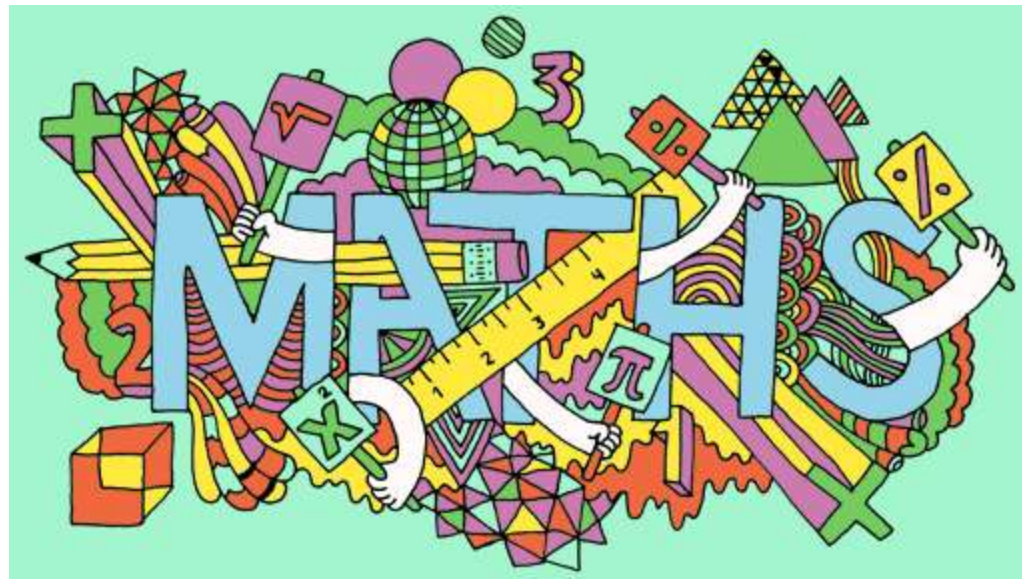
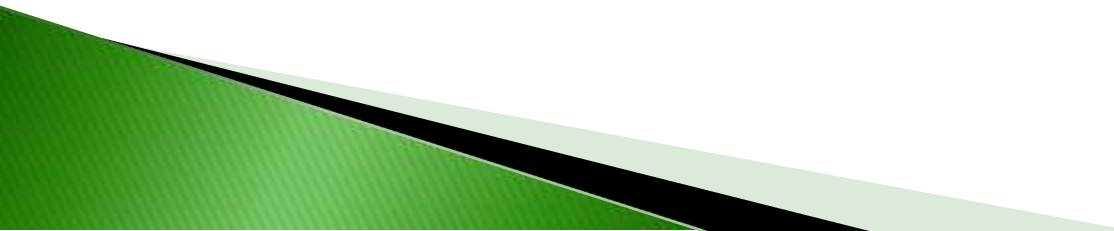


Year 1 – Parent Workshop

March 2017



How did YOU describe Maths when you were at school?

- ▶ Exciting?
 - ▶ Fun?
 - ▶ Boring?
 - ▶ Hard?
- 

The teaching and learning of Maths has changed!

- ▶ More collaborative learning
- ▶ More practical opportunities
- ▶ 'Having a go' and talking through is encouraged

**MENTAL MATHS IS VERY IMPORTANT IN
ALL OF THIS!**



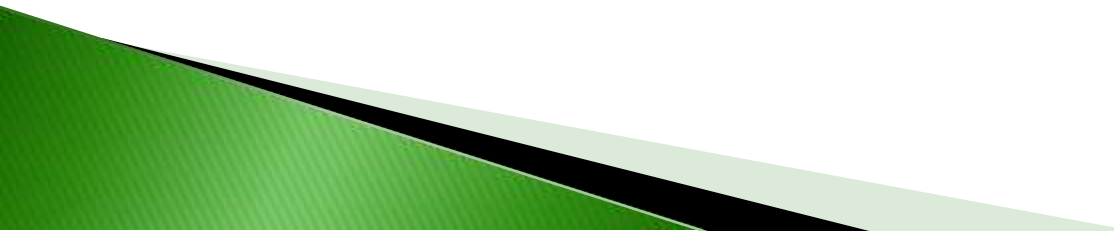
What Maths have YOU done today?

