Mothletics



Year 1 White Rose Maths (WRM) Spring Scheme of Learning, 2018 Alignment with Mathletics

Year 1 – Yearly Overview											
	Week 1 Week 2 Week 3 Week 4			Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Autumn	Number: Place Value (within 10)				Number: Addition and Subtraction (within 10)			Geometry: Shape	Va	er: Place lue in 20)	Consolidation
Spring	Number: Addition and Subtraction (within 20)				(within 50) (Multiples of 2, 5 and 10			rement: h and ght	Weig	rement: ht and ume	Consolidation
Summer	ar (Reinfor	r: Multip nd Divisic ce multip 0 to be in	on oles of 2,	Num Frac	E O U Valu		lue	Measurement : money	Ti	me	Consolidation

This alignment document has been based on the White Rose Maths (WRM) scheme of learning available on the TES website. It contains the alignment information for the Spring Scheme of Learning.

www.mathletics.com

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Purpose:

The aim of this document is to support Mathletics teachers, who use the WRM schemes of learning, to make full use of the resources available within Mathletics. Whenever possible, activities, pages from the eBooks or learning experiences on Rainforest Maths have been matched to each of the small steps on the corresponding WRM scheme of learning.

In Mathletics, many eBooks are available in the student interface, however all eBooks are available to teachers through the teacher console. These topic-based eBooks contain practice and fluency exercises, along with application questions and games. Only a small selection of the relevant pages is contained in this document.

Links to Rainforest Maths, which can be found in the 'Play' area in the Mathletics student interface, have also been included. This resource has engaging visuals which work well on interactive whiteboards and gives pupils further opportunities to practise their learning online.

Course selection:

A specific Mathletics course has been created in alignment with this WRM scheme of learning. You may wish to set this course for your class/groups.

England Yr 01 WRM Autumn and Spring Aligned





Differentiation







Student Growth



Blended Learning



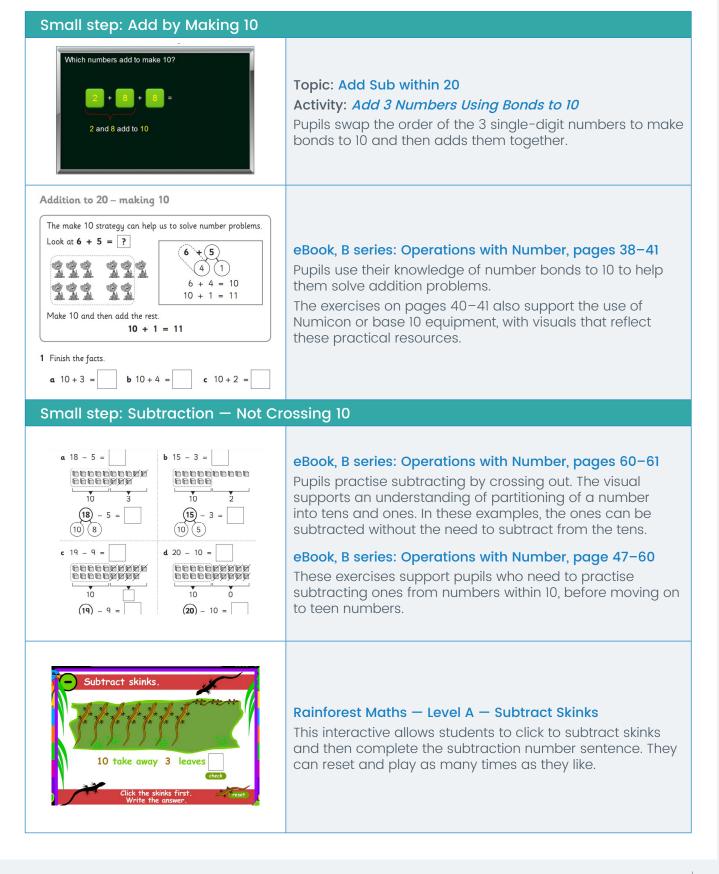
Examples of alignment to Mathletics Block 1 (Weeks 1-4) Number: Addition and Subtraction

National Curriculum Objectives	WRM Small Steps	
 Represent and use number bonds and related subtraction facts within 20. Read, write and interpret mathematical statements involving addition (+), subtraction (-) and equals (=) signs. Add and subtract one-digit and two-digit numbers to 20, including zero. Solve one step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number 	 Add by Counting On Find & Make Number Bonds Add by Making 10 Subtraction - Not Crossing 10 Subtraction - Crossing 10 (1) Subtraction - Crossing 10 (2) Related Facts Compare Number Sentences 	
problems such as $7 = [] - 9$.		

