

# Marvellous Maths

## Year 1:

This week we would like you to focus on number and number facts. Your child will find calculations and word problems much easier if they are very familiar with number bonds and number facts and can easily recall and recognise them.



### 1. Number bonds to 8

First ask your child to find 8 objects e.g. counter, buttons, lego bricks. Ask them to split them into 2 piles. Ask them to write the corresponding number sentence on a bit of paper e.g.  $4+4=8$ , repeat until they have found as many ways as possible. Now ask your child to put the sentences in a column showing a pattern e.g.  $1+7$ ,  $2+6$ ,  $3+5$  etc. Can they see a pattern? Have they found them all? Make sure the column starts with  $0+8$  and ends with  $8+0$ .

Now ask your child to complete the practice sheet either practically, by completing the sheet, or by drawing their answers in their own notebook etc.

### 2. Number bonds to 9

Repeat session 1 above but this time using 9 objects.

Now ask your child to complete the practice sheet. They can draw their own birthday cakes (or make them from playdough) and you could write your own missing number problems based on number bonds to 9 if you would prefer.

### 3. and 4. (two days' work) Number Bonds to 10 practice—choose a variety (or all!) of these games:

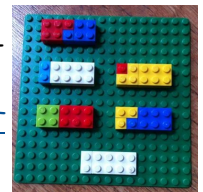
Ask your child if they can remember the "10 Chocolates in a Box" song from school? (as a prompt... "10 chocolates in a box, eat one up, yum yum yummy, now there are 9, but 1 is in my tummy... 9 chocolates in a box, eat one up, yum yum yummy, now there are 8, but 2 are in my tummy..." etc etc.)

Using a wire coathanger and ten pegs of two different colours for them to demonstrate with, ask your child to be the teacher, and teach you how to do number bonds to ten. Can they teach you to write the number sentences? Can they show you how to be systematic (ie moving one peg at a time)?



Make a number bonds rainbow for your window—see the PDF—fill in the number sentences by matching the ends of each colour and write the number sentences.

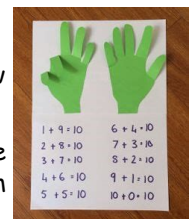
Try number bonds Lego—remembering to write the number sentences, or perhaps match the Lego to pre-written number bond cards.



Play the Number Bonds in the Jungle" game online — the link is here: <https://www.twinkl.co.uk/resource/T-60-01-number-bonds-1-to-10>

Play the number bond dice game— (See PDF) roll a dice and fill in the card to find the two parts that make up 10. How many different ways can you make ten?

Draw round and cut out your child's two hands and stick them to paper; ask them to use the fingers to show and write the number bonds.



Play number bonds ping-pong—you call out a number and show that many fingers — your child calls out the matching number bond and shows their fingers — how fast can you get? Swap roles—can you trick them occasionally and 'get it wrong'?

Print out, or make your own number bonds triangles (see the PDF): can your child fit the triangle together to make one big triangle — only the number bonds to ten are allowed to touch each other!

### 5. Doubles

Explain that doubling means adding two numbers that are the same together. Watch the Double Bubbles Song on the videos page. How many of the doubles can you shout out? Practice doubles to ten first, and then to twenty.

Play the doubles cards game—print off the cards, or make your own and shuffle — ask your child to pick a card and fill in the double speech bubbles.

Play the doubles Bus game (see PDF) - who can get to school first? Or time your child—how fast can they shout out the answer to each square?