

MATHS IN YEAR 2

JANUARY'18



To be the best I can be..

THE NATIONAL CURRICULUM FOR MATHEMATICS

Aims to ensure that all pupils :

- * Become fluent in the fundamentals of mathematics.
- * Reason mathematically
- * Solve problems by applying their mathematics



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BROMLEY HEATH INFANTS KEY STAGE 1 MATHS CURRICULUM

At Bromley Heath we love to have fun with our Maths learning! Everyday we experience our Maths learning through problem solving, which enables us to apply our Maths knowledge and understanding to real life situations. We have a real focus on Mathematical thinking and reasoning, using models and images to help us.



DAILY MATHEMATICAL REASONING

No Nonsense facts

15 – 20 mins every day.

Developing fluency through reasoning

Children will become fluent through developing their understanding **and ability to make connections.**



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DAILY MATHEMATICAL REASONING



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using understanding of $6 + 3 = 9$ to know that:

- $16 + 3 = 19$
- $53 + 6 = 59$
- $29 - 3 = 26$
- $79 - 6 = 73$
- $59 - 56 = 3$



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REQUIREMENTS OF THE YEAR 2 CURRICULUM

Addition and Subtraction

solve problems with addition and subtraction:

- using concrete objects and pictorial representations, including those involving numbers, quantities and measures
- applying their increasing knowledge of **mental** and **written methods**

recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100

add and subtract numbers using concrete objects, pictorial representations, and mentally, including:

- a two-digit number and 1s
- a two-digit number and 10s
- 2 two-digit numbers
- adding 3 one-digit numbers



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REQUIREMENTS OF THE YEAR 2 CURRICULUM

Addition and Subtraction

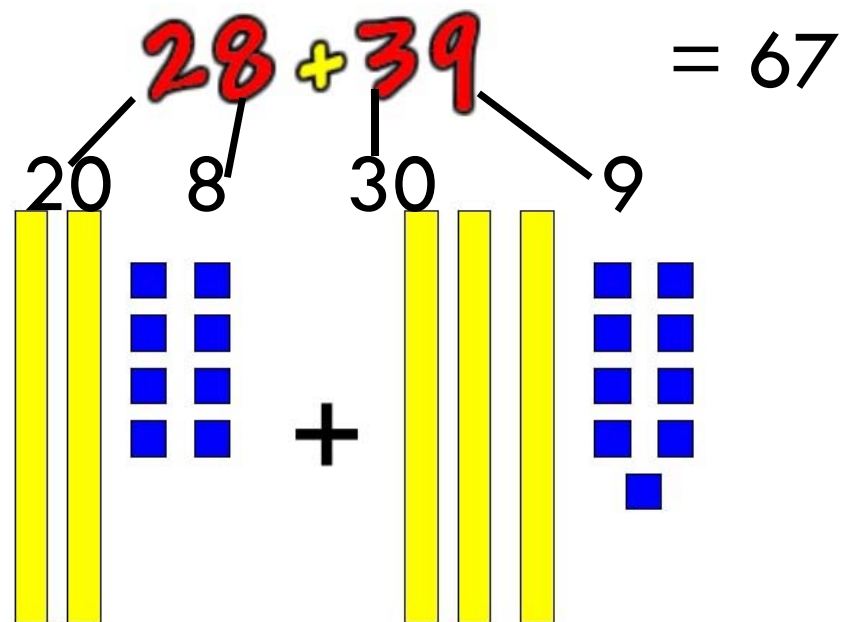
- show that addition of 2 numbers can be done in any order (commutative) and subtraction of 1 number from another cannot
- recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems



