

How do **you** feel about maths?



'I was always terrible at maths'



Why is maths important?

- Manage your money – financial independence
- Get the best deals e.g. bogof and find totals
- Get the right change in a shop
- Follow a recipe
- Confidence
- Health and wellbeing
- Decision making and Problem solving

Maths Mastery at Leap

- **Deep understanding**
- **Reason mathematically**
- **Calculate fluently**
- **Solve problems**

C-P-A

Concrete

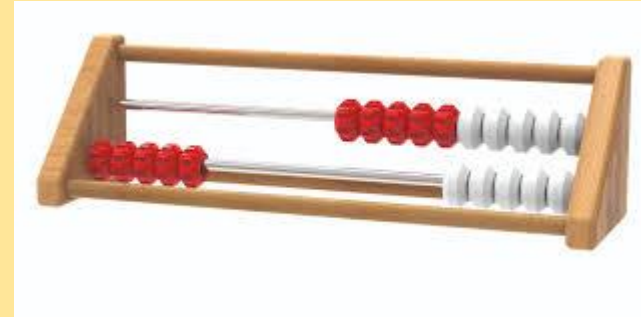
Pictorial

Abstract



$$1 + 1 = 2$$

Concrete Resources at school



Fluency and Key Learning in Early years & Year 1

- Count forwards and backwards (not just in ones)
- Recognise numbers
- Know how big
- Addition and Subtraction of small numbers