- ▶ Have I got time to do the washing before I go out?
- ▶ Do I have enough petrol to last the journey?
- ▶ Do I need a trolley for my shopping or will a basket be okay?
- ▶ Do I have enough money in my purse to pay for these items?
- ▶ How long have we got before we have to leave for school?

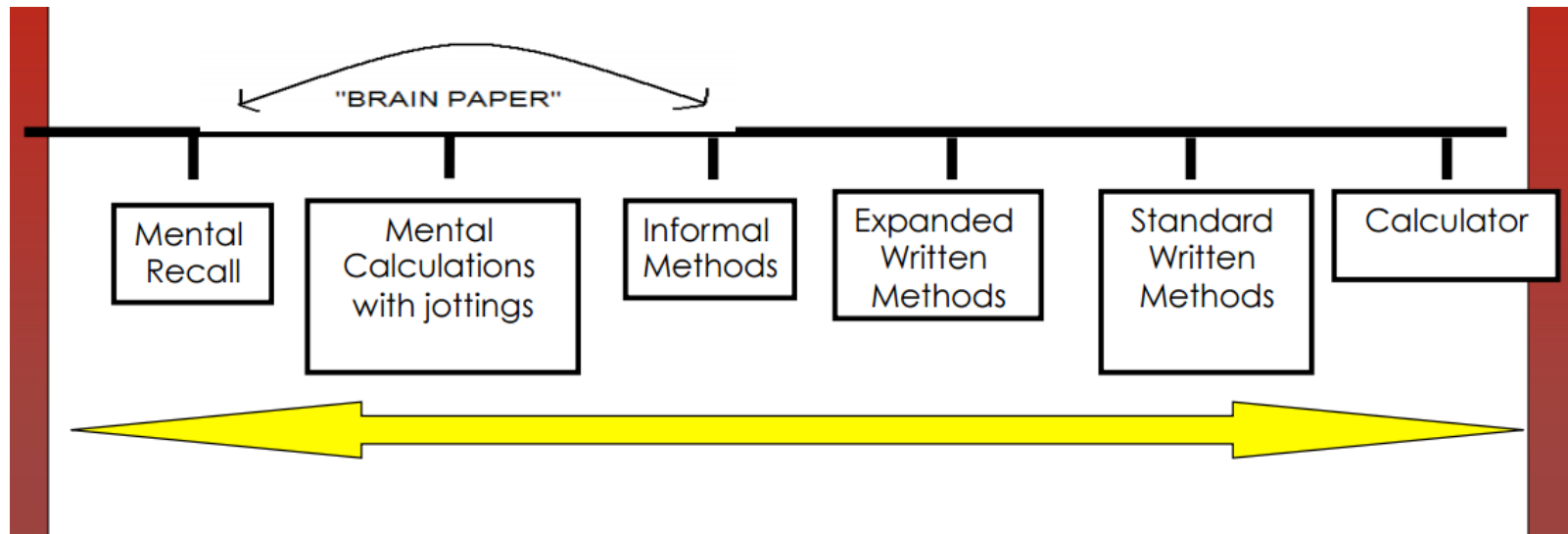
NONE OF THIS IS WRITTEN DOWN – IT'S MENTAL MATHS!



