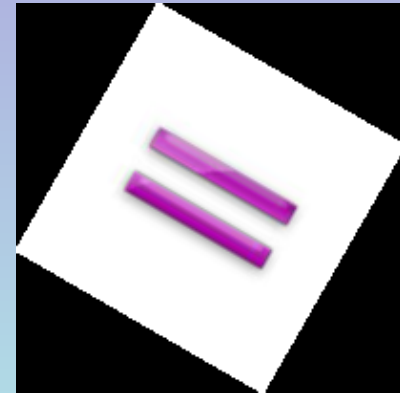
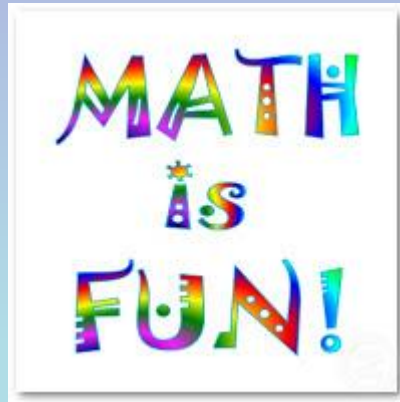


Early Years Maths Information February 2019







Aim

- To outline the key areas of the Maths Curriculum and how we teach the children



Early Years Curriculum

Specific Areas of Curriculum

Number			
Number and place value  <ul style="list-style-type: none"> - Representation of numbers as value - Need to reliably count and order numbers to 20 - Need to be able to say numbers before or after each - 1st, 2nd, 3rd 	Addition and subtraction  <ul style="list-style-type: none"> - Need to be able to work out 1 less, 1 more than any given number - Need to be able to add or subtract 2 digit numbers 	Sharing  <ul style="list-style-type: none"> - Need to be able to solve problems around sharing 	Doubling and halving  <ul style="list-style-type: none"> - Need to be able to solve problems around doubling and halving



How do our children learn Maths at school?



❖ Cross-curricular table top activities and outdoor

❖ Lots of talking

❖ Thinking

❖ Self-discovery

❖ Problem solving

❖ Carpet session

❖ Interactive games on IWB

❖ Learning number and shape songs

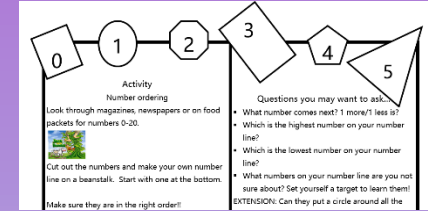
❖ Using manipulatives

❖ Asking questions

❖ Real-life learning

❖ Practical and engaging lessons

❖ Home learning

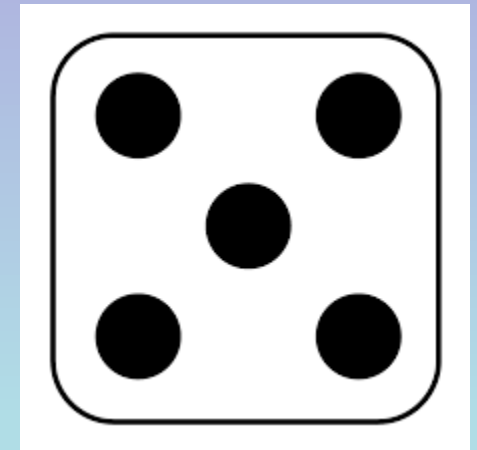
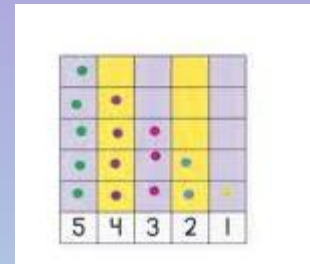




We try to make maths as
fun and as practical as we
can!



SAME REPRESENTATION



‘I hear and I forget. I see and I remember. I do and I understand.’
(A Chinese proverb)



