Clifton Primary School

## A Parent's Guide to Mathematics in the Curriculum

Year 2

Children's numeracy skills can be greatly boosted by help at home, in the same way that regular help with spelling and reading can nurture their literacy skills. Parents are often nervous to help in maths however, worried they may confuse their child by teaching them 'different' methods ("we didn't do it like this in my day…"!).

At Clifton Primary School, we aim to teach children to work with number in lots of different ways. We know that what works for one child will not always make sense to another and that by giving them a range of different methods, they will be well equipped to select one which works for them. So please, be encouraged to talk about maths with your child. You never know, they may even teach you a new thing or two!

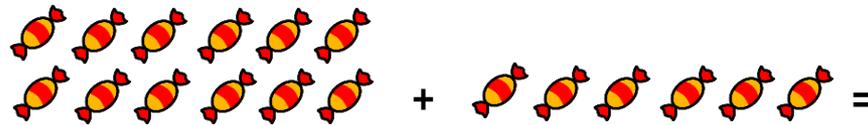We hope you and your child enjoy this guide.
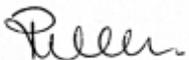
Rachel Wilkes, Head Teacher

Adding 2 numbers

12 + 6 =

12 + 10 =

12 + 50 =

The next stage is partitioning (splitting the tens and ones):

Partitioning is a way of working out maths problems that involve large numbers by splitting them into smaller units so they're easier to work with.

For example;

52 + 16 = 68

Broken down this is
2 + 6 = 8
50 + 10 = 60
8 + 60 = 68

Try at Home!

When you go to the shops, count the amount of fruit you are buying. For example:
"I have 4 apples, if we were to buy 6 more apples how many would we have altogether?"

Start by counting backwards from 20 to 0. Then try these subtraction ideas.

12 – 6 =   -   =

By physically taking the sweets away your child has a clearer picture of subtraction.

12 – 10 =   -   =

Move the 10p away to show your child what is left after 'subtracting' the 10.

52 – 20 =   -

Moving two packs of 10 shows that they have subtracted 20. The children can count in 10s as they know each pack of crayons is worth10.

The next stage with subtracting is to be able to count backwards. They can use their hands to help them. For example:

26 – 5 =

Start by putting 26 in your head. Count backwards using one number for each finger until you have used all 5

Try at Home!
Counting out a bag of sweets, taking away (subtracting) certain amounts, how many sweets are left?

Children will talk about a mastery level of maths. The idea behind mastery is that all children need a deep understanding of the mathematics they are learning so they can apply this to every day problem solving.
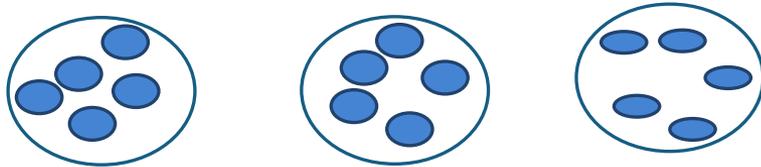
Mastery multiplication - Solving word problems

Ted bought 3 chocolate bars at 5p each. How much did he spend?

Repeated addition:

3 x 5 = 15 or 5 + 5 + 5= 15

Drawing a pictorial representation:

Counting in 2s, 5s and 10s from a multiple of 2, 5 or 10.

Recall multiplication facts for 2s, 5s and 10s x table.

Mastery Level

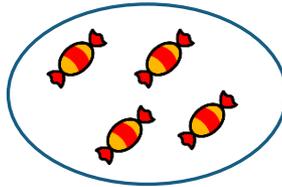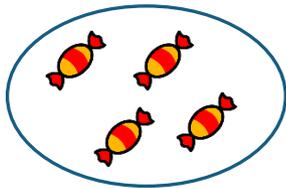Counting in 2s, 5s and 10s from any number.

Counting in 3s and 4s.

Try at Home!
Using multiplication when shopping, pairing up shoes, counting money.

Sharing into equal groups. 8 ÷ 2 =

You can also draw sweets into 2 equal groups to represent sharing.

Counting in groups by using times tables

For example 8 ÷ 2 is the same as counting "2,4,6,8"

so the answer must be 4

because 4 x 2 = 8.

Try at Home!
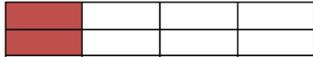Sharing out sweets, pencils and other things around the house!

Fractions

Children should be able to recognise, find, name and write fractions, and of a length, shape, set of objects or quantity.

- What fraction of the shape below is shaded?

- Pat is organising her teddy bears. She donates $\frac{1}{4}$ of them to charity. How many bears did she have left?

Measurement

Children should know the number of minutes in an hour & the number of hours in a day.

- The petals of the flower that shows how many minutes have passed the hour have fallen off. Can you put them back in the right order?

  5 40 50 20 30 25 45 55 35 10 15 60
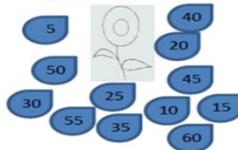
Children should be able to choose and use appropriate standard units to estimate and measure capacity (l/ml) and temperature (oC) to the nearest appropriate unit, using thermometers and measuring vessels.

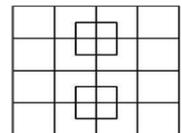- How much water is in the container?

  100mL
  80
  60
  40
  20
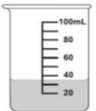
Geometry

Children can identify and describe the properties of 2D shapes, including the number of sides and line symmetry in a vertical line.

Look at the line of symmetry in the shape below. Do you agree it is a line of symmetry? Explain why.

- How many squares can you see in this picture?

- Draw a shape for a friend. How many lines of symmetry can they find? Can you now draw a shape with more lines of symmetry?

- ictgames.com
- www.woodlands-junior.kent.sch.uk – Woodlands resources for maths.
- topmarks.com
- kidsmathgamesonline.com
- bbc.co.uk/skillswise/maths
- http://www.mathschamps.co.uk/