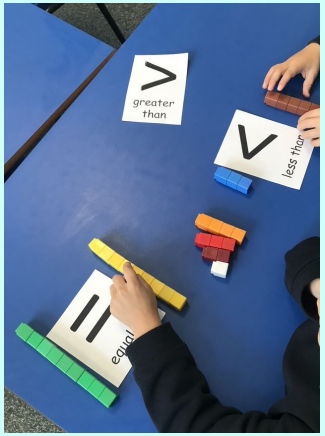
Welcome to the Early Years Maths Parent Workshop

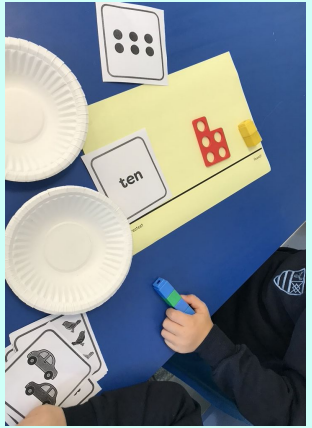


Maths in Action at Wimbledon Chase





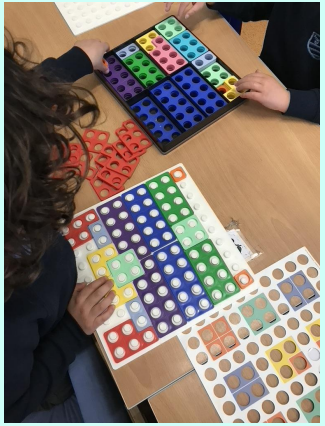


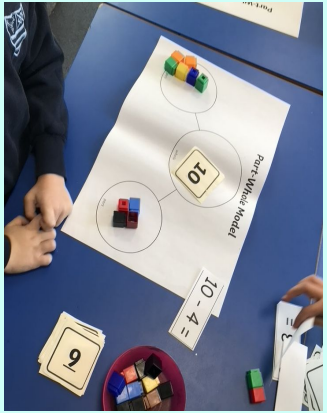


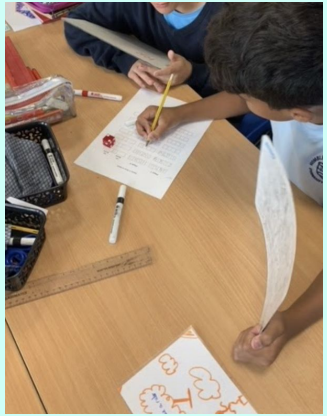




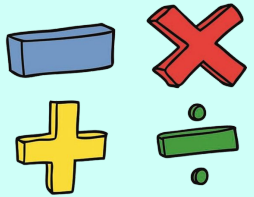








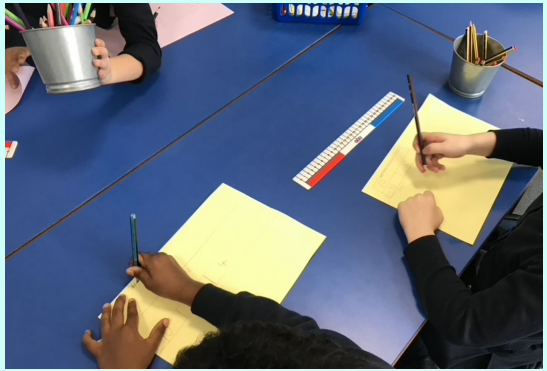
What is Maths Mastery?



- Maths Mastery is a way of teaching maths that enables all children to acquire a **deep, secure and adaptable** understanding of the subject.
- At Wimbledon Chase, maths is taught this way from **Nursery through to Year 6**.
- Maths Mastery focuses on **depth of understanding** rather than **speed** in order to give pupils the best chances of mastering maths.
- Achieving mastery means to have a solid enough understanding of the maths taught to enable children to move on to more advanced material.

What does it mean to ‘master’ something?

