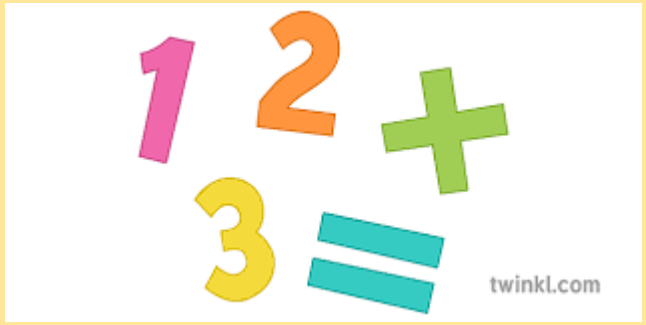
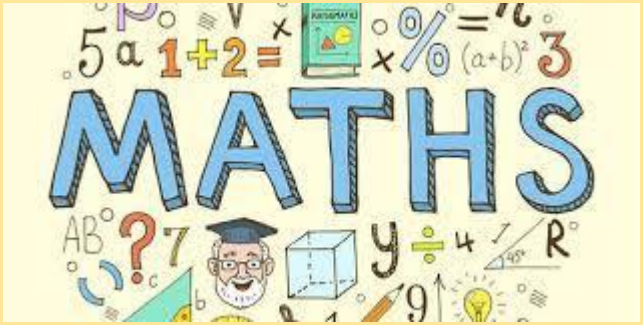