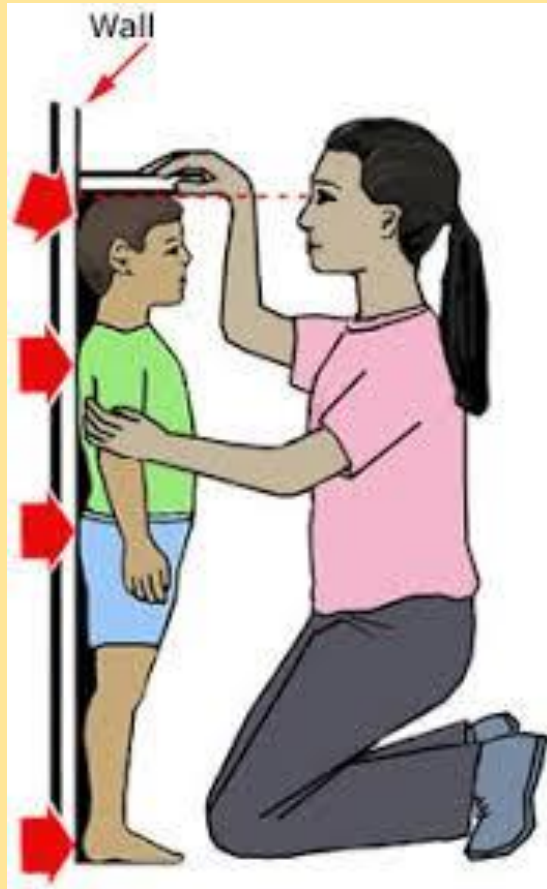
Counting – chanting v one to one



Recognise Numbers all around us



Measure

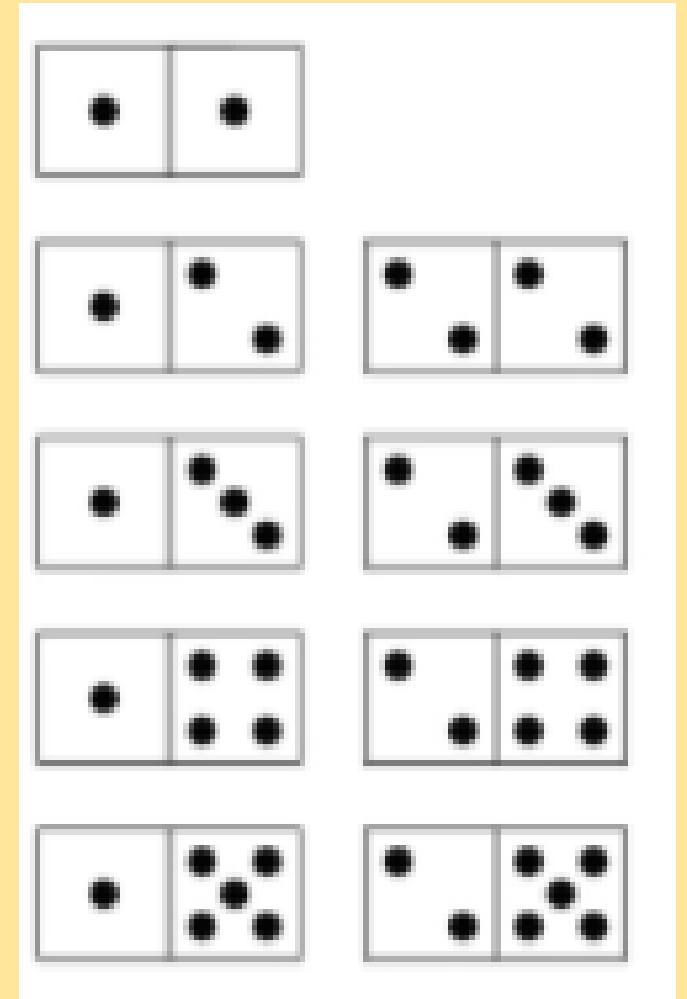
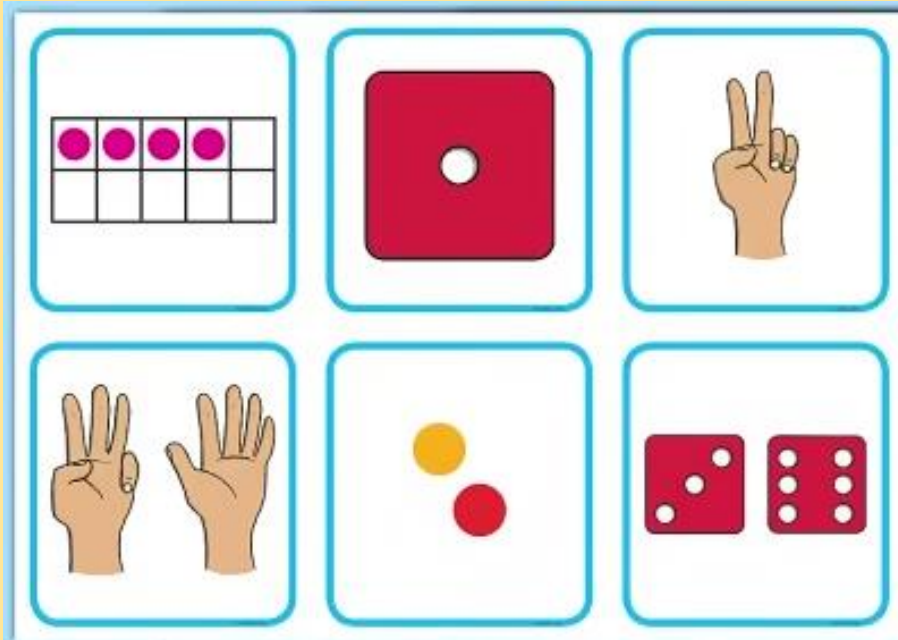