- I know how to do it
- It becomes automatic and I don’t need to think about it, for example, driving a car
- I’m really good at doing it
- I can show someone else how to do it



“In mathematics, you know you’ve mastered something when you can apply it to a totally new problem in an unfamiliar situation.”

Dr. Helen Drury, Director of Mathematics Mastery

Positive/ Growth Mindset

Resilience and perseverance are two key skills that are regularly referred to in maths lessons across the school.

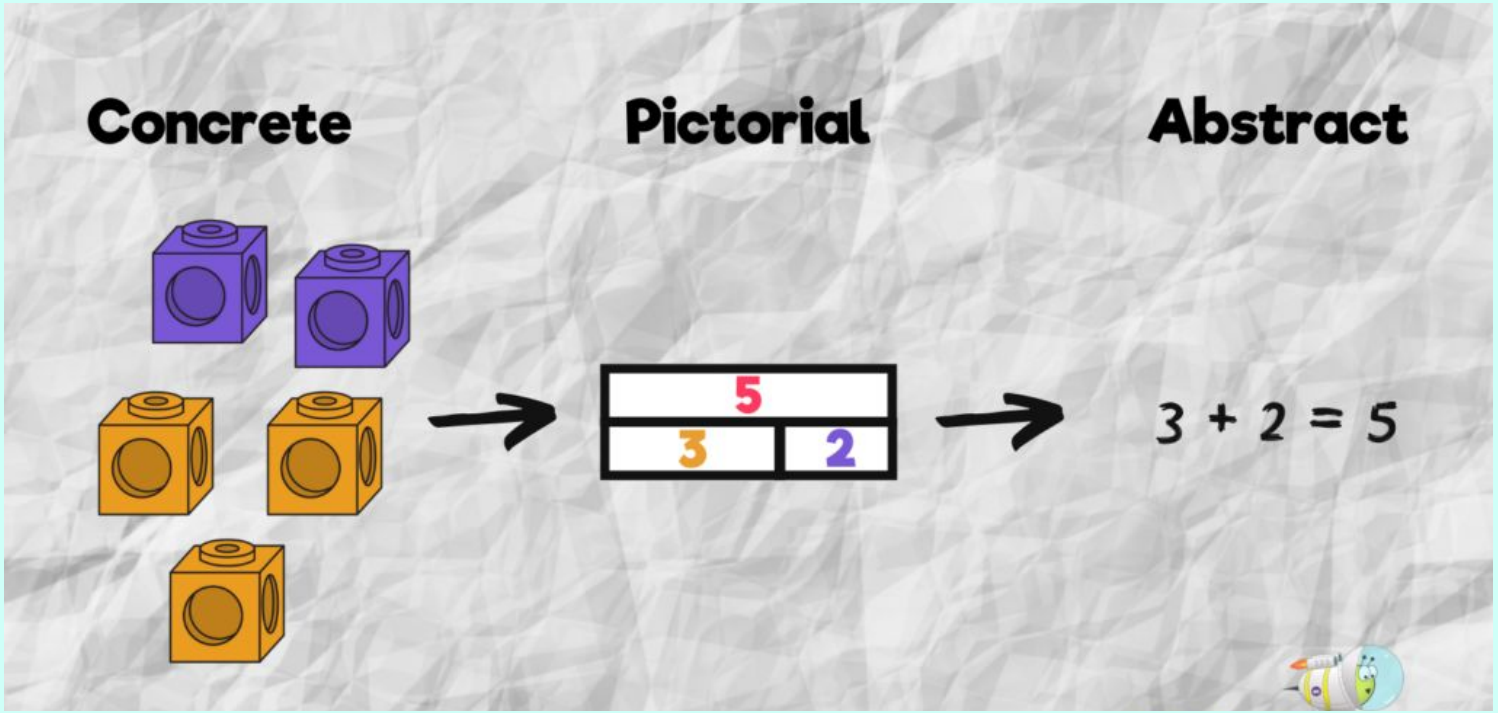
Teachers are constantly reminding children to experiment, have a go and try their best - even if they are unsure.

