



Maths

Written
Calculations
Policy



Written Calculations Policy

At Blakesley Hall School we want all of our children to enjoy and succeed in Maths. We teach children to calculate mentally wherever possible and this is supported by written methods which are appropriate to the level of understanding of the pupils. We have created this Written Calculations Policy to support pupils, teachers and parents so that all children are taught the correct method for their age and ability.

Advice for parents

As well as teachers, we know that parents have an important role in our pupil's learning. All parents should be helping children with Maths at home. Therefore, we feel it is crucial to share the calculations policy with you all, so that children are taught the same methods for maths at home as in school.

- Please take some time to look at the methods your child is being taught in school, and practise these together. If you are unsure of your child's level, then please ask their teacher.
- It would be a good idea to display the calculations policy you have been given for your child on the wall close to where they do their homework.
- When children are doing their Numeracy homework, please check that they are using the correct methods appropriate for their level of learning. Please be aware that the strategies are progressive and should be taught/practised in order.
- If you have any questions about any of the methods, please come in and speak to your child's teacher. **We need to work together to help our children to improve.**

We hope that you find this information helpful.



Maths

Year 1

Addition

National Curriculum expectations are that by the end of Year 1 children will be expected to represent and use number bonds and related subtraction facts within 20 and add and subtract one-digit and two-digit numbers to 20, including zero.


Number bonds to 20

Children need to know their number bonds to 20 and then use their knowledge to add numbers together.

Making Number Bonds

Lesson 1

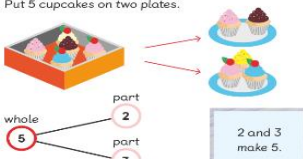
In Focus



How many cupcakes are there on each plate?
Is there another way to put the cupcakes on the two plates?

Let's Learn

1 Put 5 cupcakes on two plates.



whole 5
part 2
part 3


2 and 3 make 5.

This is a number bond.
Number Bonds Page 26

Add by Using Number Bonds

Lesson 1

In Focus

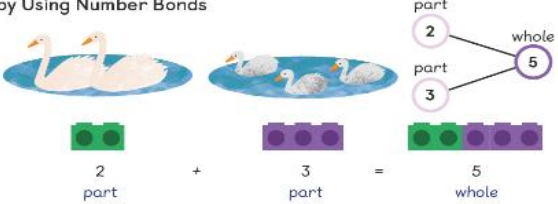


How many swans are there altogether?
How can we find out?

Let's Learn

Add by Using Number Bonds

1



2 part + 3 part = 5 whole

There are 5 swans altogether.


Number lines

Children can add on by counting on and recording the answer on marked number lines and then blank number lines.

Add by Counting On

Lesson 2

In Focus




There are 6 buttons in the box.

How many buttons are there in total?

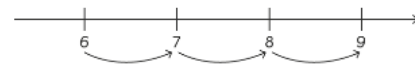
Let's Learn

Add by Counting On

1 $6 + 3 = ?$



Count on 3 steps from 6.



$6 + 3 = 9$

There are 9 buttons in total.

Addition Within 10 Page 37

Missing numbers

As children develop their understanding of numbers bonds they can use this to help them solve missing numbers.

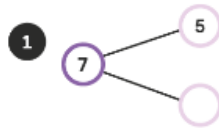
Completing Number Sentences

Lesson
3

In Focus

How many beans are in the other hand?
How can you tell?

Let's Learn



$$7 = 5 + \square$$



I have 7 beans
in my hands.



7 is 5 and
another number.

Subtraction

National Curriculum expectations are that by the end of Year 1 children will be expected to represent and use number bonds and related subtraction facts within 20 and add and subtract one-digit and two-digit numbers to 20, including zero.

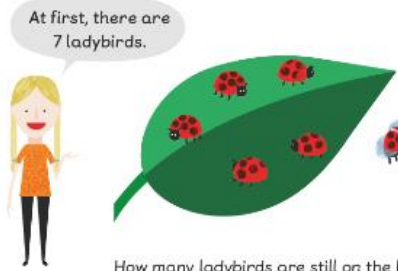
Children will continue to use objects and pictures to support their understanding of subtraction.