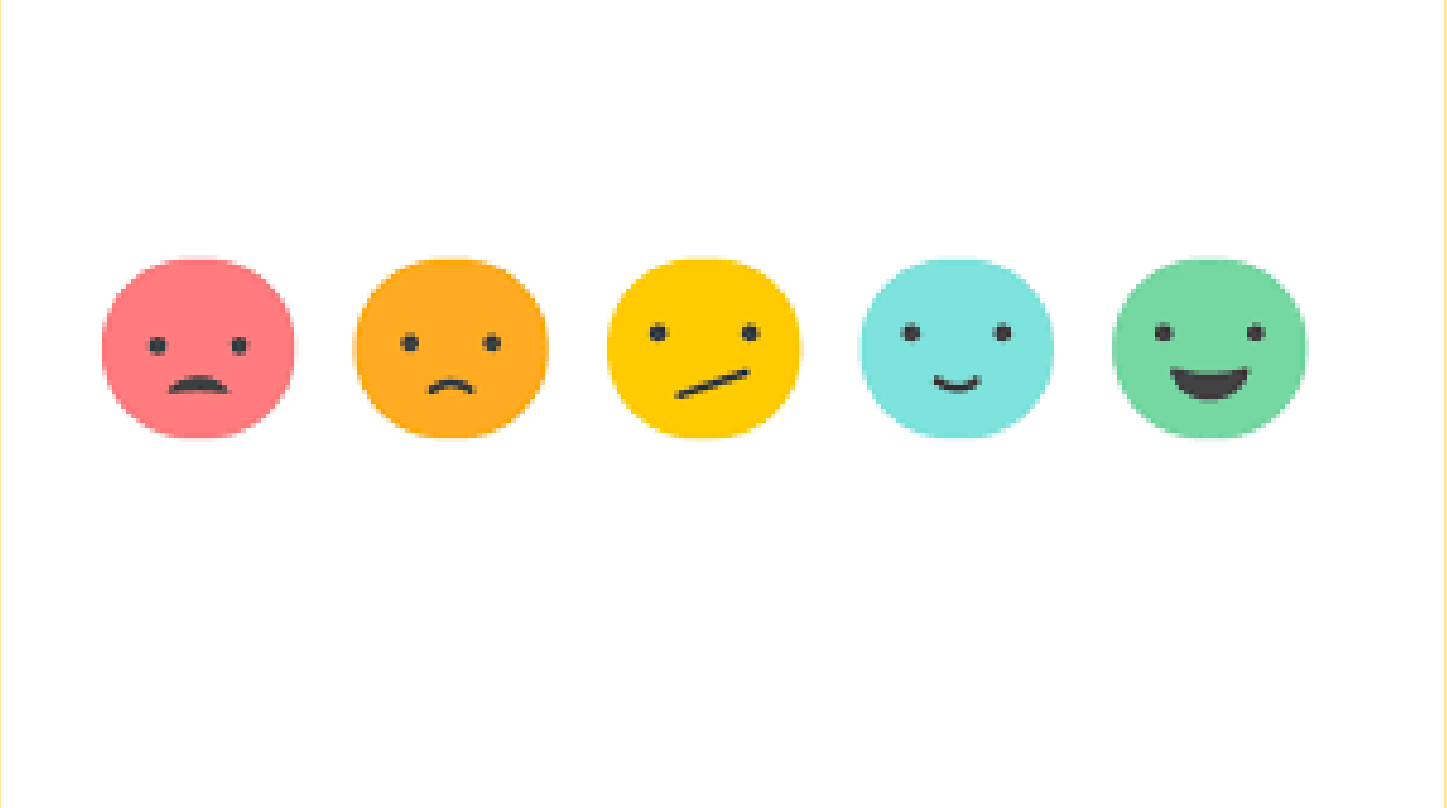


Welcome to our Maths Parent Workshop

Sarah Betney

LEAP Maths Lead

How do **you** feel about maths?



‘I was always terrible at maths’



Notes: Don’t say this to your child as it gives them a reason not to be good at maths themselves. Be positive about learning maths e.g. saying ‘Isn’t it fun to count?’

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

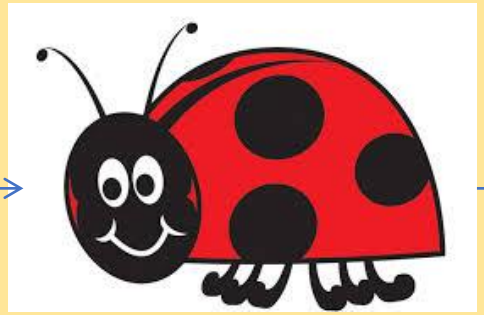
Maths Mastery at Kingsmead – our aims for our children

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

C-P-A

Concrete Pictorial Abtract





1 + 1 = 2

Notes: We use the CPA approach to teaching maths. Letting children see the structure of maths through using things and pictures and then finally connecting these to the calculations

Concrete Resources at school

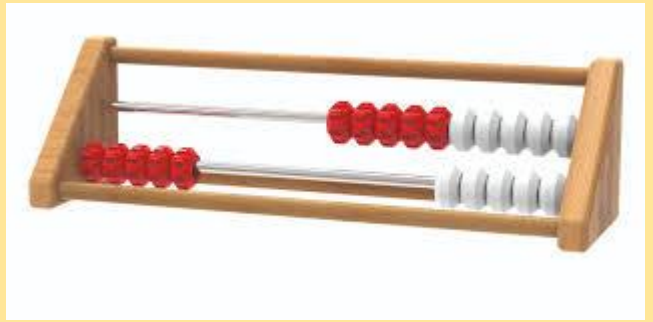




















Fluency and Key Learning in Early years & Year 1

- Count forwards and backwards (not just in ones)
- Recognise numbers
- Know how big a group of things is
- Addition and Subtraction of small numbers (up to 10)

Counting – chanting v one to one







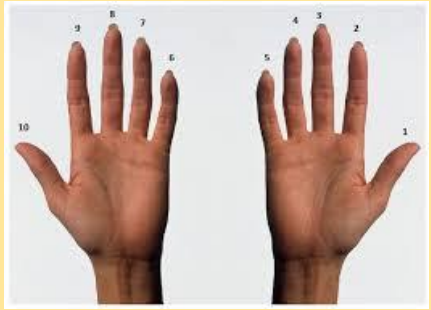












Notes: Chanting is just saying the numbers in order. One-to-one correspondence is counting things, it could be items but also sounds or steps

