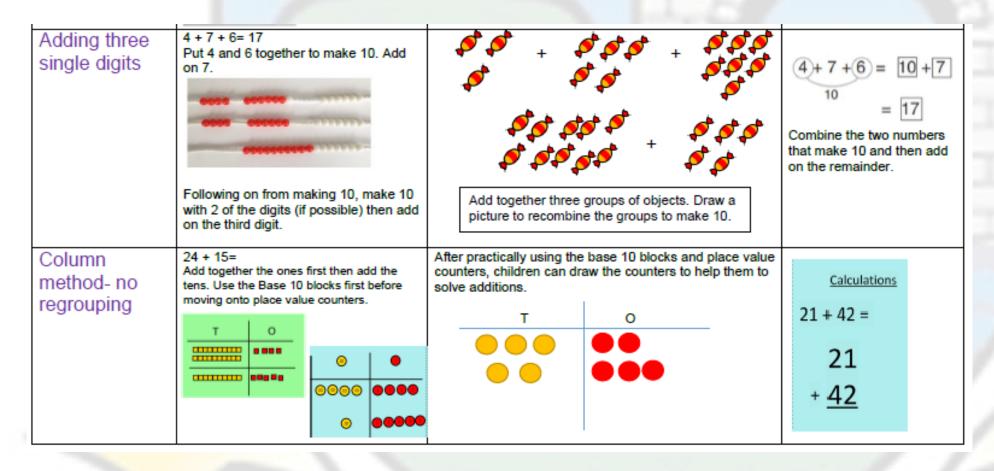


Parents' Guide to Mathematics at The Bythams Primary School Year 2

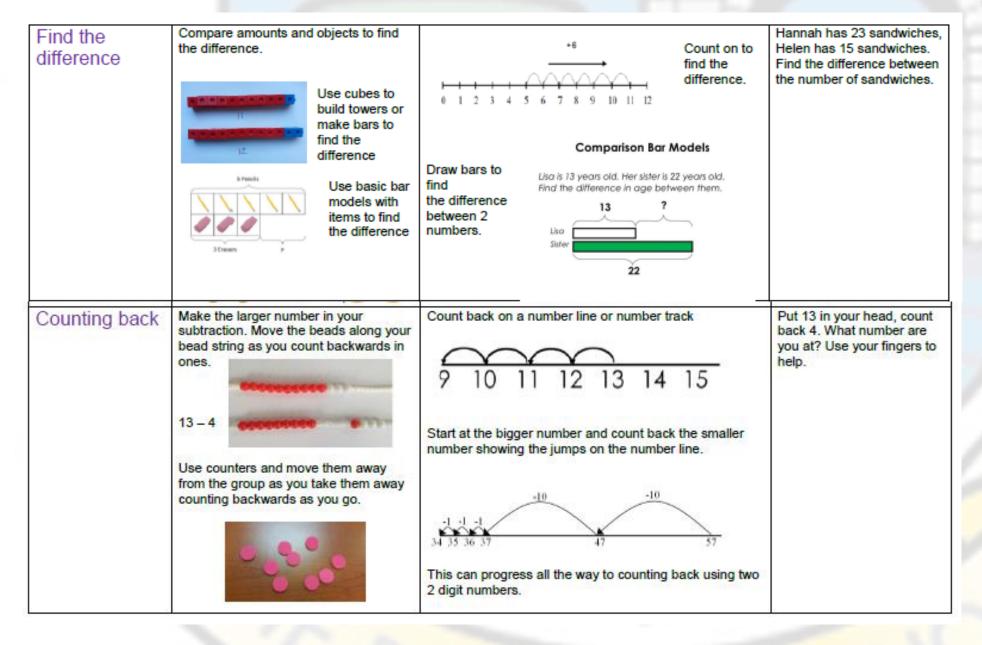
Dear Parents,

This booklet is to help you understand how the main four operations in Maths are taught at Bythams School. Each guide has the main objectives for the year group and how it is taught in the concrete, pictorial and the abstract. The concrete is all about physical things, such as cubes, bead strings and counters which the children manipulate to understand the objectives. The pictorial is when concepts are shown in a pictorial form such as photos, diagrams and number lines. The abstract moves to formal methods and word problems to understand the objectives. All three methods are used in conjunction with one another, not as a progression.