Subtract by Crossing Out


Lesson 1

In Focus

At first, there are 7 ladybirds.




Then, 2 ladybirds fly away.



How many ladybirds are still on the leaf?

Let's Learn

Subtract by Crossing Out

1 

$7 - 2 = 5$
5 ladybirds are left.

$7 - 2$ is read as **minus**.
It means to **subtract**.

$7 - 2$ is **equal** to 5.


$7 - 2 = 5$ is a subtraction equation.
We read it as seven minus two equals five.

As the children progress they will use their knowledge of numbers bonds and counting back on the number line to solve subtraction problems.

Subtract by Using Number Bonds

Lesson 2

In Focus




How many boys do not wear glasses?


There are 4 boys.
3 boys wear glasses.

Let's Learn

Subtract by Using Number Bonds

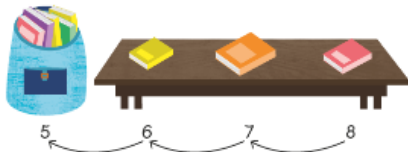
1 

$4 - 3 = 1$
whole part part



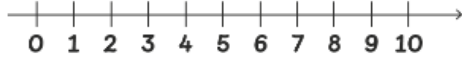
Subtract by Counting Back

$8 - 3 = ?$



Count back
3 steps from 8.

1 2 3 4 5 6 7 8 9 10



$8 - 3 = 5$

There are 5 books in the bag.



Fact Families

Children will be able to develop and secure their knowledge of addition and subtraction by learning about the relationship between addition and subtraction. They will continue to use objects support their development.

Addition and Subtraction

Lesson
6

In Focus

Write addition and subtraction equations.



There are 7 apples.
5 apples are red and
2 apples are green.

Let's Learn



How many apples are there altogether?

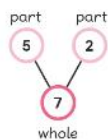
$5 + 2 = 7$ or $2 + 5 = 7$

How many apples are red?

$7 - 2 = 5$

How many apples are green?

$7 - 5 = 2$



These are addition and subtraction equations.

They make up a family of addition and subtraction facts.

Multiplication

Children will continue to develop their understanding of multiplication as equal groups. They will continue to use objects and pictures to help them solve multiplication questions.

Let's Learn

1




There are 4 trays.

4 trays of 5 = 20

4 groups of 5 = 20

4 fives = 20

There are 20  altogether.

Each tray has 5  .

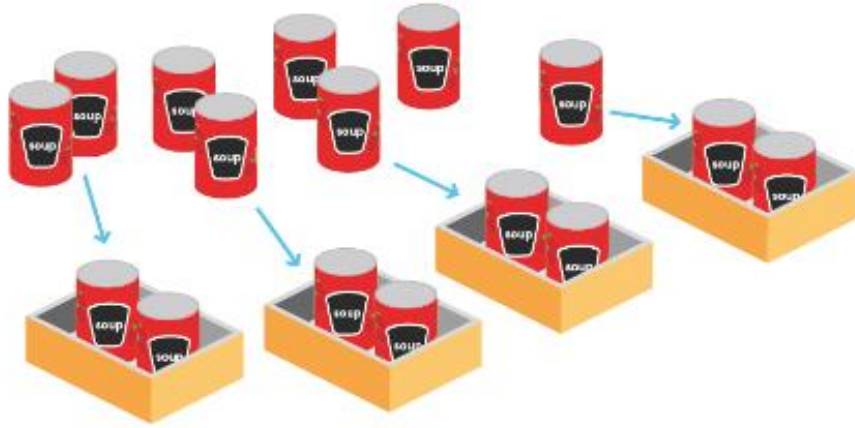
5, 10, 15, 20

Children will continue to practise counting in 10s, 2s and 5s in order to prepare them for recall of times tables.

Division

As with multiplication, children will continue to develop their understanding of equal groups, sharing and grouping in 10s, 2s and 5s using objects to support their learning.

1 There are 8 cans.



There are 4 boxes of 2 cans.