We have regular conversations about the importance of learning from our mistakes and being resilient when things get a bit tricky.



Golden Rule: We try our best and learn from our mistakes.

We use the CPA approach in maths.



Reasoning and Problem Solving

Once children have gained a secure understanding of different concepts, they are then challenged through a reasoning or problem solving question which will encourage them to think more deeply and critically about a concept. The children are encouraged to make connections with previous learning.

Here is an example



The farmer can see 6 legs in the barn.
Who could be in the barn?



Mastering Number (Reception and KS1)

It's designed to ensure that *all pupils* build a strong foundation in maths by developing what's called **"good number sense."**

What the programme involves

- **Short, daily sessions** focused specifically on number (in addition to the main maths lesson)
- A strong emphasis on **deep understanding over speed**
- Carefully sequenced activities that help children:
    - **Subitise** (recognise quantities instantly without counting)
    - Understand how numbers are **composed and decomposed** (e.g. 5 = 3 + 2)
    - **Compare quantities** (more, less, equal)
    - See **relationships between numbers** (patterns, connections)

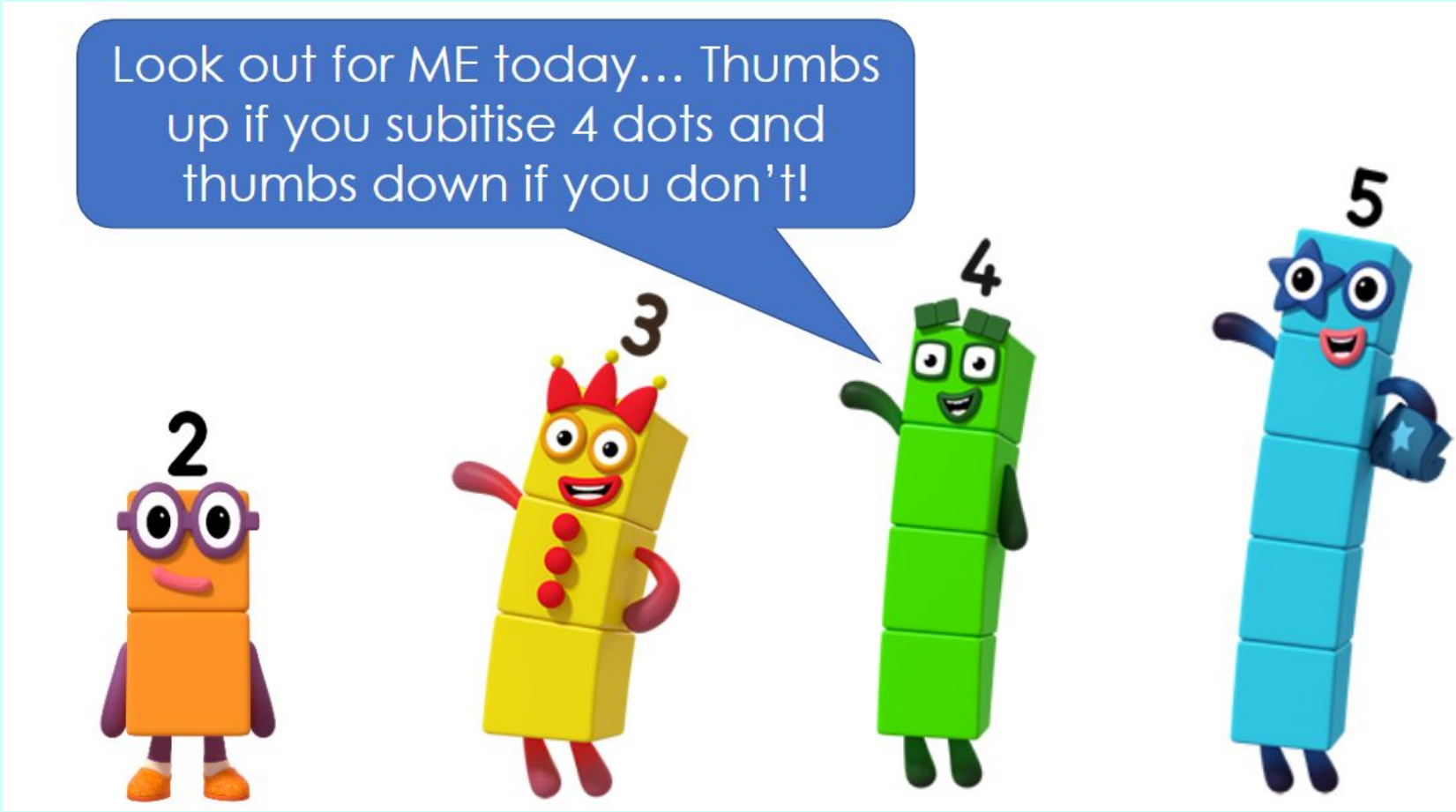


Why it matters

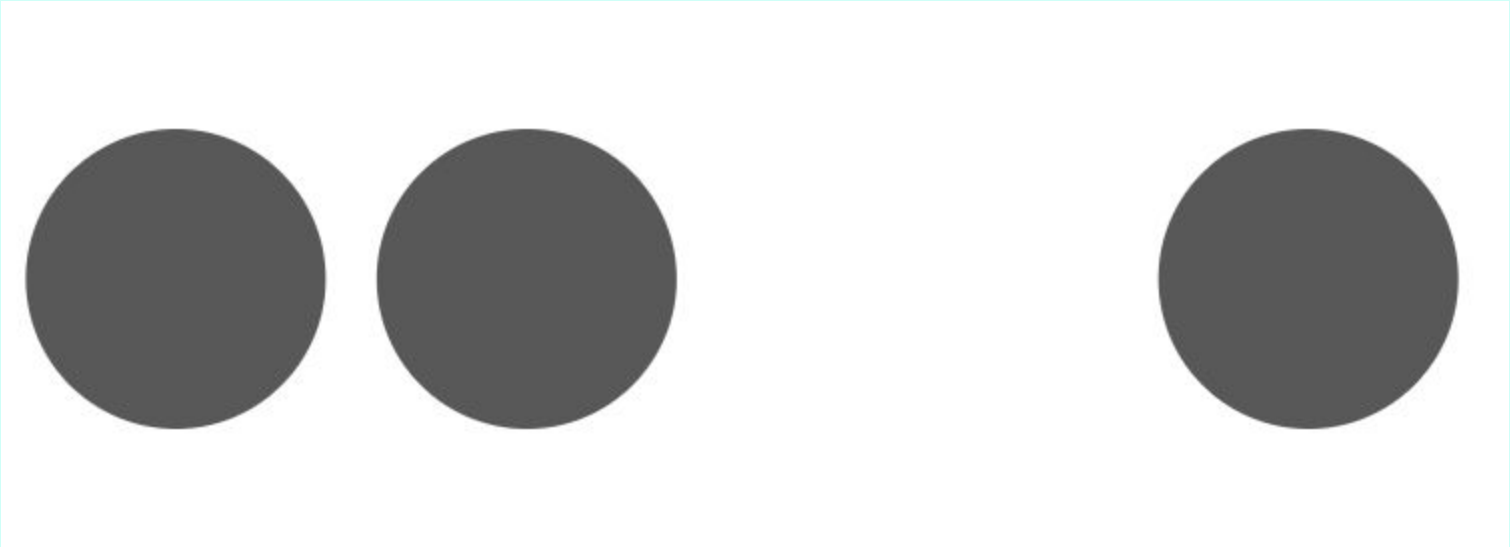
By focusing on secure number understanding early on, the programme helps children:

- Become **fluent with number facts within 10**
- **Calculate efficiently and accurately**, including bridging across 10
- Build the confidence and skills needed for **later maths success**

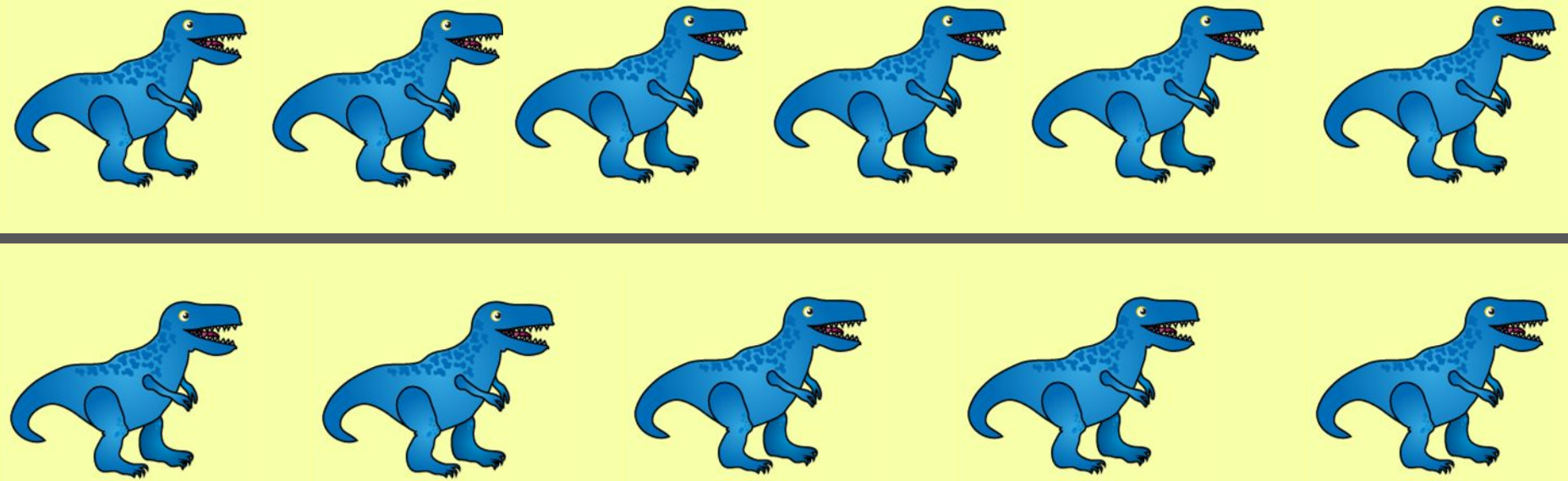
To find out more visit NTCEM website Teaching for Mastery


Look out for ME today… Thumbs up if you subitise 4 dots and thumbs down if you don't!
2
3
4
5

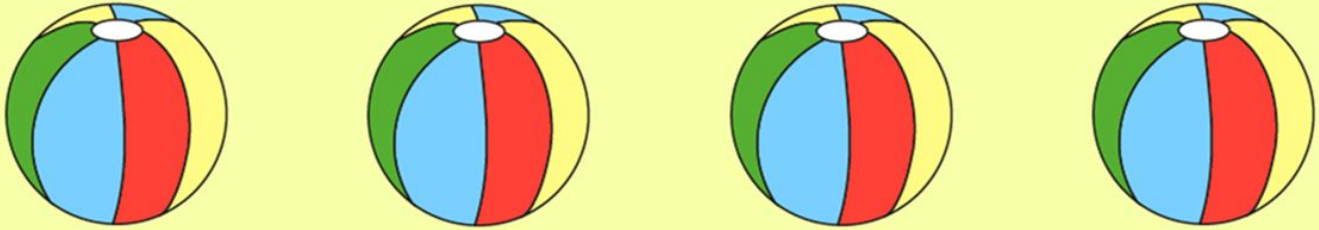




Equal or NOT equal?