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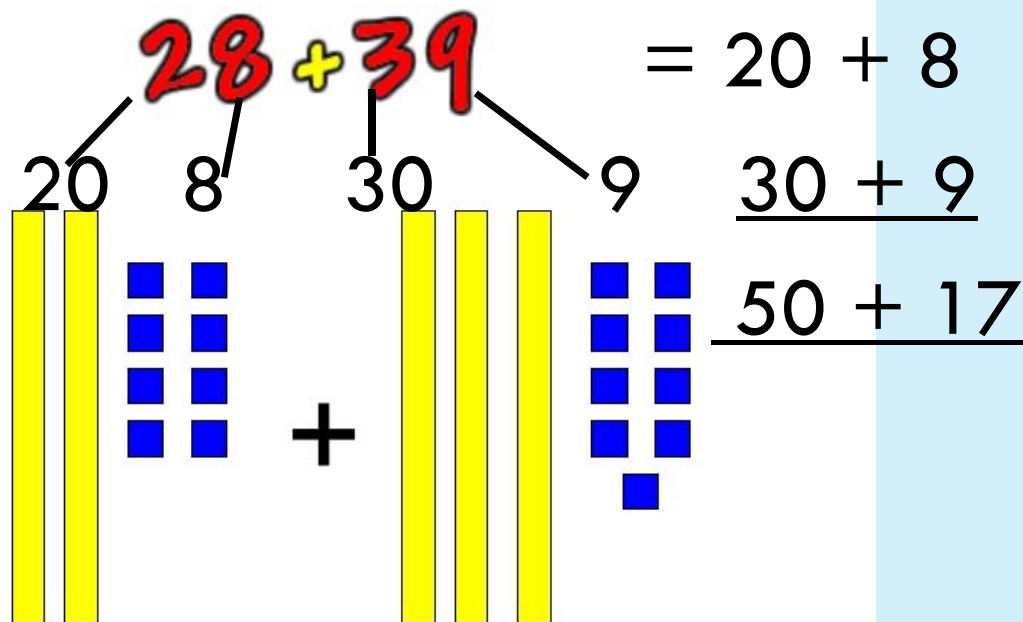
Addition of 2 digit numbers

Using base 10



Addition of 2 digit numbers

Using column method T. 0.



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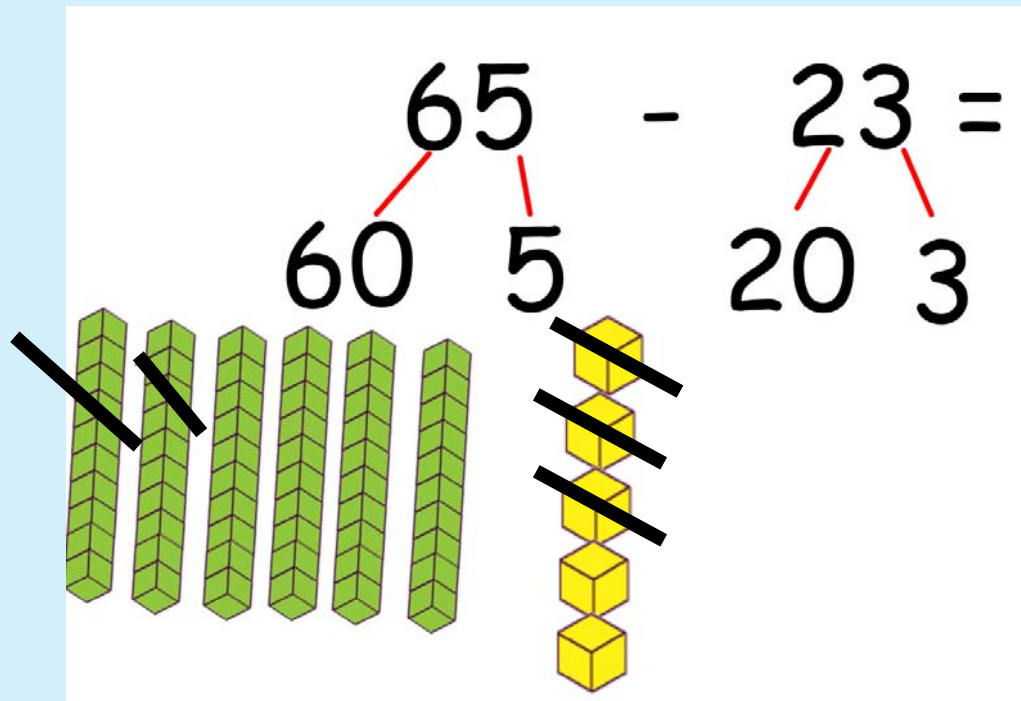
Addition of 2 digit numbers