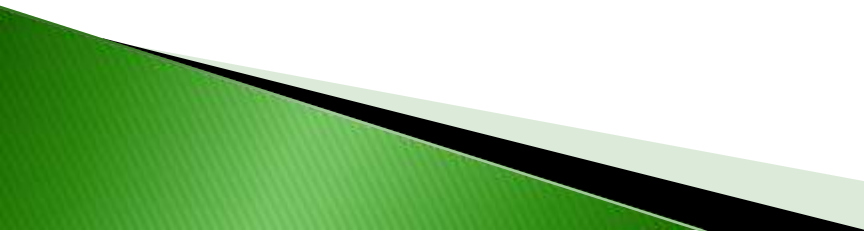
Why do children need to be secure with Mental Maths?

- ▶ It builds up their confidence and helps towards written Maths
 - ▶ They need to build up skills slowly so that they retain them
 - ▶ They need basic facts at their fingertips
 - ▶ They need to learn some facts by rote (by heart)
- 

The Calculation Continuum



Number & Place Value

- ▶ count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number
 - ▶ count, read and write numbers to 100 in numerals; count in multiples of twos, fives and tens
 - ▶ read and write numbers from 1 to 20 in numerals and words.
 - ▶ read, write and interpret mathematical statements involving addition (+), subtraction (−) and equals (=) signs
 - ▶ recognise, find and name a half & a quarter as one of two equal parts or 1 of 4 equal parts of an object, shape or quantity
- 

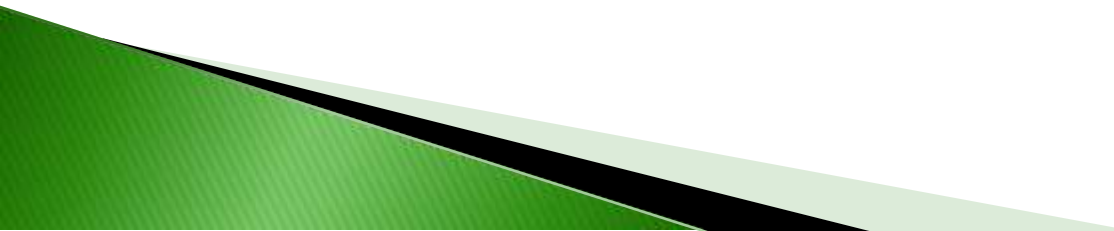
Addition & Subtraction

- ▶ read, write and interpret mathematical statements involving addition (+), subtraction (−) and equals (=) signs
- ▶ represent and use number bonds and related subtraction facts within 20 z add and subtract one-digit and two-digit numbers to 20, including zero
- ▶ solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as $7 = ? - 9$

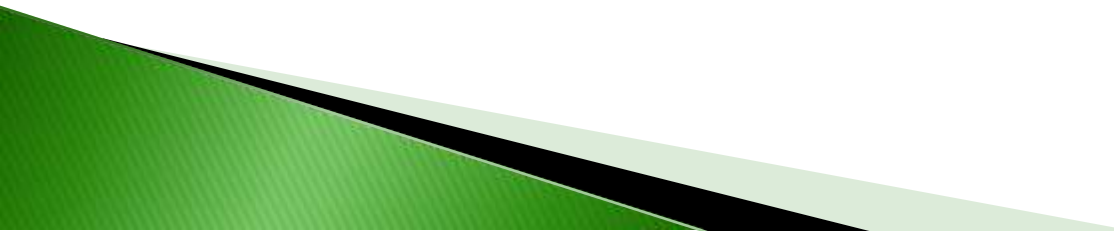
Multiplication & Division

- ▶ solve one-step problems involving multiplication and division, by calculating the answer using concrete objects, pictorial representations and arrays with the support of the teacher.

