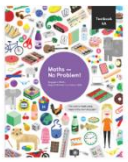

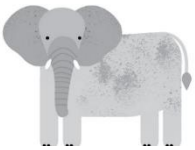

Textbook 4a	
Chapter	**Topic** **Note: Every lesson begins with a problem** **Fluency, problem solving and reasoning to be central to all lessons.**
1	Numbers to 10000 • Count to 10000 (*inc. finding 1000 more or less*) • Count in thousands, hundreds, tens and ones • Count in twenty-fives • Count in sixes, sevens and nines • Tell the number that a digit stands for *in a four-digit number* • *Identify and represent numbers using different representations* • Compare and arrange *(compare)* numbers within 10000 • Describe and complete number patterns • Round off numbers (*to the nearest 10, 100 or 1000)* and estimate sum and difference
2	**Addition and Subtraction** • Add numbers without renaming *(4 digit no's using formal column method where appropriate and show understanding with manipulatives)* • Add numbers with renaming *(4 digit no's using formal column method where appropriate and show understanding with manipulatives)* • Add numbers mentally • Subtract numbers without renaming *(4 digit no's using formal column method where appropriate and show understanding with manipulatives)* • Subtract numbers with renaming *(4 digit no's using formal column method where appropriate and show understanding with manipulatives)* • Subtract numbers mentally *Estimate and use inverse operations to check understanding*
3	Multiplication and Division • Multiply by 6 • Multiply by 7 • Multiply by 9 • Multiply by 11 • Multiply by 12 • Divide by 6 • Divide by 7 • Divide by 9 • Divide by 11 • Divide by 12 • Divide to find quotient and remainder

4	Further Multiplication and Division • Multiply by 0 and 1; divide by 1 • Multiply together three numbers • Multiply without regrouping (2- and 3-digit by 1-digit, including formal written layout) • Multiply with regrouping (2- and 3-digit by 1-digit, including formal written layout) • Divide without regrouping • Divide with regrouping Find the quotient and remainder in division
5	Graphs • Use a table to show information Draw, read and interpret tables, picture graphs, bar graphs and line graphs (discrete and continuous data)
6	Fractions • Count in hundredths • *Know hundredths arise when dividing an object by one hundred and dividing tenths by ten* • Write and show mixed numbers on a number line • Find (*and show using diagrams)* equivalent fractions • Simplify fractions and mixed numbers Add and subtract fractions *(with the same denominator)*
7	Time • Tell the time using 24-hour clock • Change time in minutes to seconds • Change time in hours to minutes • Change time in years to months • Change time in months to years Find the duration, starting time and finishing time
Textbook 4b	
8	Decimals • Recognise and write tenths (*as a decimal)* • Recognise and write hundredths (*as a decimal)* • Compare numbers with the same number of decimal places (*up to two decimal places)* • Complete number patterns involving decimals • Round decimals with one decimal place to the nearest whole number • Recognise and write decimal equivalents of ½ , ¼, and ¾ • Divide a 1- or 2-digit number by 10 Divide a 1- or 2-digit number by 100
9	Money • Count an amount of money and write it using decimals • Compare different amounts of money • Round money to the nearest £ and to the nearest £10 Estimate total amounts of money
10	Mass, Volume and Length • Measure and estimate mass

	• Measure and estimate volume • Measure and estimate length • Convert units of mass • Convert units of volume • Convert units of length (including km to m) Measure perimeter in different ways
11	Area of figures • Find the area of figures using square tiles • Find the area and the perimeter of figures in a square grid Find the areas of squares and rectangles using multiplication
12	Geometry • Identify acute and obtuse angles • Compare and order angles • Compare and classify triangles and quadrilaterals • Identify lines of symmetry in 2D shapes Complete a simple symmetrical figure with respect to a specific line of symmetry
13	Position and Movement • Describe positions using coordinates *(in the first quadrant)* • Plot points and form figures on the grid Describe movement including translation of figures
14	Roman Numerals • Read and write Roman numerals for 1 to 10 Read and write Roman numerals to 100
Notes: Negative numbers have been moved to years 5 and 6 Roman Numeral objectives from year 3 are in year 4	