Small step: Add by Counting On

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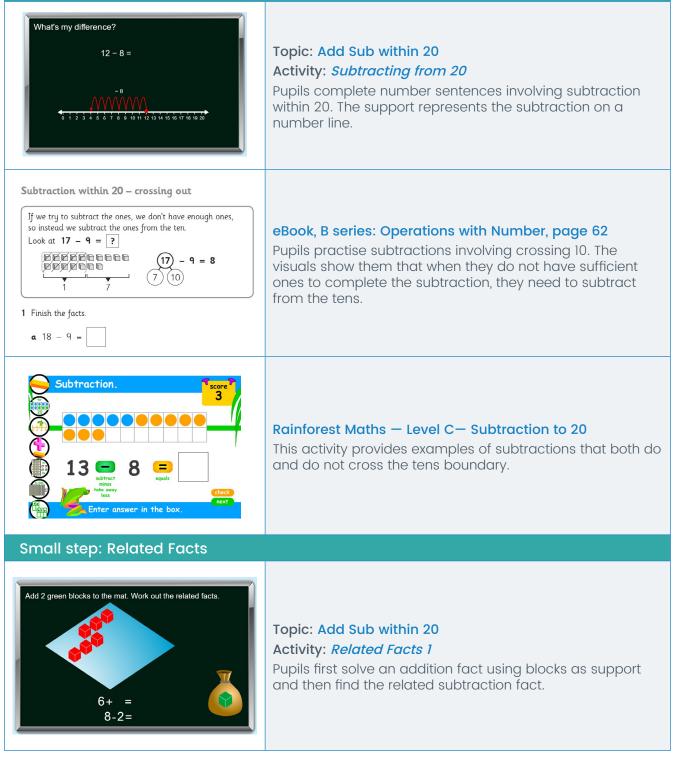
Addition to 20 - counting on Read the addition sentence: 13 + 5 = ? eBook, B series: Operations with Number, pages 28-30 Start by finding the largest number and count on the smaller number. smaller number. 1 - 2 - 3 + 5 - 7 - 8 - 9 - 10 - 11 - 12 - 13 + 15 - 16 - 17 - 18 - 9 - 20The number you land on is the answer, so 13 + 5 = 18Pupils solve additions up to 20 by counting on using a number line. These pages also contain a game for pupils to play in 1 Count on using the number line. Complete the number sentences. a 12 + 3 = pairs. Using counting on as a strategy for addition, they put 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 together rockets. **b** 14 + 5 = + Addition ... plus or add. Rainforest Maths – Level C – Addition ... plus or add 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 2 Pupils practise counting on using a number line to add 2 numbers with a total up to 20. 10 + 2 = Small step: Find & Make Number Bonds Number bonds to 10 are all the pairs of numbers that when added together make 10. There are 10 pegs altogether on the coat hanger. There is 1 peg eBook, B series: Operations with Number, pages 1-13 1 + 9 = 10 ≺ How many pegs are Pupils practise finding and making number bonds for there altoo numbers from 5–10. The exercises illustrate number bonds 1 Write down one addition and one subtraction sentence for each picture in a range of different ways. 88888888 8888888 -88



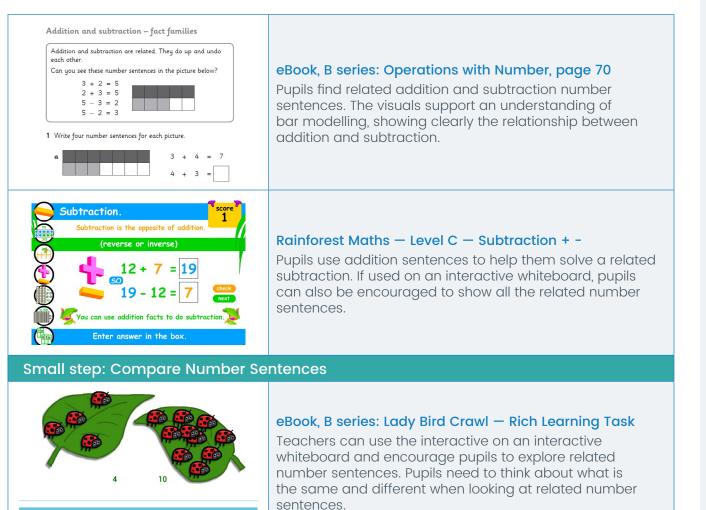
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Small step: Subtraction – Crossing 10 (1)(2)



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The activity can be extended by asking pupils to think of the related subtraction sentences and recording them.