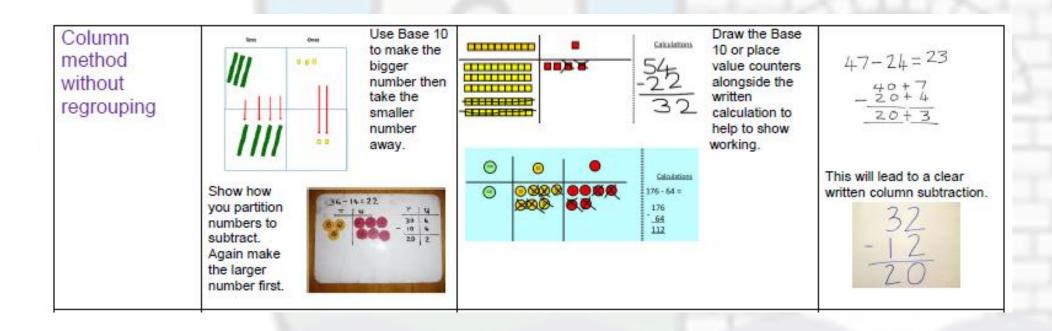
Addition



Subtraction

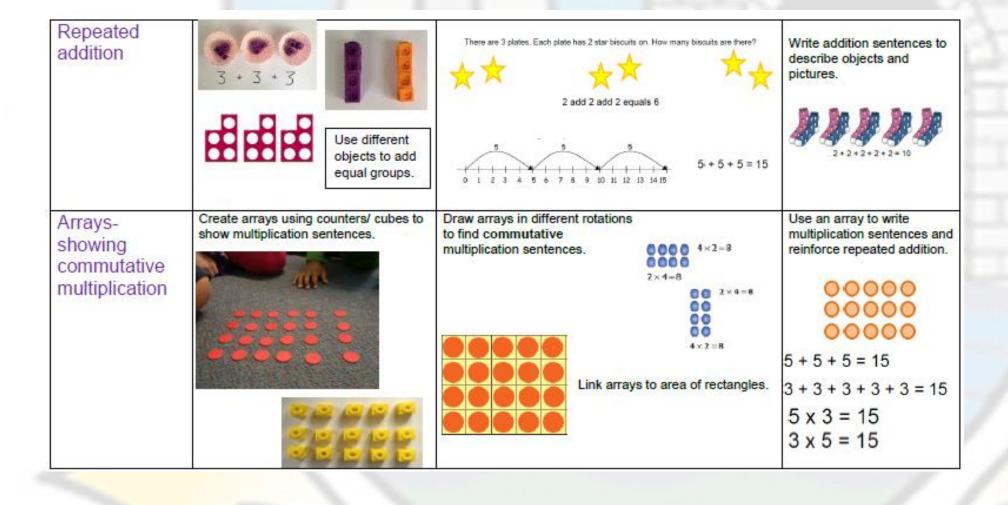


	10		Harris has 00
Find the difference	Compare amounts and objects to find the difference. Use cubes to build towers or make bars to find the difference Use basic bar models with items to find the difference	Count on to find the difference. Comparison Bar Models Comparison Bar Models Comparison Bar Models Lisa is 13 years old. Her sister is 22 years old. Find the difference in age between them. The difference between 2 numbers.	Hannah has 23 sandwiches, Helen has 15 sandwiches. Find the difference between the number of sandwiches.
Part Part Whole Model	Link to addition- use the part whole model to help explain the inverse between addition and subtraction. If 10 is the whole and 6 is one of the parts. What is the other part? 10 - 6 =	Use a pictorial representation of objects to show the part part whole model.	Move to using numbers within the part whole model.
Make 10	Make 14 on the ten frame. Take away the four first to make 10 and then takeaway one more so you have taken away 5. You are left with the answer of 9.	13 - 7 = 6 Start at 13. Take away 3 to reach 10. Then take away the remaining 4 so you have taken away 7 altogether. You have reached your answer.	16 – 8= How many do we take off to reach the next 10? How many do we have left to take off?

