	<u>Spring 2 Year 1</u>	L.E.A.D. Academy Trust
Links to prior learning/ objectives:	Resources	Vocabulary: Lead • Empower • Achieve • Drive
Children will have learned to read and recognise numbers to 10 and 20. Counting with accuracy, forwards and backwards, using a range of strategies: one to one correspondence; counting out and counting all, counting on and building through ten. Number bonds to 10 and 20. Finding one more, one less. Addition and subtraction with numbers up to 10 and 20. Representing amounts up to 10 /20 and problems with concrete objects and pictorially. Basic understanding of vocabulary associated to measure. Skills of comparison- this one is larger/ more / greater than.	 Base10, numicon, number lines, number tiles, counting objects, bead strings, balance scales (for number bonds to 10), tens frames, two-sided counters, measuring equipment, objects/items to measure and compare. Mastery: (where to find some resources) Teaching for Mastery White Rose New and old documents Mastery maths stickers Nrich (curriculum mapping) 	Forwards, backwards, read, write, interpret, represent, statements, number sentence, calculation. Number bond, add, subtract, addition, subtraction, one digit, two digit, zero, Number bonds, add, subtract, addition, subtraction, read, write, interpret, represent, statements, number sentence, calculation, digit, numeral, number, pictorial representation, missing number. <i>Length</i> Length, width, height, depth Long, longer, longest, short, shorter shortest, tall, taller, tallest, high, higher, highest Low, wide, narrow, deep, shallow, thick, thin Far, near, close Metre, ruler, metre stick <i>Weight</i> Weigh, weighs, balances Heavy, heavier, heaviest, light, lighter, lightest Scales <i>Capacity/volume</i> Holds Container Full, half full, ompty
Objectives and Teaching		
Week 1 Barriers to ARE (misconceptions): Children may not have a secure understanding of what a number is. Understanding of teens numbers/ counting past ten.	 Count to fifty, forwards and backwards, beginnin To know how to count forwards and back To understand place value in numbers up To develop the skill of identifying tens and 	ng with 0 or 1, or from any given number. wards up to and including 50. to 50. d ones in two digit numbers.

Accuracy with counting with larger numerals. Phonic knowledge- hearing and saying each numeral correctly.	 Spring 2 Year 1 To develop the skill of representing numbers up to 50. To know how to find one more and one less than a given number up to 50. (This may need separating into two lessons) 	
Fluency Use ten frames and counters to show how many apples Joe has.	Problem Solving How many different ways can you represent one more than and one less than this number? Image: Choose the correct numbers to make the sentences correct. Image: Choose the correct numbers to make the sentences correct. Image: Choose the correct numbers to make the sentences correct. Image: Choose the correct numbers to make the sentences correct. Image: Choose the correct numbers to make the sentences correct. Image: Choose the correct numbers to make the sentences correct. Image: Choose the correct numbers to make the sentences correct. Image: Choose the correct numbers to make the sentences correct. Image: Choose the correct numbers to make the sentences correct. Image: Choose the correct numbers to make the sentences correct. Image: Choose the correct numbers to make the sentences correct. Image: Choose the correct numbers to make the sentences correct.	Reasoning Sasha is counting from 38 to 24 Will she say the number 19? Explain how you know. Mo says, There are 25 counters. Do you agree with Mo? Explain your answer.
Week 2 Barriers to ARE (misconceptions): Children may not have a secure understanding of what a number is. Understanding of teens numbers/ counting past ten. Accuracy with counting with larger numerals.	 Count to fifty, forwards and backwards, begins To develop the skill of comparing object To develop the skill of comparing numbe To develop the skill of ordering numbe 	ning with 0 or 1, or from any given number. ets within 50. bers within 50. ers within 50.



