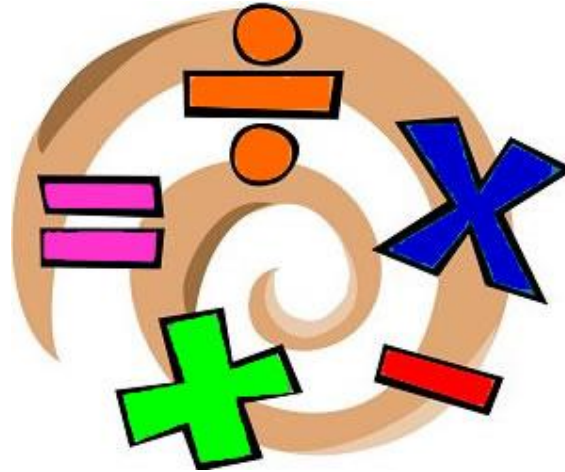




On a farm there were some hens and sheep.
Altogether there were 8 heads and 22 feet.
How many hens were there?



MATHS IN EYFS



The only way
to **learn**
mathematics
is to **do**
mathematics.

PAUL HALMOS



AREAS OF MATHS...

- Number
- Shape, Space and Measure



HOW MANY CATS?



1	2	3	4
5	6	7	8
9	10	11	12
13	14	15	16
17	18	19	20

Counting skills.....



Counting by rote

Counting a set of objects

Instantly recognising the number of objects in a small group

Concept of zero

Conservation of number

Equality- making connections when we are counting (9 is the same as 5+4)

1	2	3	4
5	6	7	8
9	10	11	12
13	14	15	16
17	18	19	20

Practice by.....



Counting by rote – putting number cards in order, numbering bays of a car park

Counting a set of objects – using real objects – teddies, figures, cars

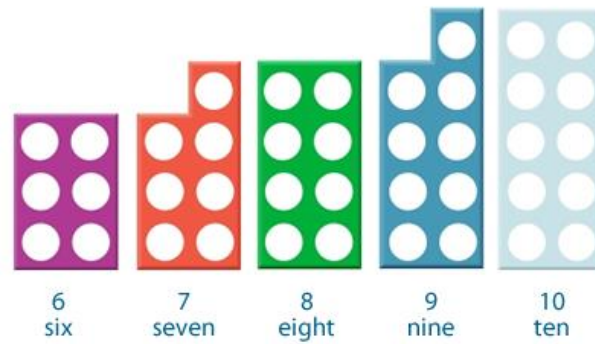
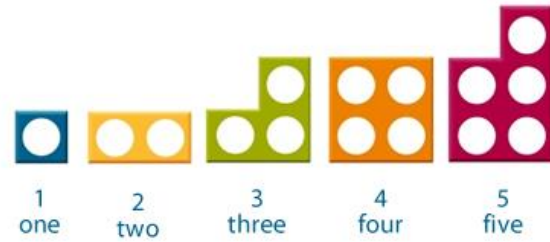
Instantly recognising the number of objects in a small group – dominoes, dice

Concept of zero – empty box

Conservation of number – moving dolls around in the dolls house but the number of dolls doesn't change

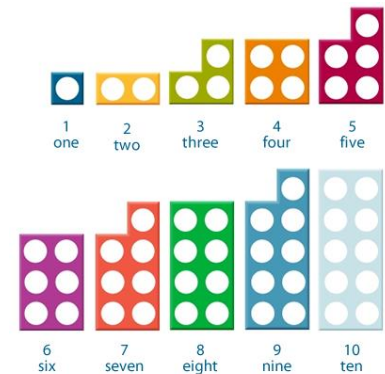
Equality- making connections when we are counting (9 is the same as 5+4) – making numbers in different ways using set of objects (6 dinosaurs = 5 +1, 4+2, 3+3)