Metric v imperial

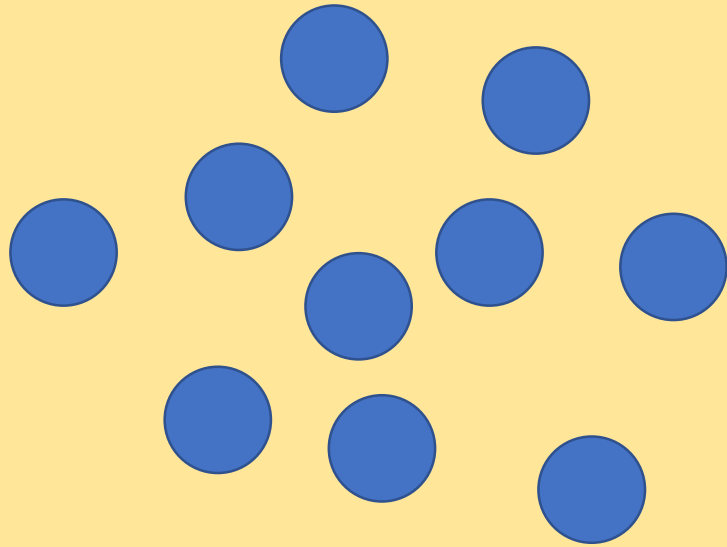
Calculating and Subotising

- fingers, dice, dominoes,
- Try this

<https://www.youtube.com/watch?v=p62sssP8zdk>



Estimating



Fluency with small numbers

- Link to objects & pictures
- Number bonds up to 10 then to 20

$$3 + 2 = 5$$

$$1 + 4 = 5$$

$$5 = 3 + 2$$

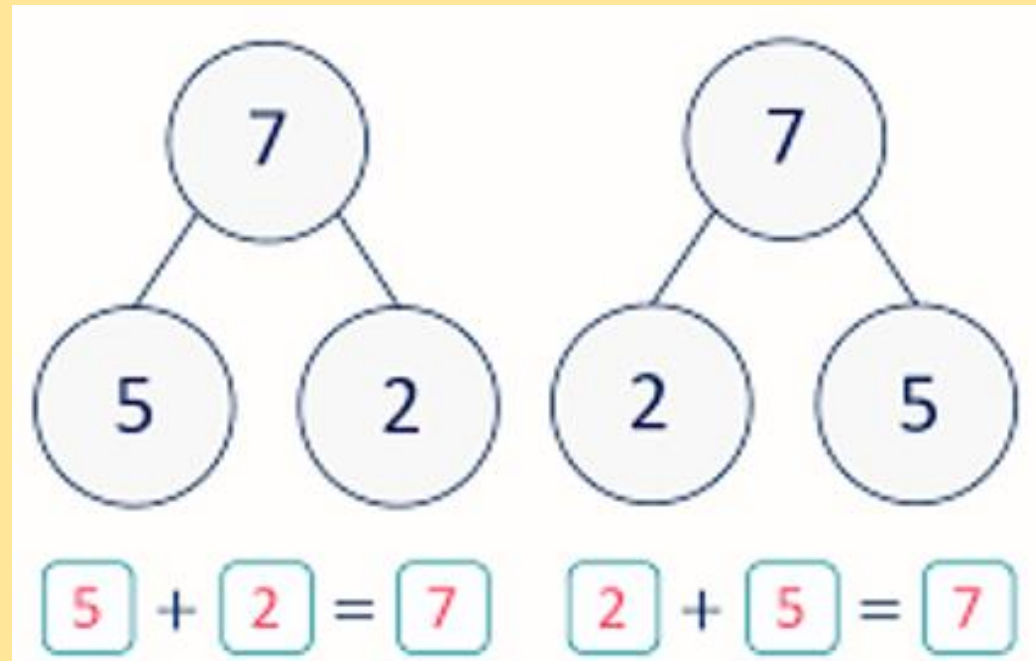
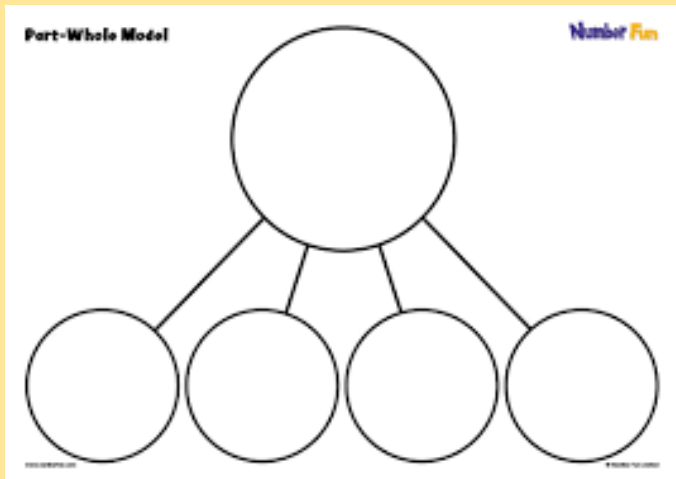
$$5 = 1 + 4$$

