Maths Medium Term Plan: Year 2 — Summer – first half (Term 3a)

Wk	Topics	Objectives
1	Number • place value in 3-digit numbers • missing number problems • addition and subtraction • calculating change	• Read and write 3-digit numbers, using words and numerals • Understand the place value in 3-digit numbers and partition them into hundreds, tens and units • Use partitioning to solve missing number problems • Recognise 0 as a placeholder • Add and subtract 3-digit numbers, using mental strategies and partitioning • Know how to add and subtract 2-digit numbers (bridging through 10) using the following process: 47 + 25 = ? 47 + 20 = 67 67 + 5 = 72 • Be able to count on when calculating change from £1.00, £2.00 or £5.00 • Find the difference between 2 numbers using knowledge of number pairs for 10 and 100
2	Number • addition & subtraction • number doubles • multiplication facts • 'Real life' number problems relating to: ○ number ○ money ○ time ○ measurement ○ statistics	• Describe and extend simple number sequences: count in fifties and hundreds from and back to zero. • Review knowledge of add/subtract, multiply divide, to solve 'real life' word problems • Solve 'real life' problems using doubles facts • Rehearse doubles of all numbers to at least 15, doubles of multiples of 5 to 50 and identify near doubles, using doubles already known • Recognise all coins, use £.p notation, find totals and give change • Recognise 2-digit multiples of 2, 5 or 10 • Recognise links between addition and subtraction • Rehearse recognition of number facts. • Solve 'real life' problems relating to time, measure and statistics • Review measuring and comparing capacities using non-standard and standard units, and recognise the need for calibration. • Read a simple scale to the nearest labelled division.

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3	Number • multiplication • number pairs • addition & subtraction • estimation • 'real life' word problems	• Recall number pairs for 10 and multiplication facts (x2, x3, x5 and x10) • Use recall of number facts to support problem solving • Talk about how a problem has or could be solved • Making independent decisions regarding problem solving • Use number facts to estimate and answer, using knowledge of properties of number • Explain why an answer could be right or wrong • Use a range of learned strategies to solve addition and subtraction problems • Know how to solve 2-step word problems and to recognise what is being asked within a word problem
4	Number • inverse operations • division • remainders • comparing numbers	• Be able to count on to find the difference between 2 numbers, using number pairs for 10 and 100 • Know that addition is the inverse of subtraction and use this rule to solve missing number problems • Solve division problems using sharing • Investigate a general statement in relation to division • Compare a set of numbers based on division facts • Know that when we divide, sometimes there is a remainder • Use knowledge of multiplication facts to estimate whether or not a division sum will have a remainder • Talk about numbers in terms of their properties • Use multiplication facts to solve division problems • Recognise that division is the inverse of multiplication and use this rule to solve missing number problems
5	Number • money • repeated addition • missing number problems • 'real life' 2-step word problems • investigations • addition and subtraction	• Find the total of a set of coins • Rewrite a repeated addition sentence as a simplified multiplication sentence • Solve multiplication word problems using repeated addition and simplified multiplication • Recall number pairs for 10 and 100 • Use number pairs for 10 to solve missing number problems (eg 26 + ? = 30) • Solve 2-step multiplication problems represented as 'real life' word problems • Investigate a statement and make reasoned judgements on what has been found out • Reason about addition and subtraction

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6	Geometry • 2D and 3D shapes • position and direction • instructions • coordinates Number • properties • Carroll & Venn diagrams • division and remainders	• Can recall and compare the properties of 2D and 3D shapes • Give directions to find an object on grid • Understand and use the terms 'forwards, backwards, clockwise and anticlockwise' • To write a set of instructions • Read coordinates and find them on a grid, including negative numbers • Talk about and compare sets of numbers based on an understanding of their properties • Sort and compare numbers using Carroll and Venn diagrams, based on 2-criterion • Recognise if a division sum will have a reminder, based on knowledge of number facts