

Maths in the Early Years

The Early Years Foundation Stage states that;

'Children must be supported in developing their understanding of mathematics in a broad range of contexts in which they can explore, enjoy, learn, practice and talk about their developing understanding. They must be provided with opportunities to practice these skills and to gain confidence and competence in their use.'

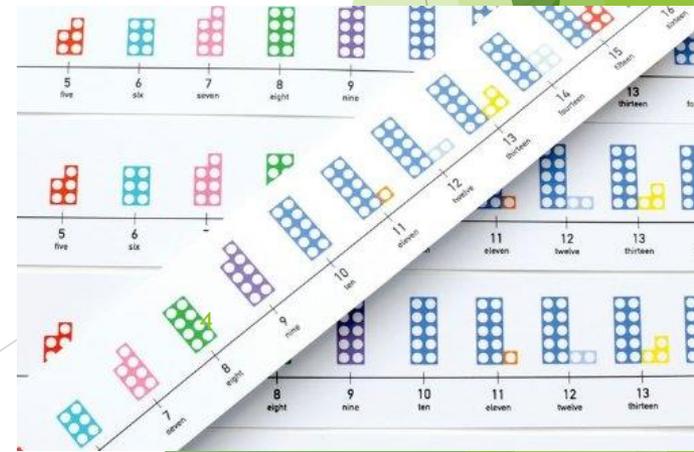
Our curriculum explores

Numbers
and
Shape, space, and
measure.

Numbers: (numbers up to 20)



- Count, read, write, and order numbers up to 20.
- Say which number is one more/one less than a number.
- Add and subtract with objects, and begin to use the vocabulary of adding and subtracting in practical activities.
- Solve simple problems, such as doubling, halving and sharing.



Maths is learnt in small groups and during exploration.



It is important that young children are confident with numbers.

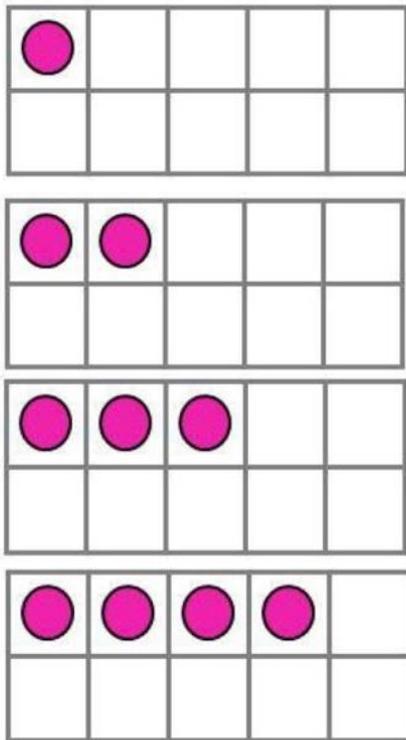


- ▶ For example number 4 is
- ▶ 1 and 3 more
- ▶ 2 and 2 more
- ▶ 3 and 1 more
- ▶ 1 less than 5
- ▶ 2 less than 6



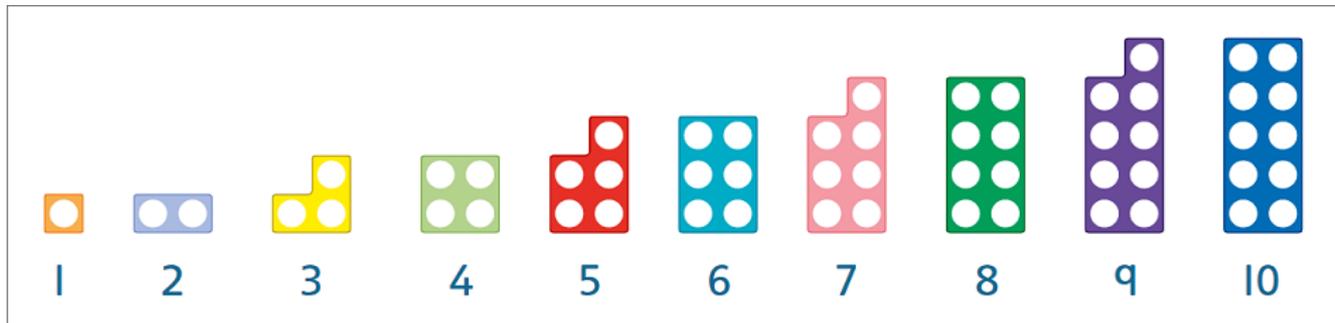
Number four can be halved, it can be shared, it is an even number. Number four is often their age. It might even be on their door.

