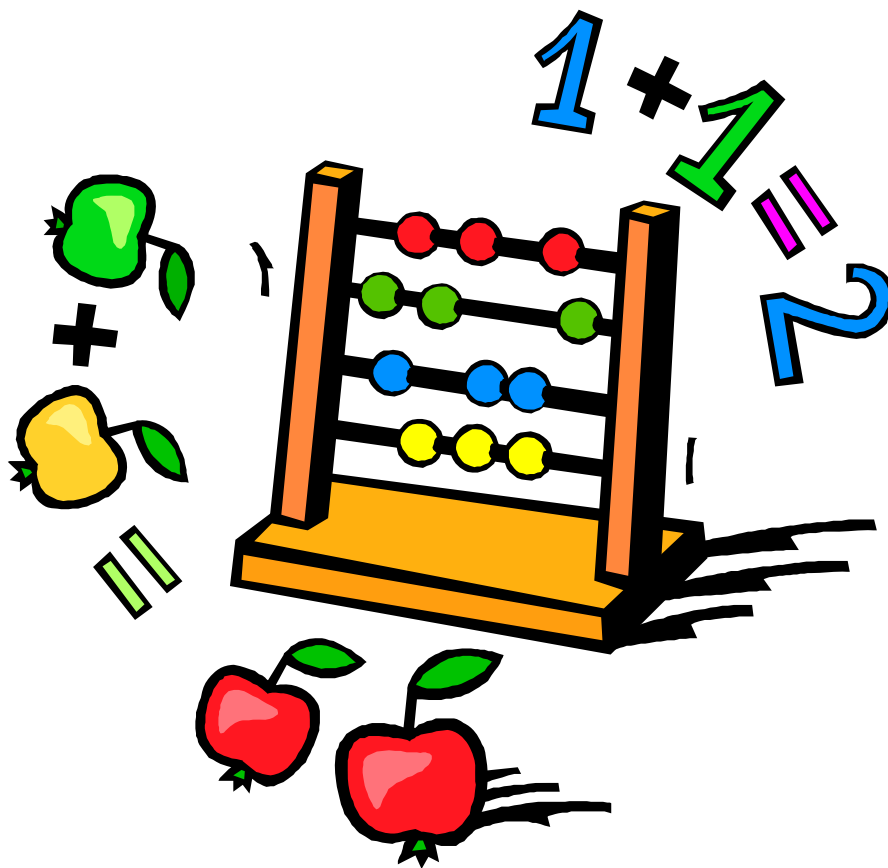




# Maths at Dorchester Primary School



How to help your child in  
Reception

## How we teach addition, subtraction, multiplication and division

### Addition

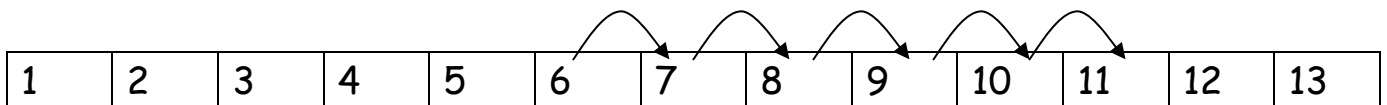
In reception your child is first taught how to count a group of objects. They are taught to recognise the numerals 0-9 and how they relate to the objects they have counted.

Your child will be taught to add practically using objects so they can see and understand what they are doing. To find 1 more or less your child will add or remove an object from a group.

When they are confident in doing this they will move on to use a number line to add.

They are taught to start on the biggest number and then jump along the number they are adding.

e.g.  $6+5=11$



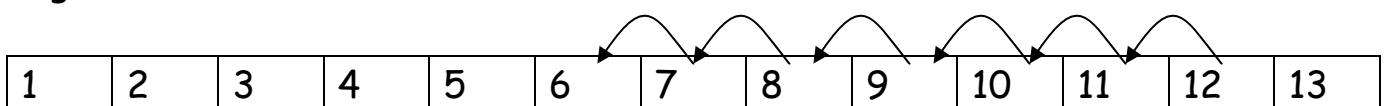
**Addition vocabulary:** plus, add, and, more than, more.

### Subtraction

In reception your child is taught to subtract practically using objects, when they are confident in doing this they move on to use a number line.

They would start on the largest number and jump back.

e.g.  $12-6=6$



**Subtraction vocabulary:** subtract, minus, take away, less than, less,

# Ways to help your child at home

## Games

Play board games like Snakes and Ladders and Ludo that involve counting. Play games like dominoes where children have to recognise, count and match number/pattern of dots. Play card games like Snap where children look for pairs and Happy Families where children have to make groups according to different criteria.

## Number

- Read, listen to and learn number rhymes and stories. Ask questions, make predictions, encourage interaction with the story e.g. actions
- Exploit all counting opportunities - count stairs, count buttons, count lampposts on a walk, count 'red' cars on a journey etc.
- Look for numbers whilst walking or on a journey
- Use magnetic numbers. Put them in order. Miss one out of a sequence - do they know which one is missing
- Talk about adding and taking away in everyday situations
- Ask questions like 'if I took one away how many would I have left?' or 'if I add one how many have I got now?'

## Practice:

- Counting in 2's, 5s and 10's
- Writing and reading numbers to at least 10



## Money

- Look at the different denominations of money. Sort coins into different denominations.
- Allow children to experience the use of real money



## Measures and shape

- Exploit opportunities for mathematical talk in everyday situations. Who's the tallest/shortest in the family? Who is the oldest/youngest in the family? When shopping which is the lightest/heaviest product? ... etc
- Involve children in cooking. Look at numbers on scales and measuring jugs.
- Look for and identify different shapes around the house and in the environment. Make pictures with different shapes.



## Reception Goals

These goals are intended to give you an idea of some of the things most pupils should be able to do by the **end** of this year.

- Count in order, saying and using the number names
- Count everyday objects up to at least 10
- Recognise numbers from 1 - 9
- Use words linked to adding and taking away in everyday situations
- Begin to understand that adding is combining two groups of objects and subtraction is 'taking away'
- Find one more or one less than a number
- Count aloud in ones, twos, fives and tens
- Talk about, recognize and create simple patterns
- Use the maths they know to solve simple problems
- Understand and use language such as more or less, greater or smaller, heavier or lighter to compare two numbers or two quantities
- Know the names of common flat and solid shapes e.g. triangle, square, circle, cube
- Describe where things are using words like between, in front, in the middle.











We hope this leaflet has helped you to understand how your child learns maths at Dorchester and that it will enable you to help your child to really enjoy maths.











Vicky Parnell Spring 2008

# Number Tracks

These are examples of number tracks your child will use to add and subtract.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
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 1	 2	 3	 4	 5	 6	 7	 8	 9	 10
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 1	 2	 3	 4	 5	 6	 7	 8	 9	 10
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