done in any order.
- When adding 3 numbers together it's helpful to look for number bonds.

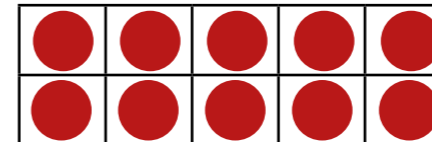
GAMES & IDEAS



- Count out 10 objects. Put the objects into 2 piles on a whiteboard or piece of paper.
- Draw a circle around the first set. Count them. Write how many underneath.
- Draw a circle around the second set. Count them, write how many you have underneath.
- Place an + sign between the 2 numbers. Write a number sentence e.g. $3 + 7 = 10$.
- Swap the two amounts around. Do you still have 10?
- Does it matter what order you write the number sentence in?



- This is a ten frame:



- Click on this link to watch a demonstration on how to use a ten frame. <https://bit.ly/3IHHomv>



- Make a drawing of a ten frame. Place Lego or counters in the spaces. Use 2 colours. See how many ways you can make 10.
- These are number bonds. It would help your child if worked on these regularly.

GAMES & IDEAS



- Can you think of a different word for add?
- How else could we explain the number sentence? 3 plus 7 gives me a total of 10.
- If I add 3 object and 7 objects together, I would have 10 objects altogether.



- Play 'Shut the box'. You and your child lay cards 0-9 out in front of them.
- Take turns to roll 2 dice, find the sum of the dice and turn over that total on your cards, for e.g. if you roll a 5 and a 6, you could turn over a 9 and 2, 8 and 3, 7 and 4, 6 and 5.
- The winner is the first to turn over all of their cards.



- How many ways can you make 5? 6? 7? 8? 9? 10?
- Use counting objects or draw pictures.



- Can you make 9/10/11 etc. in lots of different ways using 2 sets of objects?