Using column method

$$\begin{array}{r} \text{T.O.} \\ 28 \\ \underline{39+} \\ 67 \\ 1 \end{array}$$

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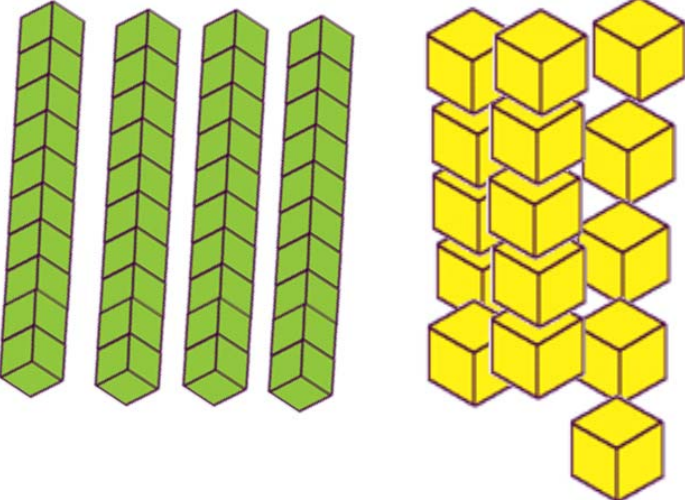
Subtraction



SUBTRACTION

$65 - 28 =$

50 ~~60~~ 15



20 8

50 ~~60~~ 15

20 8 -

SUBTRACTION

Subtraction

$$\begin{array}{r} \text{T. O.} \\ \hline 5 \cancel{6} 15 \\ 28 \text{ ---} \\ \hline 37 \end{array}$$



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MENTAL APPROACHES

Use facts they know

E.g.

$$7 + 3 + 9 = 19$$

MENTAL APPROACHES

Partition to add and subtract



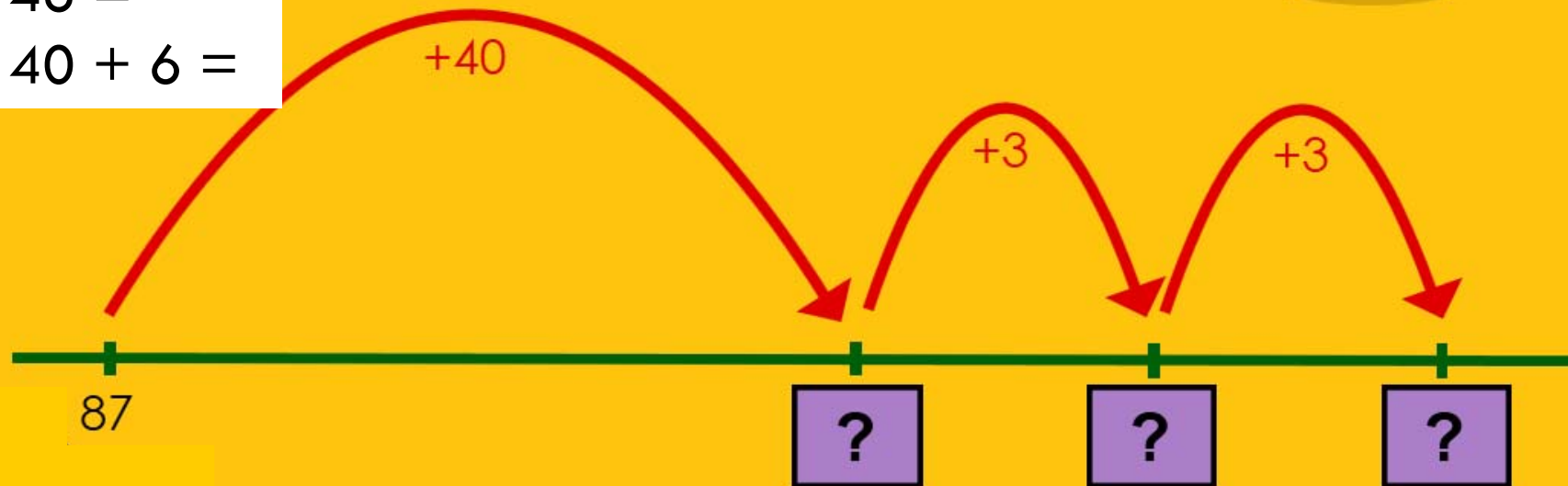
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Swing has brought 87 doodlepips to take on the mission. Scuba brings 46 more. How many do they have altogether?



$$87 + 46 =$$

$$87 + 40 + 6 =$$



YEAR 2 HELPING AT HOME

- Continue to support your child with the **Super Maths Facts** and times tables they are learning .Lots of quick fire practice of facts concentrate on the tricky ones and keep recapping the ones they already know. This will take time and retention is key.
- **Hit The Button** great for multiplication and then inverse
- **Lots of practise** add ones, then only tens, before tens and ones.
- **Learning to tell the time** to the nearest 15 mins, then 5 mins . This is a vital skill they need to know by the end of the year.
- **Money:** counting coins in your purse/ pocket.
- **Mathletics / Regular maths Homework Term 4**



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