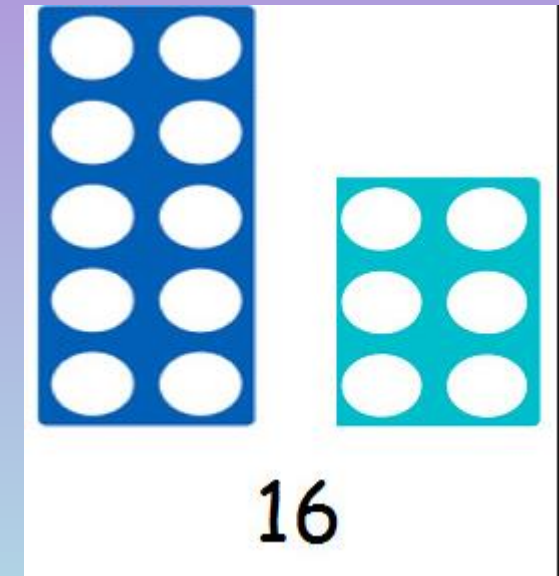
Weekly Maths Challenge Tables



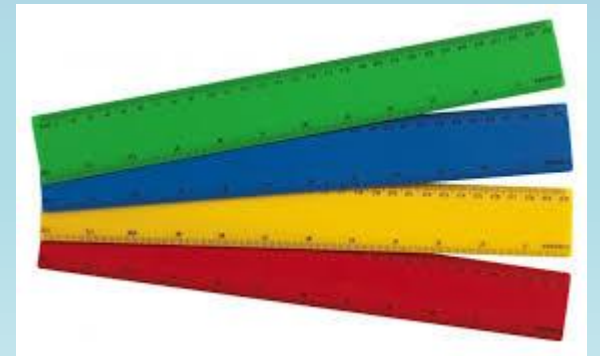
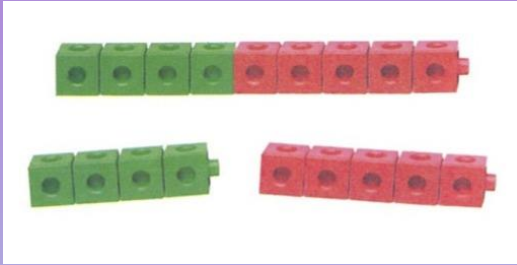
Daily maths tasks



100	10	1
200	20	2
300	30	3
400	40	4
500	50	5
600	60	6
700	70	7
800	80	8
900	90	9



Specific equipment we use in class.





NUMICON



<https://www.youtube.com/watch?v=Lqf7AssF9Kc>



One finger, one touch, one number!



Concrete — Pictorial – Abstract

‘I hear and I forget. I see and I remember. I do and I understand.’
(A Chinese proverb)