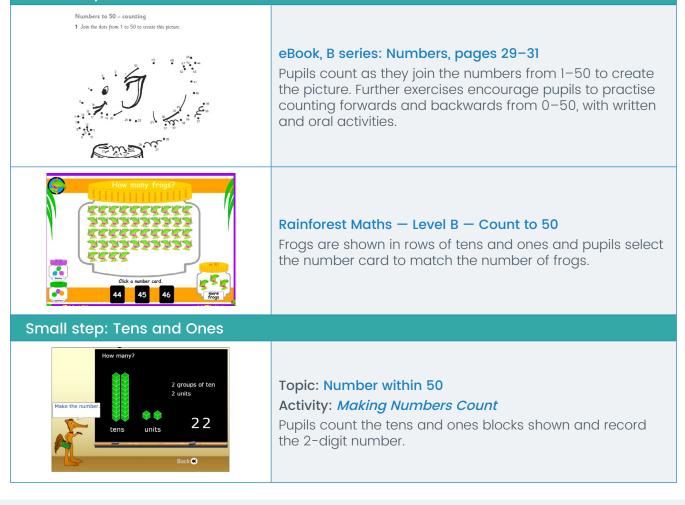
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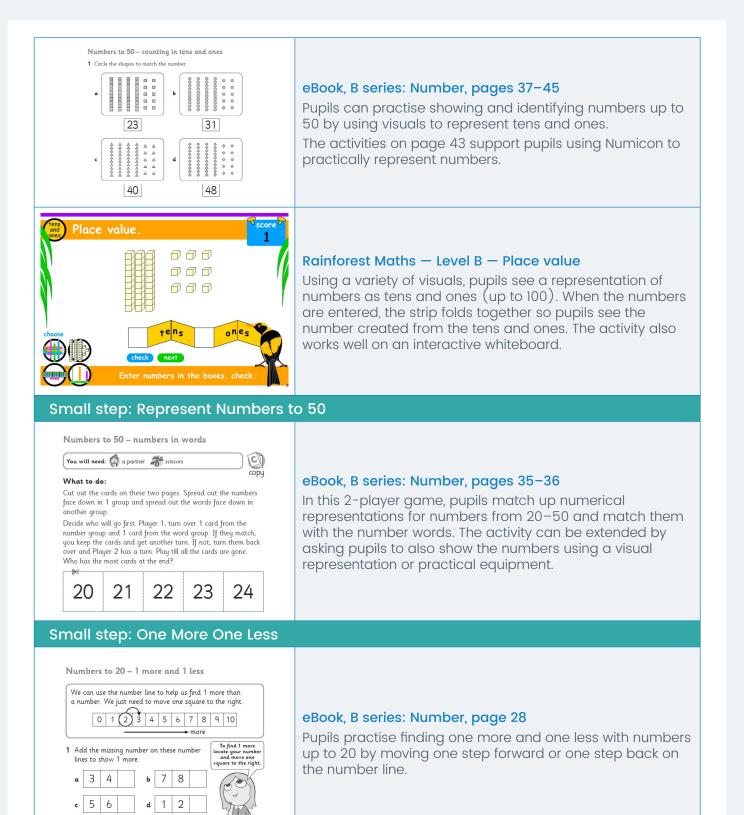


Examples of alignment to Mathletics Block 2 (Weeks 5-7) Number: Place Value

National Curriculum Objectives	WRM Small Steps
 Count to 50 forwards and backwards, beginning with 0 or 1, or from any number. Count, read and write numbers to 50 in numerals. Given a number, identify one more or one less. Identify and represent numbers using objects and pictorial representations including the number line, and use the language of: equal to, more than, less than (fewer), most, least. Count in multiples of twos, fives and tens. 	 Numbers to 50 Tens and Ones Represent Numbers to 50 One More One Less Compare Objects within 50 Compare Numbers within 50 Order Numbers within 50 Count in 2s Count in 5s

Small step: Numbers to 50

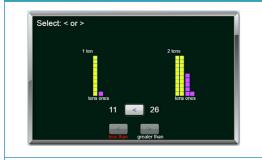




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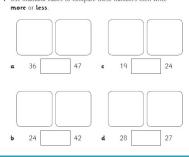
Small step: Compare Objects within 50



Topic: Number within 50 Activity: *Compare Numbers to 50*

Pupils compare two 2-digit numbers represented with place value blocks (up to 50), using inequality symbols.