Recognise Numbers all around us













Notes: Talk to children about they numbers they can see around them

Writing numbers

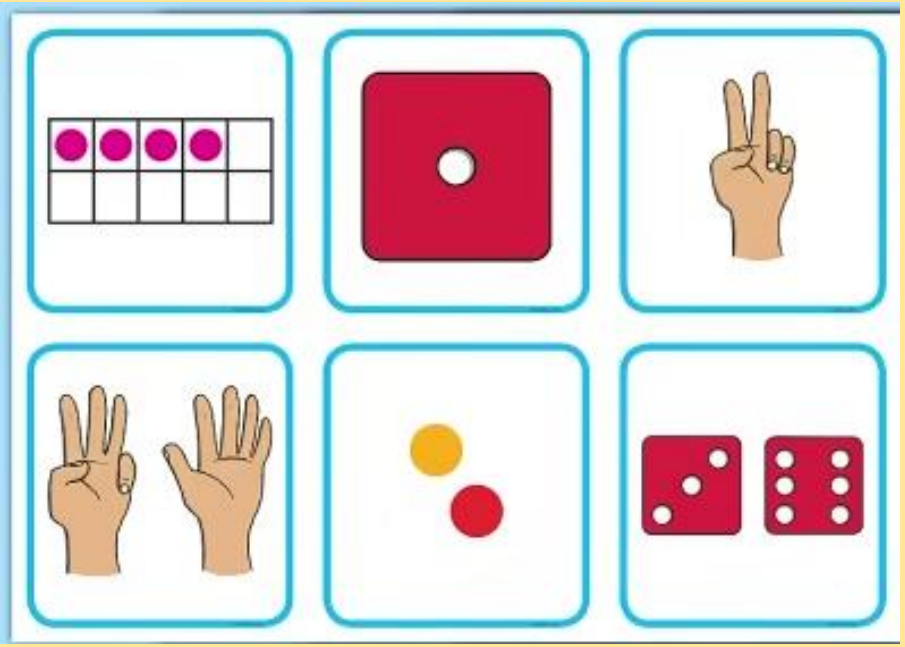
1		2	
3		4	
5		6	
7		8	
9		10	

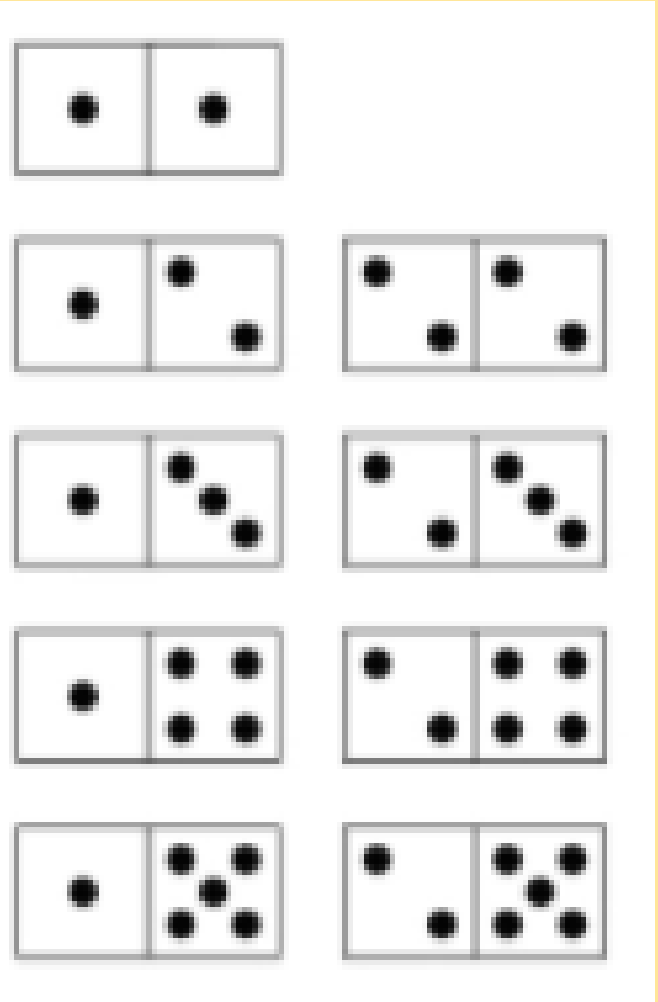


Notes: writing digits backwards is a very common handwriting problem that can be practiced at home in a stress free way. Writing 10 as 01 is a mathematical problem that needs to be addressed.