We use 10s frames and can question their thinking using both direct and open ended questions.



- I wonder how many more.....
- I'm thinking that you might have too many.
- What would happen if.....?
- What is the difference?
- What happens if I move the counters around?
- Is there a pattern?
- Could you do it in a different way?

Using Numicon



Numicon is used to help the children understand the number system. Through exploration they are able to see the difference between two numbers and add two pieces to make the same shape as another number. It is also excellent for visualising odd and even numbers.

4 and 3 is the same as 7



Shape, Space and Measures:

- ⦿ Recognise, create and describe patterns.
- ⦿ Begin to use mathematical names for 'solid' 3D shapes and 'flat' 2D shapes.
- ⦿ Everyday language about size, weight, capacity, position, distance, time and money.
- ⦿ Solve simple problems.





Full, empty, more spoonfulls, enough!



Triangle, square, rectangle circle.

Rectangle, square, big, small, heavy, light.



Constructing and leaning about shapes and sizes.



Big, small, 4/6/8, patterns.



Balance, heavy, light, big, small



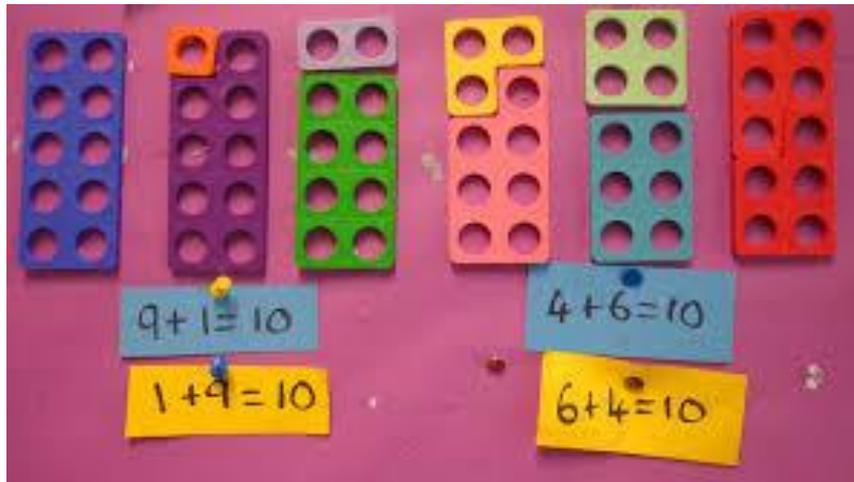
Heavy, light, half full empty



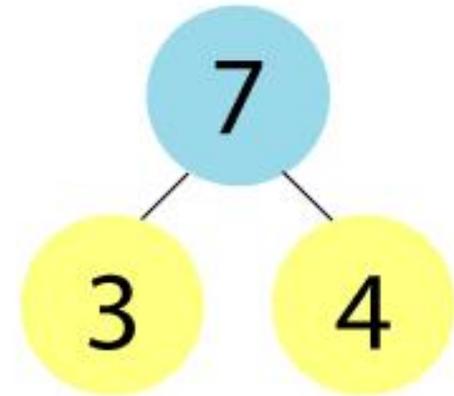
Money, coins, pennies, pounds, more, change, too much!