Numbers to 50 – comparing numbers 1 Use multilink cubes to compare these numbers then write



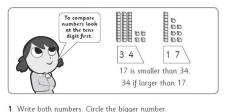
eBook, B series: Number, pages 47-49

Pupils use various representations of numbers to 50 to make comparisons using the language of 'more' or 'less'.

Small step: Compare Numbers within 50



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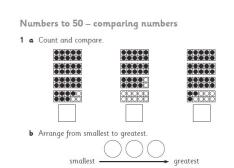
eBook, B series: Number, pages 46-48

Pupils identify the number represented by visuals of tens and ones and then circle the bigger or smaller number.

Additional exercises on these pages also represent numbers to 50 with visuals that support the use if Numicon and the introduction of place value cards.

Small step: Order Numbers within 50

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eBook, B series: Number, page 49

Using visuals that support the use of Numicon and base 10 equipment, pupils identify numbers to 50 and then order them from smallest to largest.

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Small step: Count in 2s

Skip counting - in 2s

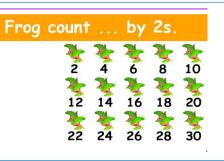
1 Fill in the missing numbers. Say them out loud as you write them.

1	3	5	7	٩	
11	13	15	17	19	
21	23	25	27	29	

eBook, B series: Number, pages 63-65

These pages include activities where pupils practise counting in 2s out loud, by recording the numbers and by drawing groups of 2 objects. There are activities to be completed by individuals and for collaborative work.

2 Count in 2s to find how many eyes are looking at you.

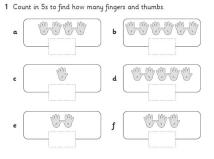


Rainforest Maths – Level B – Count by 2s

Pupils count in 2s as they add groups of 2 frogs. They can also subtract groups of 2 frogs and count in 2s backwards.

Small step: Count in 5s

Skip counting – in 5s



Butterfly count ... by 5s.

eBook, B series: Number, pages 66-67

Pupils practise counting in 5s, recording the numbers and drawing groups of 5 objects.

Rainforest Maths – Level B – Butterfly count ... by 5s

Pupils add groups of 5 butterflies and count on in 5s. They can then subtract groups of butterflies and count back in 5s.

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Examples of alignment to Mathletics Block 3 (Weeks 8–9) Measurement: Length and Height

Block 3 (weeks 8–9) Medsurement: Length and Height					
National Curriculum Objectiv	ves	WRM Small Steps			
 Measure and begin to record lengths heights. Compare, describe and solve practiproblems for: lengths and heights (example, long/short, longer/shorter, short, double/half). 	ical for	 Compare Lengths & Heights Measure Length (1) Measure Length (2) 			
Small step: Compare Lengths & H	leights				
Click the shortest.	Activity: A Pupils cho	easurement (Length & Height) Everyday Length bose the shortest/tallest, shortest/longest or widest of 4 objects.			
Length - compare and order lengths We can compare lengths. Look at this lead pencil. The others are: The others are: The other are: The o	eBook, B series: Measurement, page 2 Pupils work with a partner. Using a non-standard measuring stick (eg a streamer or string), they compare the length of objects, sorting them into 'longer than', 'shorter than' and 'the same as' the length of their measuring stick.				
Length longer, shorter.	Pupils cor	rest Maths – Level A– Length compare the lengths of 2 creatures and choose rrect labels to describe which is longer and which is			
Length taller, shorter.	Pupils cor	t Maths – Level A– Length npare the heights of 2 creatures and choose at labels to describe which is taller and which is			