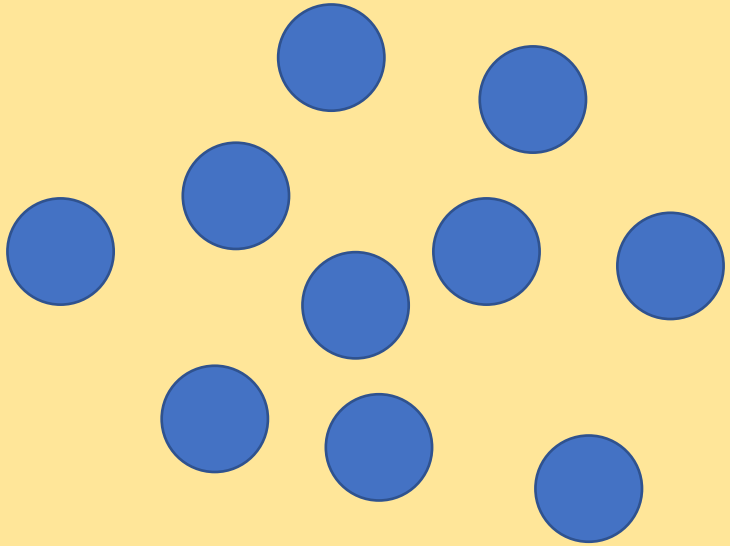
Calculating and Subitising

- fingers, dice, dominoes,
- Try this https://www.youtube.com/watch?v=p62sssP8zdk





Estimating





Notes: Estimating stems from subitising and is a vital mathematical skill as they move on through school. We want older children to be able to guess in a reasonable way how many apples there are. If they say there are 100 apples then rather than somewhere between 10 and 30 they don't have a feel for size of groups.

Fluency with small numbers

- We link to objects & pictures - fingers
- Adding and subtracting small numbers is vital. They might be able to say 3 and 2 makes 5 but can they say what 5-3 is?

3 + 2 = 5

2 + 3 = 5

5 - 3 = 2

5 - 2 = 3







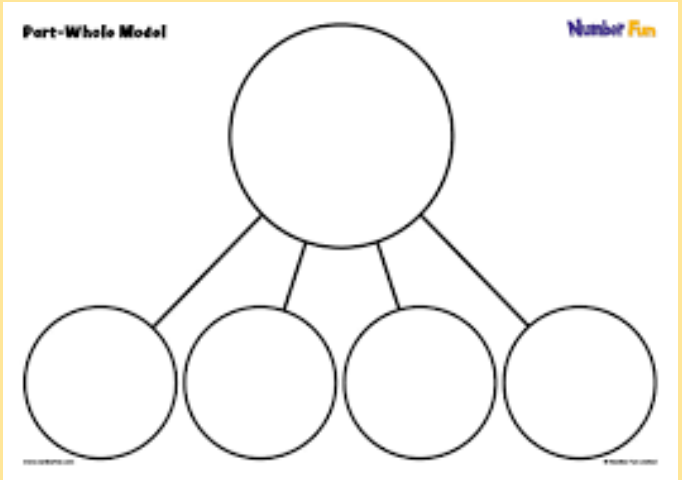
Notes: In school we start by looking at the number 1 then 2 then 3 etc. Strong facts with smaller numbers lead to greater success later on