Equal or NOT equal?

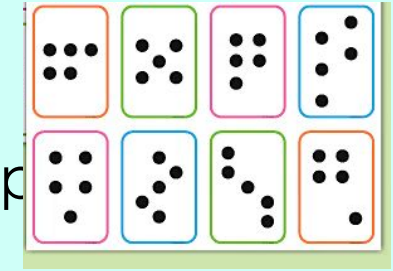




Number ELG

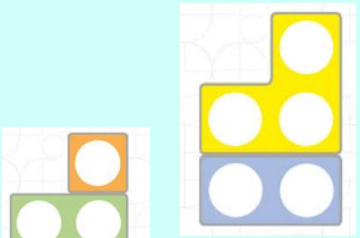
Children at the expected level of development will:

- Have a deep understanding of number to 10, including the composition of each number (a number is made up of 2 or more smaller numbers)



- 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.



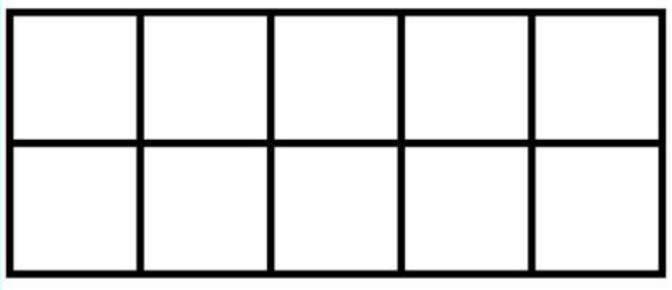
Patterns ELG

Children at the expected level of development will:

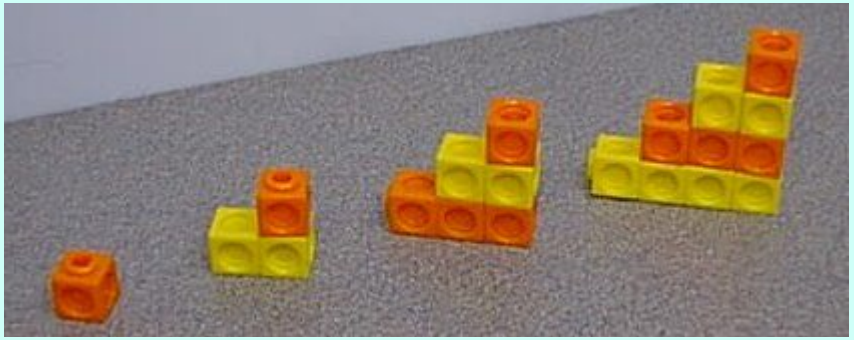
- Verbally count beyond 20, recognising the pattern of the counting system;

- 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.

