

# CONTENTS

## SECTION 1

**Tests 1 to 12** (including revision of the **Mental Arithmetic Introductory Book**) **4**

**Number: number and place value** recognise the place value of each digit in a two-digit number (tens, ones), use numbers in different representations, including the number line, compare and order numbers from 0 up to 100, use  $<$ ,  $>$  and  $=$  signs, read and write numbers to at least 100 in numerals and in words, use place value and number facts to solve problems, count in steps of 2, 3 and 5 from 0, and in tens from any number, forward and backward; **addition and subtraction** solve problems with addition and subtraction, including those involving numbers, quantities and measures, recall and use addition and subtraction facts to 20 fluently, add and subtract numbers (a two-digit number and ones, a two-digit number and tens); **fractions** recognise, find, name and write fractions  $\frac{1}{2}$ ,  $\frac{1}{4}$  and  $\frac{3}{4}$  of a length, shape, set of objects or quantity, write simple fractions

**Measurement:** tell and write the time to quarter past/to the hour and draw the hands on a clock face to show these times, know the number of minutes in an hour and the number of hours in a day

**Geometry: properties of shapes** compare and sort common 2-D and 3-D shapes, identify and describe the properties of 3-D shapes, including the number of edges, vertices and faces

**Statistics:** interpret and construct simple pictograms, tally charts, block diagrams and simple tables, interpret and present data using bar charts, pictograms and tables, solve one-step and two-step questions using information presented in scaled bar charts and pictograms and tables

**Progress Test 1** **16**

## SECTION 2

**Tests 1 to 12** (including revision of Section 1) **18**

**Number: number and place value** count from 0 in multiples of 3, 4, 8, 50 and 100, find 10 or 100 more or less than a given number, recognise the place value of each digit in a three-digit number (hundreds, tens, ones), compare and order numbers up to 1000, identify, represent and estimate numbers using different representations, read and write numbers up to 1000 in numerals and in words; **addition and subtraction** derive and use related facts up to 100, add and subtract numbers (two two-digit numbers), add and subtract numbers mentally, including: a three-digit number and ones, a three-digit number and tens, a three-digit number and hundreds; **multiplication and division** recall and use multiplication and division facts for the 2, 5, 10 multiplication tables; **fractions** recognise, find and write fractions of a discrete set of objects, unit fractions and non-unit fractions with small denominators

**Measurement:** tell and write the time to five minutes, know the number of minutes in an hour and the number of hours in a day, add and subtract amounts of money to give change, using both £ and p in practical contexts

**Progress Test 2** **30**

## SECTION 3

**Tests 1 to 12** (including revision of Sections 1 and 2) **32**

**Number: addition and subtraction** add and subtract numbers with up to three digits; **multiplication and division** recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables

**Measurement:** measure, compare, add and subtract lengths (m/cm/mm), mass (kg/g), volume/capacity (l/ml), read time with increasing accuracy, record and compare time in terms of seconds, minutes and hours, use vocabulary such as o'clock, a.m./p.m., morning, afternoon, noon and midnight, know the number of days in each month, year and leap year

**Geometry: properties of shapes** recognise angles as a property of shape or a description of a turn, identify right angles, recognise that two right angles make a half-turn, three make three-quarters of a turn and four a complete turn

## CHECK-UP TESTS

**Number** **44**

**Measurement** **46**