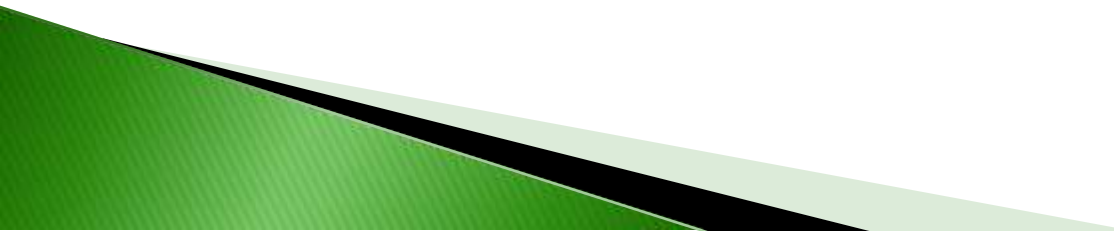
Fractions

- ▶ recognise, find and name a half as one of two equal parts of an object, shape or quantity
 - ▶ recognise, find and name a quarter as one of four equal parts of an object, shape or quantity.
- 

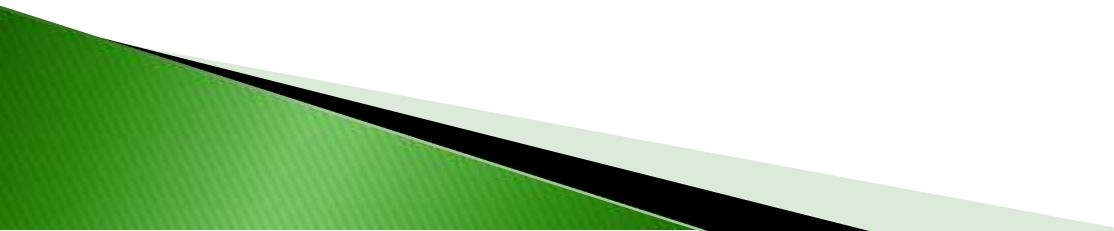
Measure

- ▶ sequence events in chronological order using language
 - ▶ Recognise and use language relating to dates, including days of the week, weeks, months and years
 - ▶ Recognise and know the value of different denominations of coins and notes
 - ▶ Use non-standard units to measure length, mass and capacity
 - ▶ Tell the time to the hour and half past the hour and draw the hands on a clock face to show these times
 - ▶ Measure and begin to record time (hours, minutes, seconds)
 - ▶ Measure and begin to record lengths and heights, mass/weight, capacity and volume
 - ▶ Compare, describe and solve practical problems for time
 - ▶ Compare, describe and solve practical problems for lengths and heights, mass or weight and capacity/volume
- 

Shape

- ▶ Recognise common 2-D shapes in different orientations and sizes i.e. including rectangles (including squares), circles and triangles
 - ▶ Name common 2-D shapes in different orientations and sizes i.e. including rectangles (including squares), circles and triangles
 - ▶ Recognise and name common 3-D shapes in different orientations and sizes i.e. including cuboids (including cubes), pyramids and spheres
- 

Geometry

- ▶ Describe position using everyday language e.g. top, middle, bottom, in front of, between, near, inside
 - ▶ Recognise and create simple repeating patterns with objects and shapes
 - ▶ Describe movement in straight lines using everyday language and describe turns, including half, quarter and three- quarter turns in both directions and connect turning clockwise with movement on a clock face
- 

Useful websites

- ▶ <http://www.bbc.co.uk/bitesize/ks1/maths/>
- ▶ <http://www.topmarks.co.uk/maths-games/5-7-years/multiplication-and-division>
- ▶ <http://www.maths-games.org/times-tables-games.html>
- ▶ <http://www.maths-games.org/fraction-games.html>
- ▶ <http://primarygamesarena.com/Key-Stage-1>
- ▶ <http://mathszone.co.uk/number-facts/number-bonds-to-20/>
- ▶ <https://www.mangahigh.com/en-gb/>

Practical Activities

- ▶ In both the classrooms there are practical activities for you to try out.
- ▶ They have been split into the different areas of Numeracy.
- ▶ There are some questions to answer that we would give to your children
- ▶ Please have a go at these and if you have any questions please see Miss Smith or Ms Virdee
- ▶ Enjoy! 😊