Addition



Subtraction



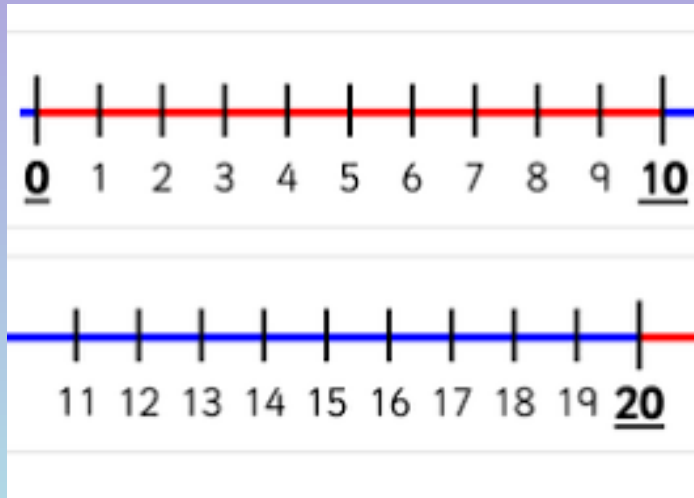
Number and place value

PLACE VALUE
0 1 2 3 4 5 6 7 8 9

Understanding the Value of Numbers

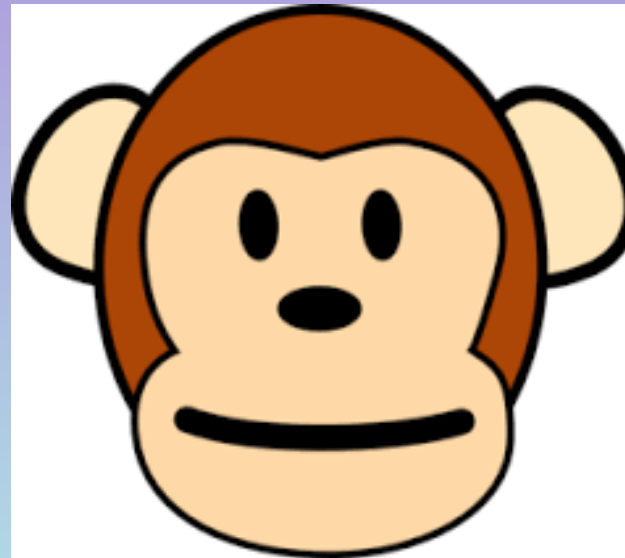
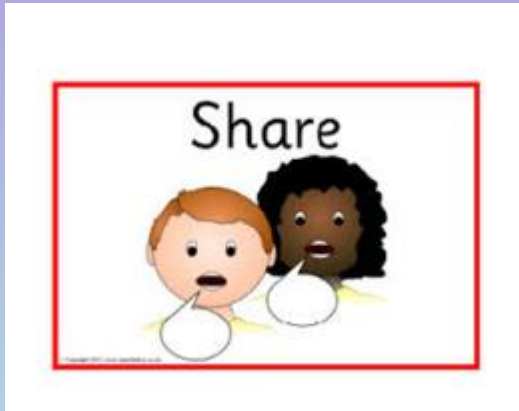
The number 10 is shown in a large, bold font. Arrows point from the number to several visual representations: two hands (representing 10 fingers), ten vertical sticks (representing 10 units), ten coins (representing 10 units), a group of ten children (representing 10 people), and a green ruler (representing 10 units). The background is white with a blue wavy line on the right side. There are also illustrations of a yellow pencil and a green ruler in the bottom left corner.

IMPORTANT – MORE/LESS RECALL



APE

(Answer, prove, explain)



Maths Homework is obviously one way you can help your child.....



Alton Infant School
Maths Record



Name

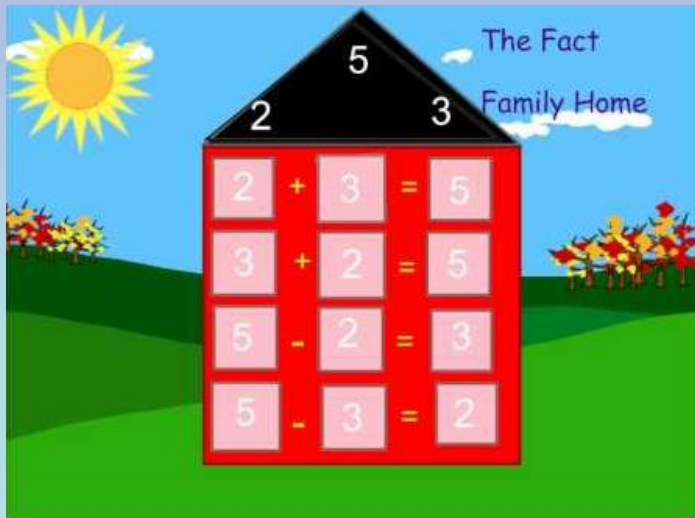
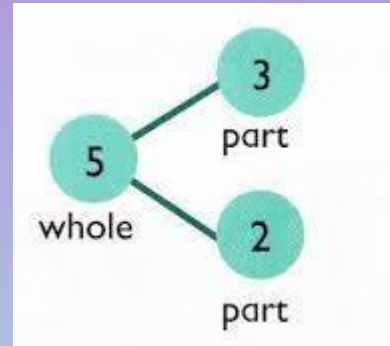
But so many games can support basic maths skills.....



Early Learning Goal – Expected Best fit













Year R children need to be able to represent and use number families/bonds and related subtraction facts within 10

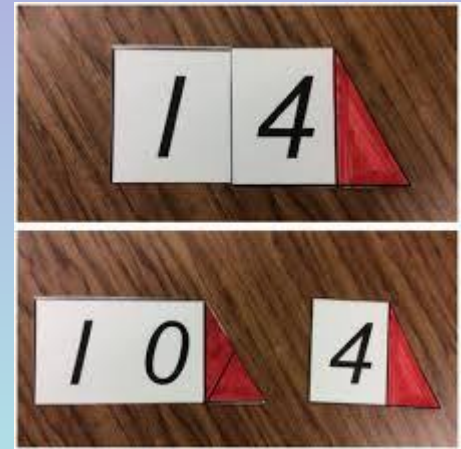


Learning our teen numbers!

1 lot of ten and..... more (l's) 14/ 104



0	1	2	3	4	5	6	7	8	9	10
										





Year R children need to be able to order numbers up to 20. They need to be able to recall 1 more/1 less from a given

10, __, __, 13, 14
__, 14, 15, __, 17
__, __, 17, 18, 19
12, __, 14, __, 16



Teen numbers are 2-digit numbers.

- Use a nursery rhyme to recognize that teen numbers
 - Are made of tens and units
 - Are ten and some more.