Knowing & Using Number Facts Number Bonds/Pairs



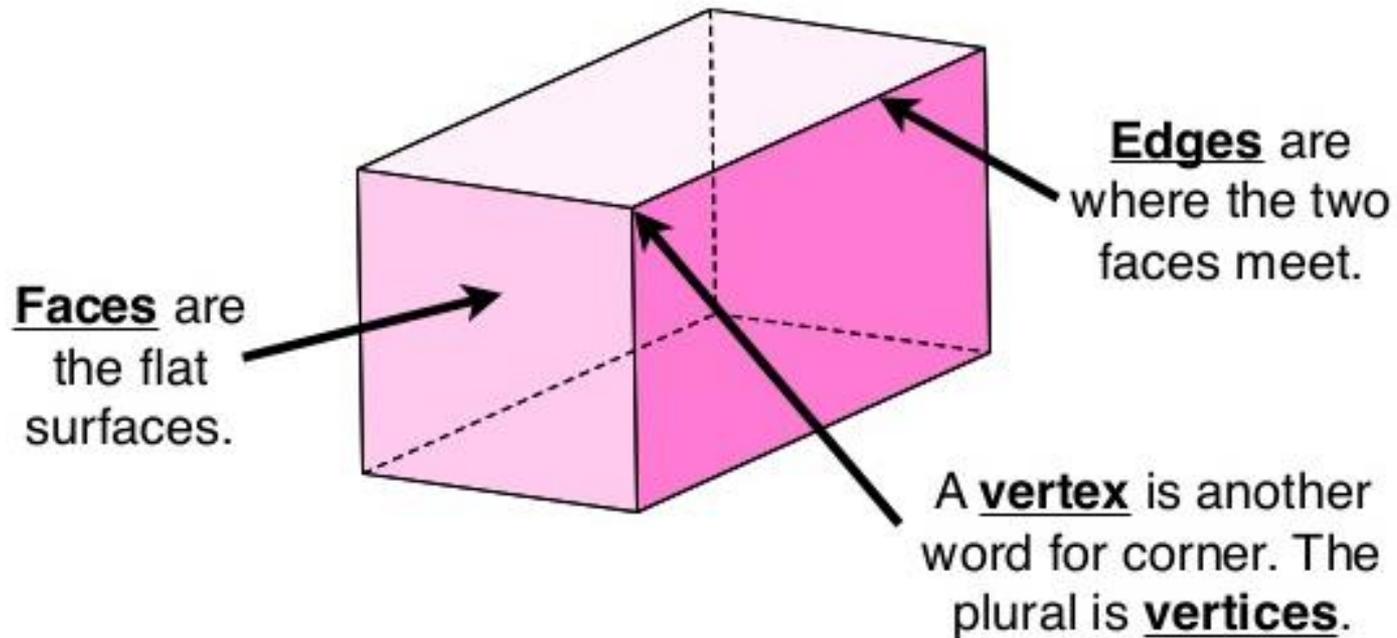
Addition/Subtraction



Represents these fact families

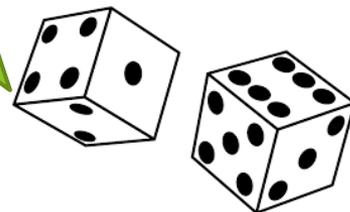
$$\begin{array}{l} 3 + 4 = 7 \\ 4 + 3 = 7 \\ 7 - 3 = 4 \\ 7 - 4 = 3 \end{array}$$

3D shape vocabulary

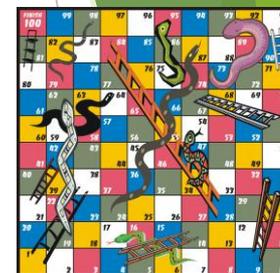


Maths at home

Play board games



Explore money



Look for and talk about numbers

1	one	11	eleven	21	twenty-one
2	two	12	twelve	30	thirty
3	three	13	thirteen	40	forty
4	four	14	fourteen	50	fifty
5	five	15	fifteen	60	sixty
6	six	16	sixteen	70	seventy
7	seven	17	seventeen	80	eighty
8	eight	18	eighteen	90	ninety
9	nine	19	nineteen	100	a hundred
10	ten	20	twenty		