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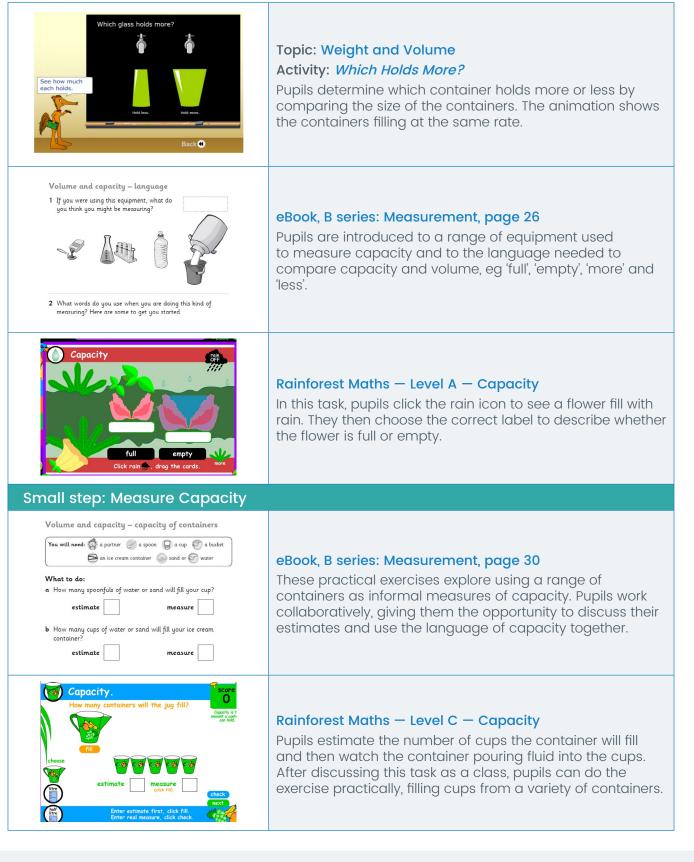
Examples of alignment to Mathletics Block 4 (Weeks 10–11) Measurement: Weight and Volume

National Curriculum Objecti	ves	WRM Small Steps		
 Measure and begin to record mass/victor capacity and volume. Compare, describe and solve pract problems for mass/weight: [for example, heavy/light, heavier than, lighter the capacity and volume [for example, empty, more than, less than, half, ha quarter]. 	ical mple, an]; full/	 Introduce Weight & Mass Measure Mass Compare Mass Introduce Capacity Measure Capacity Compare Capacity 		
Small step: Introduce Weight & M	lass			
Balance the clowns. Balance the objects. Back C	Topic: Weight and Volume Activity: <i>Everyday Mass</i> In this activity, an unbalanced scale is presented. Pupils click to add objects to 1 side in order to balance the scale.			
Mass – using balance scales We can use scales to measure the mass of objects. I Image: Circle the heavier object. Image: Circle the heavier objec	eBook, A series: Measurement, pages 17-23 In these pages the concepts and language of weight and mass are introduced. Pupils use direct comparison to describe objects as 'heavier' or 'lighter'. Balance scales are also used to illustrate the concepts.			
Mass. heavier lighter Drog the cards.	Pupils pra	est Maths – Level A – Mass ractise 'reading' a balance scale to determine which s 'heavier' and which is 'lighter'.		

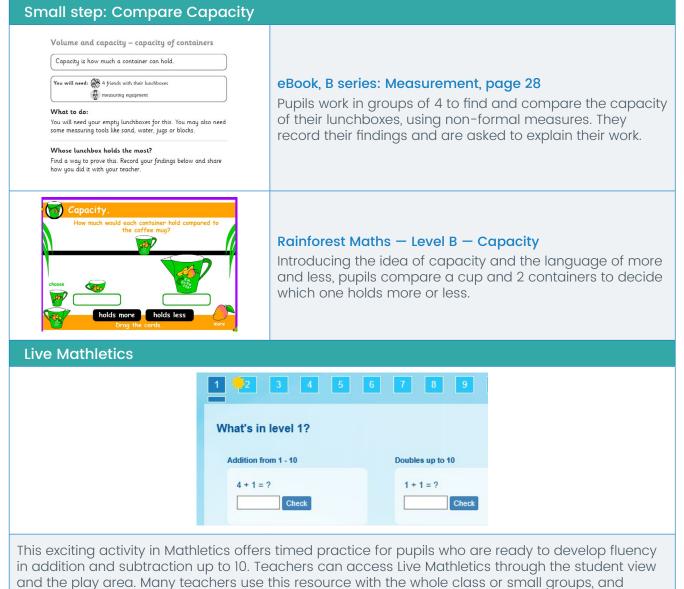


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and the play area. Many teachers use this resource with the whole class or small groups, and have pupils either calling out answers or recording on whiteboards. If they do access the game independently, they can select to play against their peers, the computer, or with other pupils from around the world.











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