Year R children are expected
to recognise, find and name
half of an object and shape



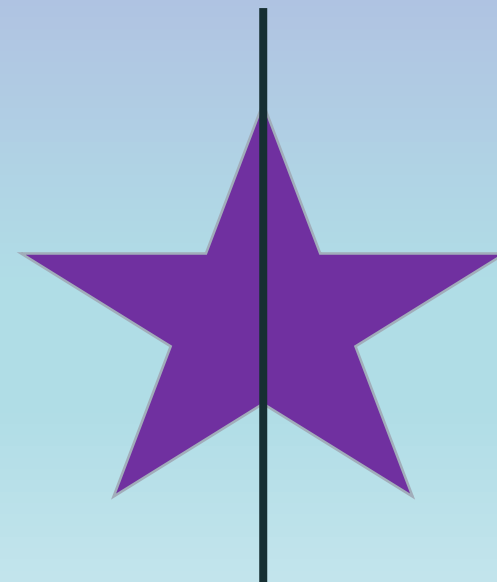
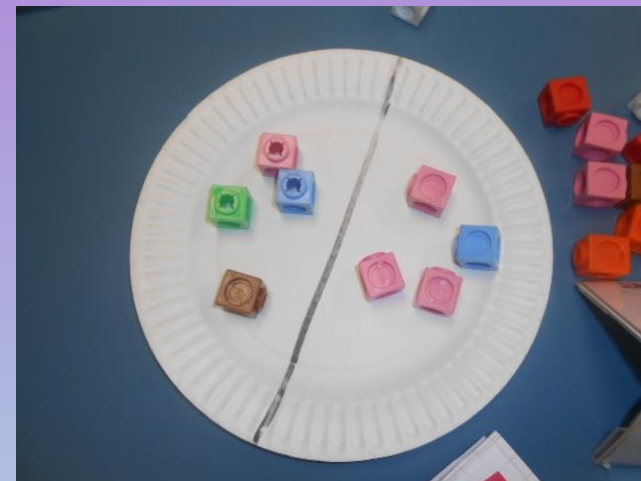
SAME



$$2+3 = 5$$
$$5 = 2+3$$



Sharing food/Finding half

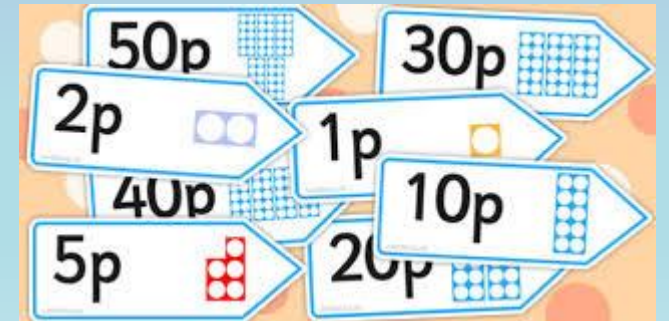




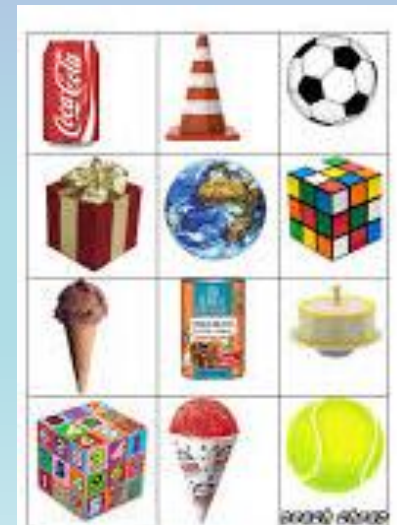
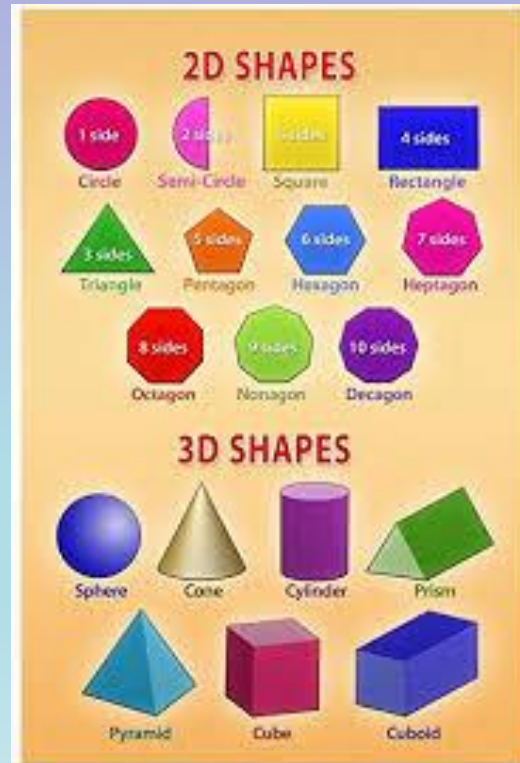
Children in year R need to be able to talk about money and use within a play context.
Play with money at home!



