

Whiteley Primary School:

Useful maths strategies for
parents of children in Year 1.

A little bit of background....

- Results of international and national research indicate that we need to improve children's and young adults confidence and competence in mental calculation.
- Most of the calculations we need to do, outside as well as inside the school gates, are done with no pencil and paper to hand.
- We know that teaching children written procedures at too early a stage in their mathematical development can and does have a profound adverse effect upon their ability to operate mentally.
- We need to ensure that children become confident and comfortable when operating with numbers 'in their heads'.

So why are we all here?

The main purpose of this meeting is to share with you the strategies which we are using at school so that you can help your child to work with numbers at home.



Ways to help with addition:

plus, add, more, altogether, sum, total

- Counting all objects (1 to 1 correspondence)
- Counting on from the first number
- Counting on from the largest number
- Using a known addition fact
- Using a known number bond to help them to calculate (Numicon)
- Using knowledge of place value

Ways to help with subtraction

take away, less, fewer, minus, less than, difference between.

- Removing objects
- Counting back from
- Counting back to (difference between)
- Counting up
- Using a known number fact
- Using knowledge of place value

How can I help my child to record?

Draw simple pictures and talk about it...



Write the numbers in a number sentence....

$$3+2=5$$

How can I help my child to record?

Draw simple pictures and talk about it...



How can I help my child to record?

Draw simple pictures and talk about it...



Write the numbers in a number sentence....

$$7-3=4$$

How can I help my child to record?



If I have 12 apples and pick 4 more, how many do I have altogether?

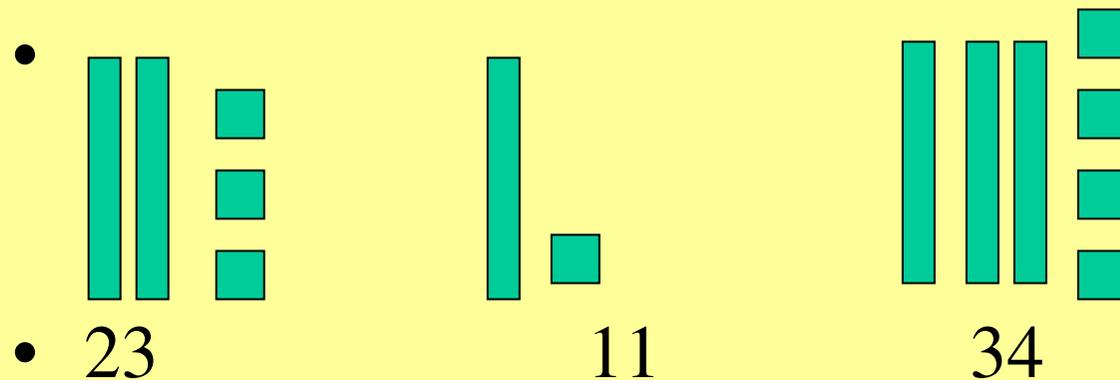
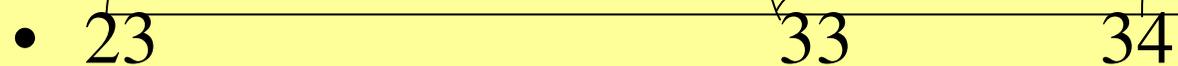
How can I help my child to record?



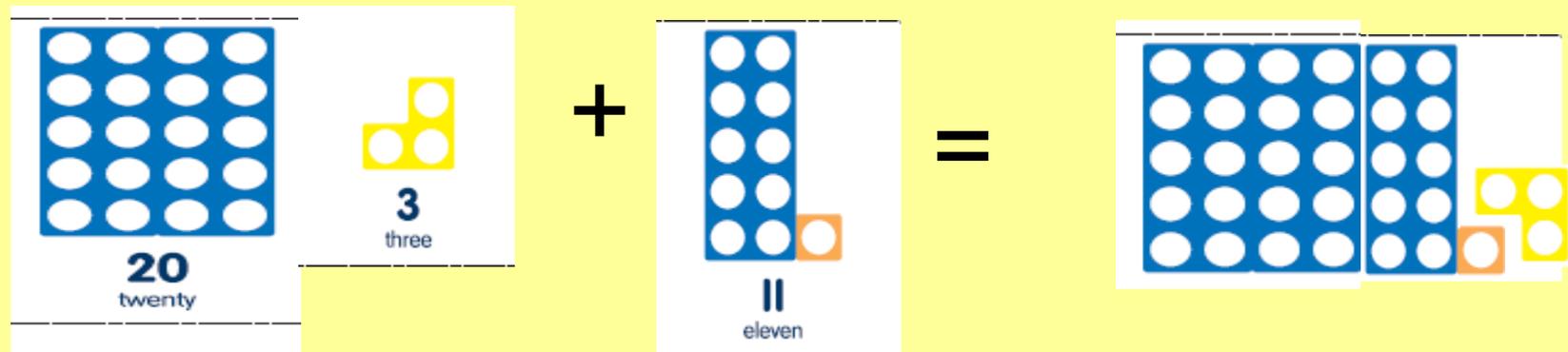
If I have 16 sweets and I eat 4 how many do I have left?

How can I help my child to record?

- $23 + 11$



How can I help my child to record?



Numicon

Ways to help with multiplication

- Counting in 2's, 5's and 10's
- Grouping objects into sets of 2's 5's and 10's
- Identifying patterns in number sequences
- Doubling (numbers to 10)

We encourage the children to physically group objects or record using pictures.

Ways to help with division

- Share objects equally between two people
- Grouping objects
- Halving numbers

We encourage the children to physically group objects or record using pictures.

Making it real.

- Look for fun ways to use their mental strategies: how many pairs of shoes does Barbie have, can you total the numbers on car registration plates, how much money is in your money box, how many different ways can you make 10p?
- Ensure that your child knows that you are interested in how they solved it not just giving you the right answer.
- Ask them to talk to you about what they did.