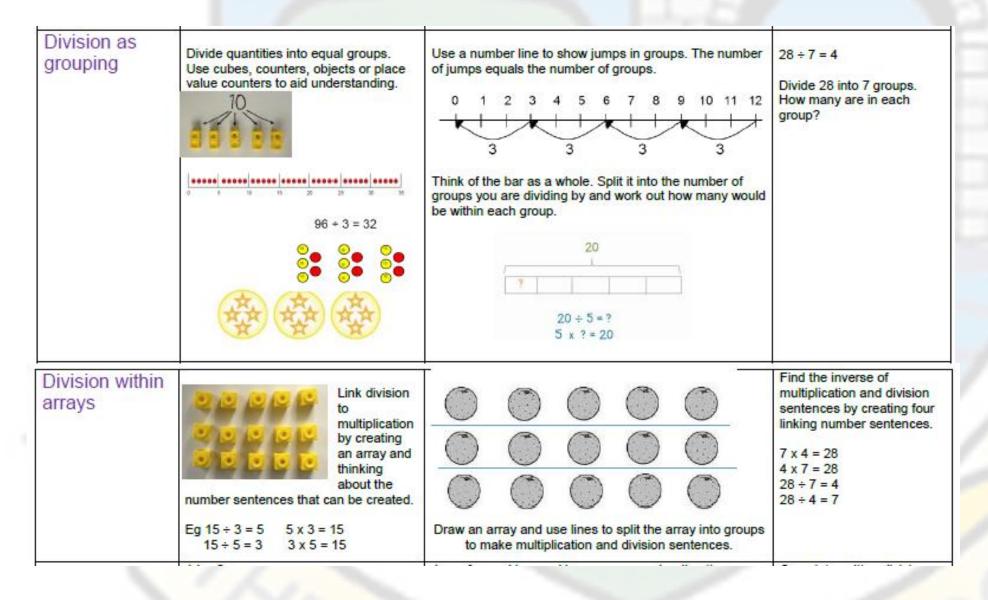


Multiplication

Objective and Strategies	Concrete	Pictorial	Abstract
Doubling	Use practical activities to show how to double a number.	Draw pictures to show how to double a number. Double 4 is 8	16 10 6 1 x2 1 x2 20 12 Partition a number and then double each part before recombining it back
Counting in multiples	Count in multiples supported by concrete objects in equal groups.	Use a number line or pictures to continue support in counting in multiples.	together. Count in multiples of a number aloud. Write sequences with multiples of numbers. 2, 4, 6, 8, 10 5, 10, 15, 20, 25, 30



Division



What you can do at home to help your child make progress

- play with wooden blocks building towers and other structures. Is it possible to build two towers of the same height, whatever number of blocks you start with?
- from a pack of cards (without the tens, the Jacks, the Queens and the Kings) play a game of pairs where you try to turn over two cards that add up to 10
- with a pack of dominoes play the game of 'pairs' where you turn over two dominoes so the total number of spots is 12
- talk about shapes that can be found in the house
- play a game of estimating then measuring the lengths of objects in the house
- play a game of ordering everyday objects according to their weight, and then weigh them

- when someone opens a door, talk about the angle the door has turned through
- draw your child's attention to the clock so they learn to match times with events
- talk about what whole numbers mean when they appear in everyday situations such as car number plates, road signs, on a clock face, a flat or a house number. For example, counting out odd and even house numbers on a street
- play a game of 'find the number' somewhere in the house or on the way to school.