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Children may struggle to see the relationship between the two. Children may mistake the symbols and use them inaccurately when writing mathematical statements. Children may make inaccuracies when counting each part or the whole. Know the meaning of add or subtract. Understanding of the relationship between addition and subtraction. Children may presume that = refers to an answer as opposed to an equal amount on both sides	 To develop the skill of adding by counting c To know how to add by making 10. 	DN. Lead • Empower • Achieve • Drive
Fluency What number bond is represented in the picture? Image: There arered counters. There areblue counters. Altogether there arecounters. Image: There arered counters. Image: There areblue counters.	Problem Solving Ralph is thinking of the number 11 Which number does he choose out of the box to make: 14 19 12 3 10 5 23 10 26 96 3 10 8	ReasoningSam represents a number bond to 20 in the part whole model.Image: Image: Ima

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		Lead • Empower • Achieve • Drive
Complete the sentences.		
First there were turtles. Then more joined the group. Now there are turtles.		
Use ten frames to help you fill in the missing numbers.		
First there were Then more were added. Now there is		
Jo has 13 prize tokens.		
How many prize tokens does Jo have now?		
Show your calculation on the number line.		
◆ 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
Week 4	Add and subtract one digit and two digit numbers	to 20 including zero
Barriers to ARF (misconceptions):	Read write and interpret mathematical statement	s involving addition (+) subtractions (-) and
Children may presume that = refers to an	equals (=) signs.	
answer as opposed to an equal amount on		
both sides.	 To know how to subtract 	
Children may mistake the symbols and use	 To know how to subtract when crossing 10 	
them inaccurately when writing mathematical	 To know how to subtract when crossing to. To know how to crosto and use fact families for numbers within 20 	
statements.	• To know how to create and use fact families for humbers within 20.	
Children may make inaccuracies when	To know now to compare number sentences with	
counting each part or the whole	Solve one step problems that involve addition and	subtraction using concrete objects and
Know the meaning of add or subtract.	nictorial representations, and missing number pro-	hlems such as $7 - 2 - 9$
Understanding of the relationship between	To know how to solve problems involving a	ddition and subtraction
addition and subtraction.		
Children may presume that = refers to an		
answer as opposed to an equal amount on		
both sides.		







		Lead • Empower • Achieve • Driv
Week 5 Barriers to ARE (misconceptions): Children may not understand the language associated with measure. They may not recognise that different objects/things can be measured in different ways and using different language. Children may struggle with the concept of half/ quarter/ full and confuse them. Children may struggle compare items at a glance.	 Compare, describe and solve practical problems for mass/weight [for example, heavy/light, heavier that example, long/short, longer/shorter, tall/short, do full/empty, more than, less than, half, half full, qua Measure and begin to record the following: length volume. To know how to compare lengths. To know how to compare heights. To know how to measure length using non To know how to measure length using star 	or: an, lighter than] <mark>lengths and heights [for</mark> uble/half] capacity and volume [for example, arter] is and height; mass/weight; capacity and -standard units. idard units.
Fluency Use the words taller and shorter in the sentence stems to compare the height of the man and the boy. The man is than the boy. The boy is than the man. Use the words longer and smaller in the sentence stems to compare the length of the blue pencil and the orange pencil. The blue pencil is than the orange pencil. The orange pencil is than the blue pencil is than the orange pencil. The orange pencil is than the blue pencil is than the blue pencil. Choose the correct work from the word bank to create your own sentence to compare the height of the two houses. Image: taller taller taller taller taller taller taller taller	Problem Solving How many sentences can you write to compare the erasers and the pencils? Image: Ima	True or false? Image:

	Spring 2 Year 1 Annie, Jack and Claire are comparing ribbons that they have. Unfortunately, Jack has misplaced his ribbon. He says, My ribbon is shorter than Claire's, but longer than Annie's.	LE.A.D. Academy Trus Sally measures the length of two toys The toys are the same length. Do you agree with Sally? Explain your answer.
Week 6Barriers to ARE (misconceptions):Children may not understand the languageassociated with measure.They may not recognise that differentobjects/things can be measured in differentways and using different language.Children may struggle with the concept ofhalf/ quarter/ full and confuse them.Children may struggle compare items at aglance.	Compare, describe and solve practical problems for: mass/weight [for example, heavy/light, heavier than, lighter than] lengths and heights [for example, long/short, longer/shorter, tall/short, double/half] capacity and volume [for example, full/empty, more than, less than, half, half full, quarter] Measure and begin to record the following: lengths and height; mass/weight; capacity and volume. • To understand that an object can be measured by its mass. • To know how to measure mass using non-standard units. • To know how to compare mass.	