PLACE VALUE



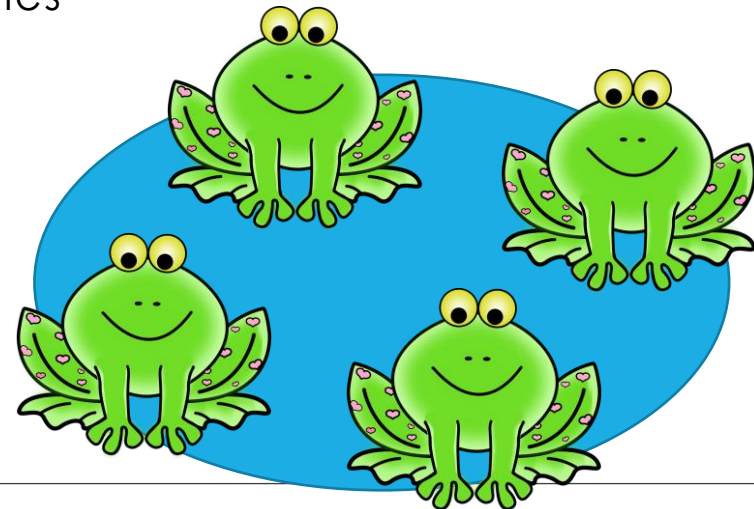
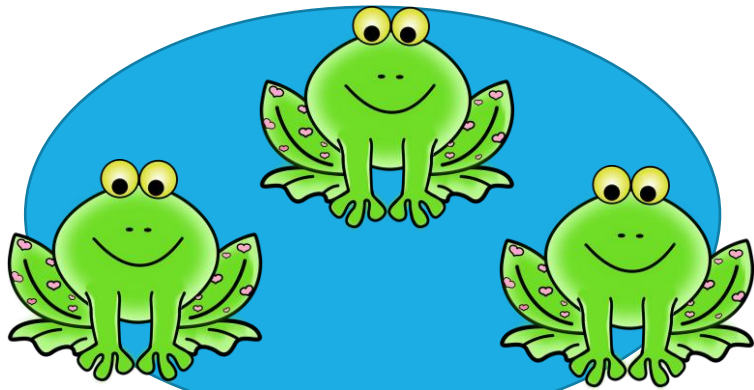
BY THE END OF THE YEAR...

Children count reliably with numbers from 1 to 20, place them in order and say which number is one more or one less than a given number.



ADDITION

- Vocabulary
- Using language of addition (add, more, plus, total, altogether)
- Practical activities
- Counting on



SUBTRACTION

- Vocabulary
- Using language of subtraction (less, take away, fewer, left)
 - Practical activities
 - Counting back





BY THE END OF THE YEAR

Using quantities and objects, they **add** and **subtract** two single-digit numbers and **count on or back** to find the answer.

MULTIPLICATION

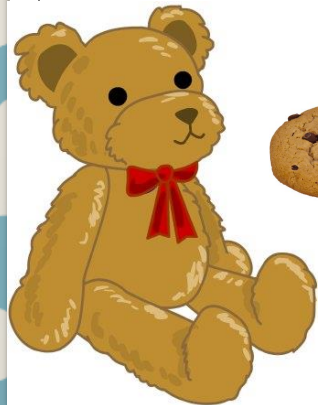


Vocabulary – doubling, adding, more
Practical activities to double sets of objects
Beginning to count sets in groups of 2, 5, 10



DIVISION

Vocabulary – sharing, fair, same
Sharing food out between the teddies
Giving each person the same number of cookies





BY THE END OF THE YEAR

They solve problems, including **doubling**, **halving** and **sharing**.



HELPING AT HOME...

- Recognising numbers in the environment – can the children tell you one more or one less?
 - Making some number cards with the children and putting them in order
 - Playing games with dice or dominoes – doubling, adding 2 together
- Using sets of children's toys (teddies, cars, dinosaurs, play food, barbies) to practise sharing, doubling, adding and subtracting
 - Talking to the children using mathematical vocabulary!
 - Maths at home pack