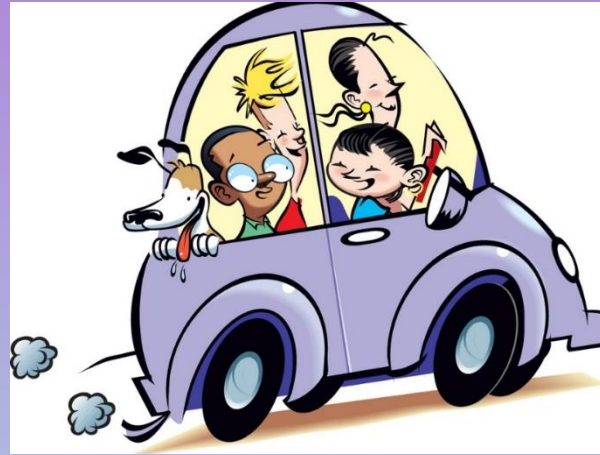
Vocab – pennies, shop, bank, money, change.



Children in year R should be able to use recognise and name common 2-D and 3-D shapes.



Looking for maths opportunities...



Travelling in the car....
Spot numbers!
A great time to count in 2's, 5's and 10's !
Count backwards...
What's 1 more than...?
What's 1 less than....?



When you're out and about – notice numbers!

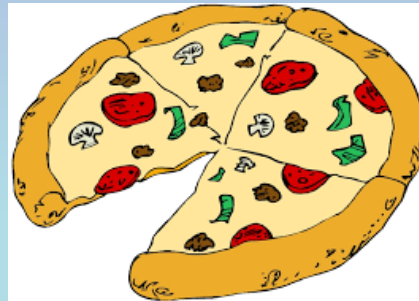
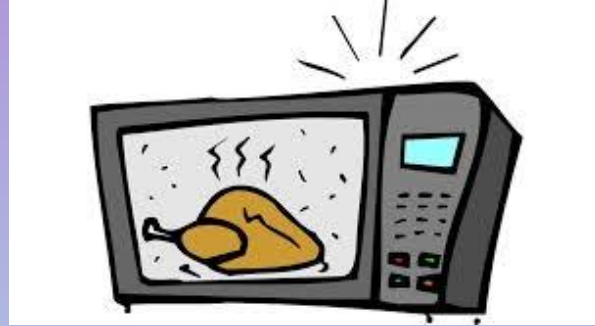


What comes after that number?
What comes before?
Is it even? Is it odd?

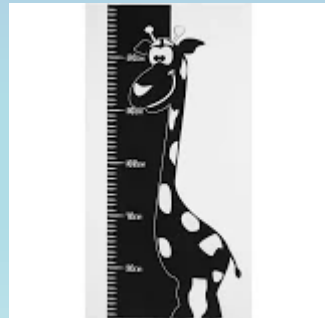


Maths in the kitchen

Sharing
Dividing
Reading scales
Time



Measuring

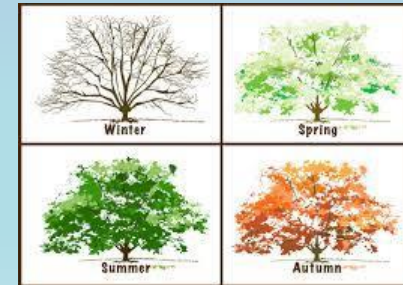
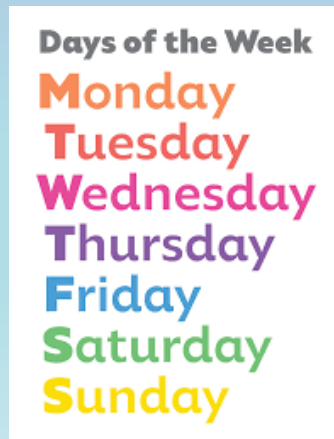


You can really help your child with time!

Year R child are expected to time in relation to night and day.

Yesterday, Today and Tomorrow.

They also need to be aware of sequencing events in order.



There are lots of fun number games on Purple Mash and Cbeebies





**Thank
You!!!**