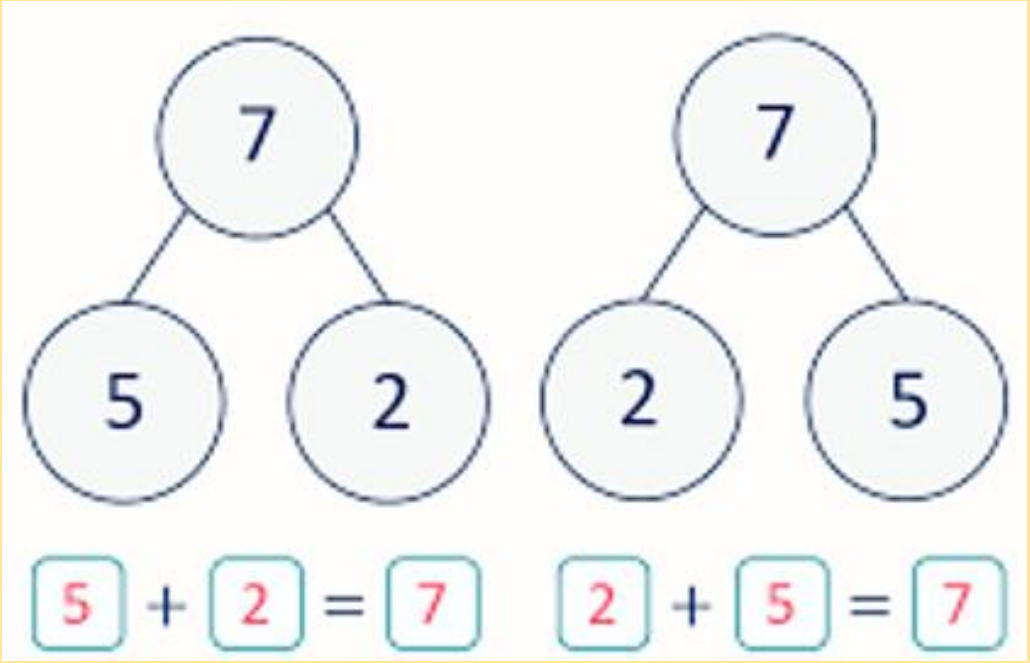
Fluency with small numbers

- Number bonds up to 10 then to 20 -

5 + 2 = 7

2 + 3 + 2 = 7





Part-part-whole model

Notes: Models we use in school

Fluency in Addition and subtraction

5 + 2 = 7

7 – 2 = 5

50 + 20 = 70

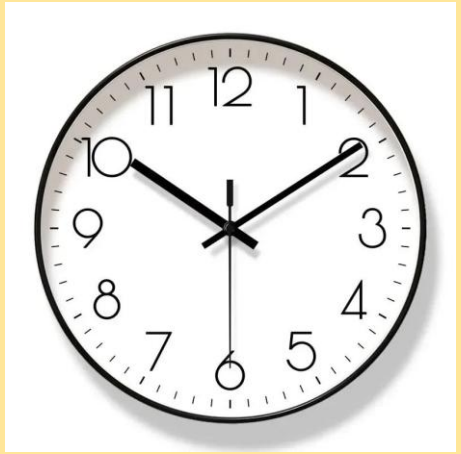
70 – 20 = 50

55 + 2 = 57

77 – 2 = 75

Notes: How we use our small number facts later on

Telling the Time









Notes: Children often see digital times around them but also need to see round clocks (analogue clocks). Buying them a watch or a wall clock and asking them the time regularly will help

Measure













Notes: cooking together, measuring their height or using a tape measure helps them see numbers in linear form

Money



Notes: Children rarely see real money these days so give them access to coins to look at closely and talk about how much things cost. In a trip to the supermarket ask them to see how much an item is. Talk to them about where money comes from and how it’s spent.