Fluency with small numbers

- Number bonds up to 10 then to 20

$$5 + 2 = 7$$

$$2 + 3 + 2 = 7$$



Part-part-whole model

Fluency in Addition and subtraction

$$5 + 2 = 7$$

$$7 - 2 = 5$$

$$50 + 20 = 70$$

$$70 - 20 = 50$$

$$55 + 2 = 57$$

$$77 - 2 = 75$$

Telling the Time



Count in 2s, 5s and 10s



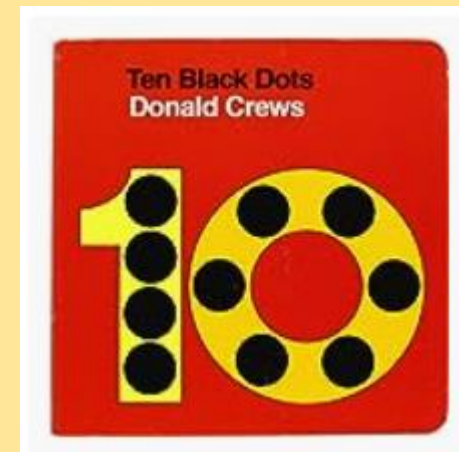
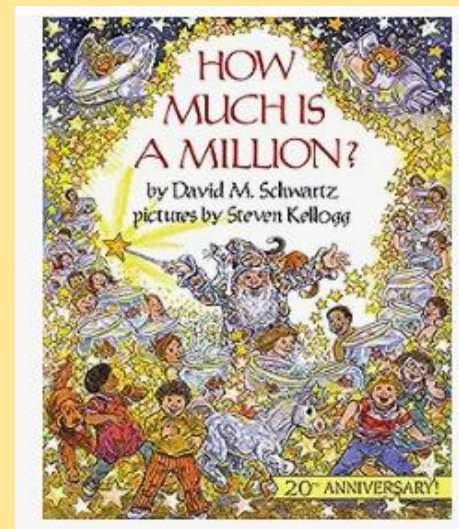
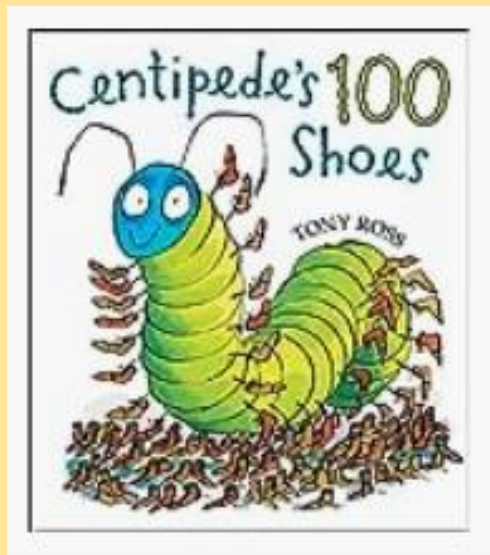
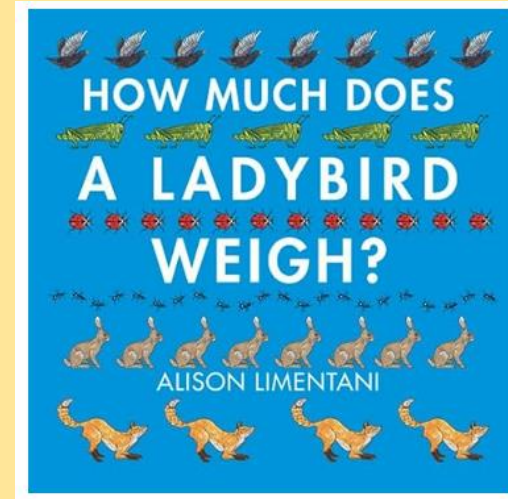
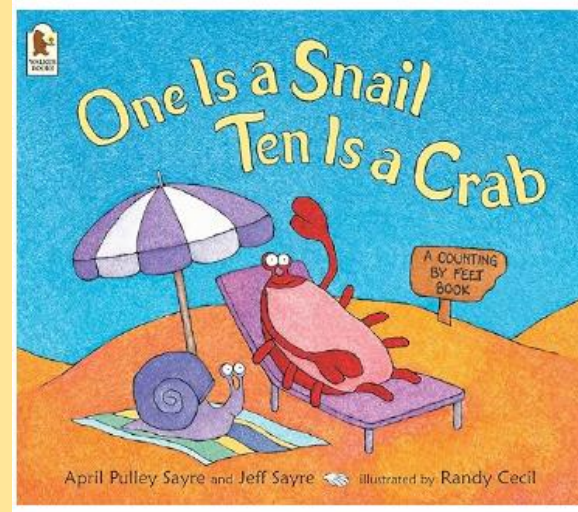
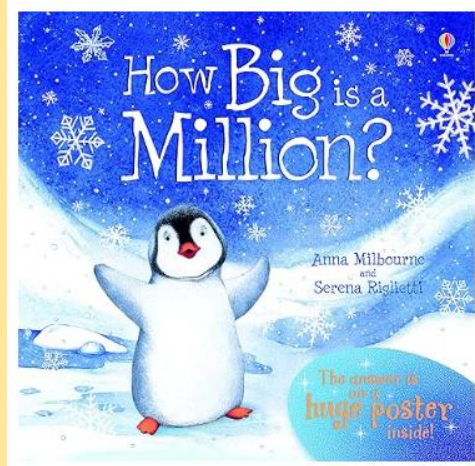
Money