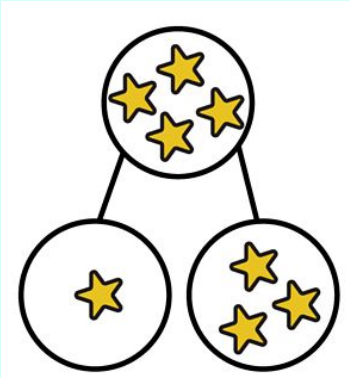


Tens frame - often used with counters

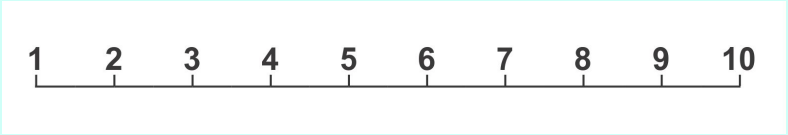


Multilink cubes

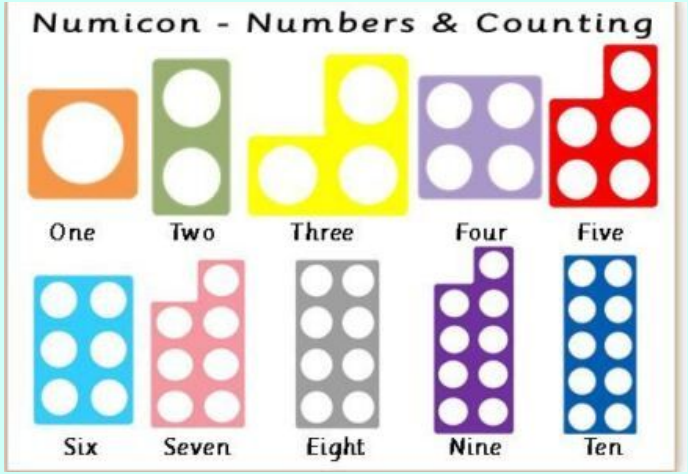
Resources



Part-part whole



Number line



Games

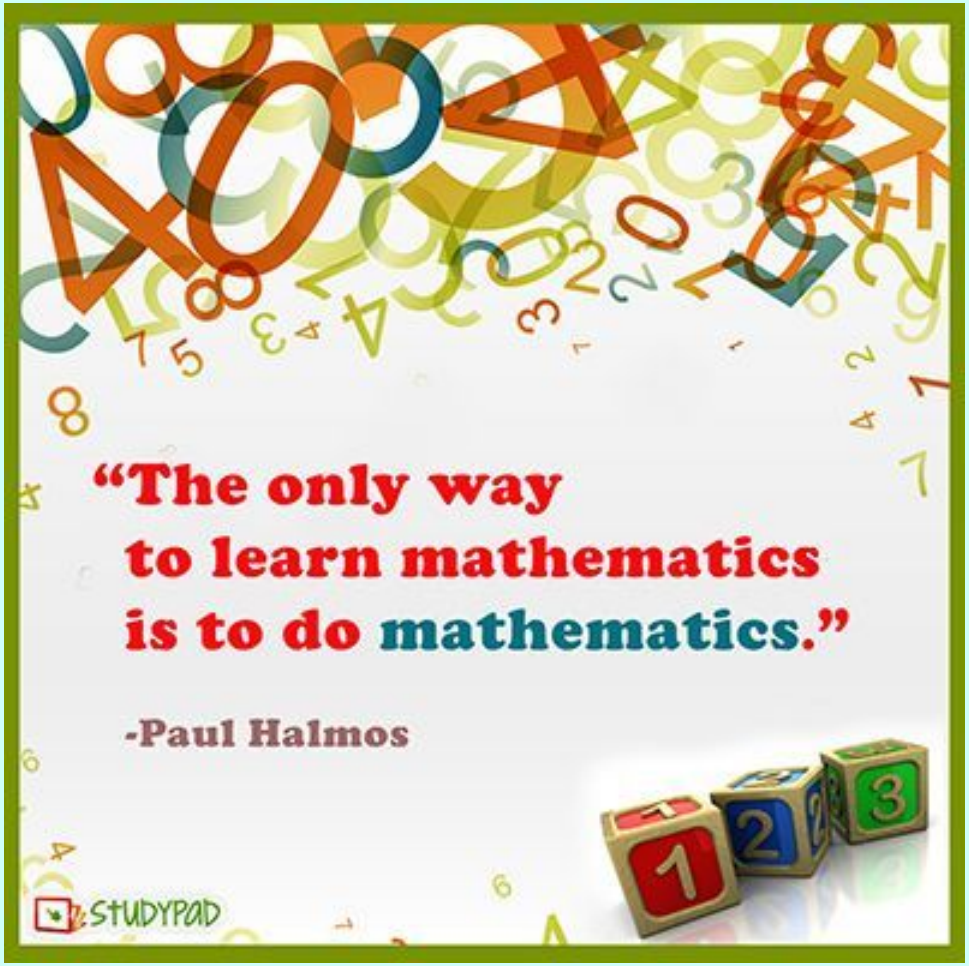












Go and have fun!