Games







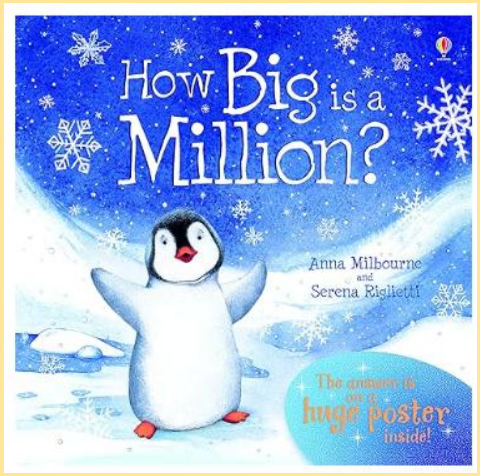


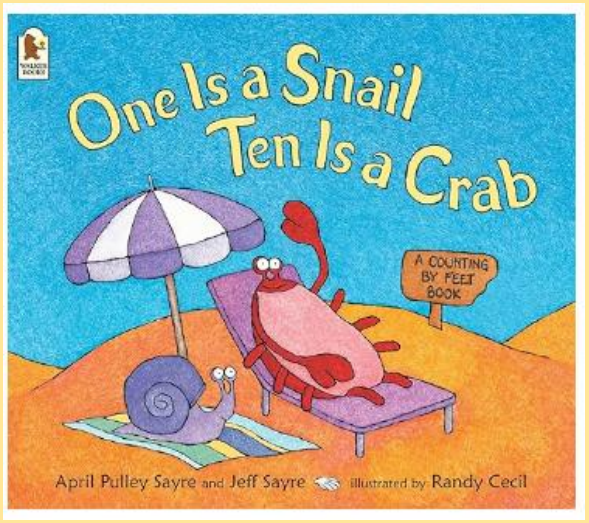


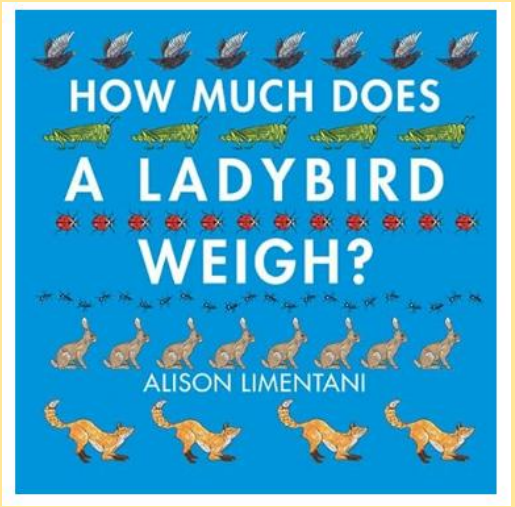


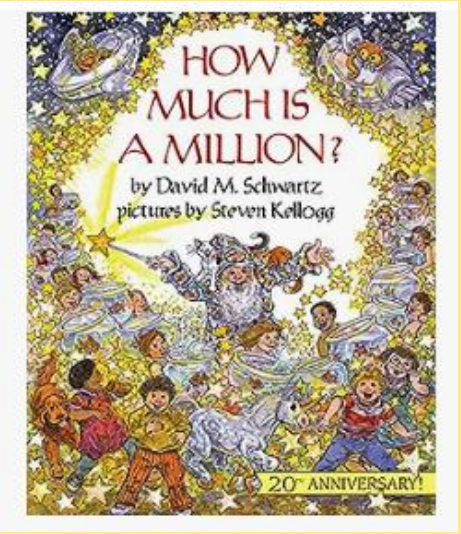
Notes: Games are a fun way to practice maths and can often only be done on a one-to-one basis. Some games can be bought when children are in nursery and still be used when they are in year 6 e.g. snakes and ladders, cards and ludo.

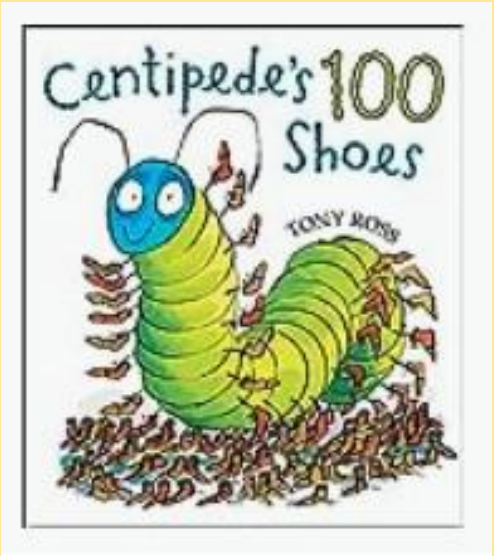
Books with maths themes











Notes: Read the same book with them each day for a week. They love the repetition and practice their number skills





https://www.bbc.co.uk/iplayer/episode/b08dmn88/numberblocks-series-1-hideandseek?seriesId=b08bzfnh-structural-1-b08bzg8q



Notes: Number blocks from the BBC is a great resource for early number knowledge. Like all screen time it needs to be limited and controlled.

Songs are another great way to learn number facts e.g. 10 little ducks. It is better to sing them with your child so that you are practicing together.

LEAP Maths – How can I help my child at home?

Count things – cars, people, spoons. Count from the beginning and also stopping at numbers e.g. count to 4 then stop then carry on	 	
Count forwards and backwards – up and down stairs along tiles on the floor as you are walking along. Count in 2s, 5s and 10s forwards and back	 	
Tell the time – practice wherever you see a clock, both round (analogue) and digital clocks	  	
Talk about numbers you see – bus numbers, door numbers, on packets of food	 	
Practice number bonds – small additions and subtractions within 10 then 20	3 + 4 4 + 5 5 – 2 6 - 3	
Experience using money – look at prices and say them aloud, practice counting in 2s, 5s, 10s		
Play games - snakes and ladders, connect 4, Ludo anything involving counting and number recognition and subitising	  	