Games



Books



Mathletics

The screenshot displays the Mathletics website interface. At the top left, the word "Mathletics" is written in a blue rounded rectangle. To its right is a horizontal navigation bar with five items: "Home" (with a house icon), "Resources" (with a book icon), "Live Mathletics" (with a globe icon), "Games" (with a basketball icon), and "Hall of Fame" (with a trophy icon). Below the navigation bar, the page is divided into two main sections. The left section is titled "LEARN" and contains three vertically stacked cards: "Activities" (with a desert landscape and a red flag), "Challenges" (with a biplane flying over mountains), and "Skill Quests" (with a hot air balloon). The right section is a vertical blue bar with a stylized human head profile, containing various icons representing different math topics like numbers, shapes, and measurement.

Mathletics

Home Resources Live Mathletics Games Hall of Fame

LEARN





Activities

Challenges

REVISE

Skill Quests

How can I help my child at home?

<p>1. Count things – cars, people, spoons. Count from the beginning and also stopping at numbers e.g. count to 4 then stop then carry on</p>		
<p>2. Count forwards and backwards – up and down stairs along tiles on the floor as you are walking along</p>		
<p>3. Tell the time – practice wherever you see a clock, both round and digital clocks</p>		
<p>4. Talk about numbers you see – bus numbers, door numbers, on packets of food</p>		
<p>5. Practice number bonds – small additions and subtractions within 10</p>	<p>3 + 4 5 – 2 4 + 5 6 – 3</p>	
<p>6. Play games – <u>snakes and ladders</u>, connect 4, Ludo anything involving counting and number recognition and <u>subotising</u></p>	