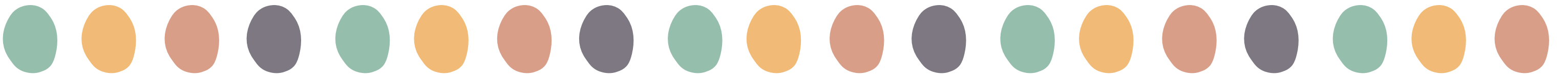


Y2- Overview

- Number and place value
- Number facts
- Addition and subtraction
- Multiplication and division
- Fractions
- Geometry
- Other

	Autumn 1		Autumn 2		Spring 1		Spring 2		Summer 1				Summer 2			
Unit	1	2	3	4	5		6	7	8	9	10	11	12	13	14	

Autumn 2	ADDING AND SUBTRACTING ONES AND TENS TO AND FROM 2-DIGIT NUMBERS (THREE WEEKS)													
Ready to progress	AS-3 Add and subtract within 100 by applying related one-digit addition and subtraction facts: add and subtract only ones or only tens to/from a two-digit number.													
NCETM documents	WHOLE DOCUMENT https://www.ncetm.org.uk/media/42vbjgqs/ncetm_mm_spl_y2_sel3_teach.pdf#page=4 WHOLE DOCUMENT https://www.ncetm.org.uk/media/mtnfmije/ncetm_mm_spl_y2_sel4_teach.pdf#page=7													
Small steps	- To add and subtract one to or from a two-digit number within a decade, focus on adding and subtracting 1 without crossing tens boundaries. - To add and subtract 1 to and from a 2-digit number crossing the tens boundary, use strategies for handling numbers that move between tens. - To use number facts to add or subtract a one-digit number and a two-digit number, apply known number facts to make calculations easier. - To use number facts to solve addition and subtraction problems, use relationships between numbers to find solutions efficiently. - To use number facts to solve problems in measures and data contexts, integrate mathematical reasoning into real-world situations. - To use number bonds to 10 to add/subtract one-digit and two-digit numbers, break numbers into useful parts to simplify calculations. - To add by bridging a multiple of ten, split numbers strategically to make addition smoother. - To subtract by bridging a multiple of ten, use number breakdowns to simplify subtraction. - To use bridging to solve addition and subtraction problems, apply this technique across different types of sums. - To find 10 more or less than a 2-digit number, recognize patterns in place value to make quick calculations. - To add and subtract 10 to and from a 2-digit number, understand how tens change while ones remain the same. - To add multiples of 10 to 2-digit numbers, practice working with groups of ten for faster addition. - To subtract multiples of ten from 2-digit numbers, apply subtraction strategies that focus on place value. - To partition 2-digit numbers in different ways, explore breaking numbers into different combinations to aid understanding. - To use efficient strategies to solve problems, choose the best method for each type of calculation.													
Links	NCETM - https://view.officeapps.live.com/op/view.aspx?src=https%3A%2F%2Fwww.ncetm.org.uk%2Fmedia%2Fmtnvhtzaq%2Fcp-year-2-unit-4-addition-and-subtraction-of-two-digit-numbers-lpptx&wdOrigin=BROWSELINK OAK https://www.thenationalacademy/teachers/programmes/maths-primary-ks1/units/adding-and-subtracting-ones-and-tens-to-and-from-2-digit-numbers/lessons?sid-72ab40=QkjUiB0xs9&sm=0&src=3 WHITE ROSE https://whiteroseeducation.com/resources?year=year-2-new&subject=maths Mastery with greater depth https://www.ncetm.org.uk/media/dnobtkl4/mastery_assessment_yr2.pdf													
Reasoning	Convince me What digits could go in the boxes? 7 - 2 = 46 Try to find all of the possible answers. How do you know you have got them all? Convince me Making an estimate Which of these number sentences have the answer that is between 50 and 60 74 - 13 55 + 17 87 - 34 Always, sometimes, never Is it always, sometimes or never true that if you add three numbers less than 10 the answer will be an odd number													



	Adding and subtracting ones and tens to and from 2-digit numbers (Three Weeks)
Problem solving	 Click on me
Glossary	• Add - To find the total, or sum, by combining two or more parts (addends), or to increase an amount by adding another. • Subtract - To partition one part from another (the subtrahend from the difference), or to decrease an amount by taking an amount away. • Represent - To communicate mathematical ideas through models. • One more - The number after a given number is one more than it. • One less - The number before a given number is one less than it. • Double / Doubling - To become twice as many. • Half - One of two equal parts of a whole. • Halving - To divide into two equal parts. • Near-double - A near-double is a number close to a double. • Strategy - A plan, a method or a way to solve a problem.
Stem sentences	• One more - The number that is one more than another is the result of adding 1 to that number • One less - The number that is one less than another is the result of subtracting 1 from that number • Difference - The result of subtracting one number from another. How much one number differs from another. • Decade - A group of ten numbers below one hundred, each with the same tens digit. • Regroup - To exchange ten ones for one ten or one ten for ten ones in order to calculate more easily. • Equation - An equation has an equal sign. It shows that what is on the left of the equation is equal to what is on the right. • Efficiently - Not wasting time or effort. An efficient strategy is one we can carry out easily. • Whole - All of something. Complete. • Part - A piece or section of a whole. • Sum - The result of adding two or more numbers • Bridge - A mental strategy which uses addition or subtraction to cross a number boundary. • Partition - The act of splitting an object or value down into smaller parts. • 10 more - 10 more than is when there is a greater amount by 10 than another item in the set. • 10 less - 10 less than is when there is a smaller value by 10 • Increase - Make something bigger (in size or quantity). • Decrease - Make something smaller (in size or quantity). • Multiples of ten - The numbers that are said when we count on in tens from zero. Multiples of ten always have a ones digit of zero. • Recombine - To add the parts of a number gained through partitioning the whole to reach the whole amount again. • Partition - To split a whole up into parts. • Strategy - A method used to solve a problem or equation. • Data - Another word for information. • Bar chart - A graphical display of data using bars of different heights; another name for a bar graphs
Representations	

