

# CONTENTS

---

<b>SECTION 1</b>	<b>Tests 1 to 12</b> (including revision of <b>Mental Arithmetic 4</b> ) <span style="float: right;"><b>4</b></span>
	<b>Number: number and place value</b> read, write, order and compare numbers up to 10 000 000, interpret negative numbers in context and calculate intervals across zero, read Roman numerals, round any whole number to a required degree of accuracy; <b>addition, subtraction, multiplication and division</b> perform mental calculations with mixed operations and large numbers, use the correct order of operations to carry out calculations (BODMAS), solve addition and subtraction multi-step problems in context, use square and cubic numbers and their notations; <b>fractions (including decimals and percentages)</b> compare and order fractions, add and subtract fractions and mixed numbers, using the concept of equivalent fractions, associate a fraction with division and calculate decimal fraction equivalents for a simple fraction, identify the value of each digit in numbers given to three decimal places and multiply and divide numbers by 10, 100 and 1000, multiply one-digit numbers with up to two decimal places by whole numbers, recall and use equivalences between simple fractions, decimals and percentages, including in different contexts
	<b>Algebra:</b> use simple formulae, generate and describe linear number sequences, express missing number problems algebraically, work with coordinates in all four quadrants
	<b>Measurement:</b> solve problems involving the calculation and conversion of units of measurement using decimal notation, use, read, write and convert between standard units, convert measurements of length, mass, volume and time using decimal notation up to three decimal places, calculate the area of parallelograms and triangles, calculate, estimate and compare volume of cubes and cuboids using standard units, recognise when it is possible to use formulae for area and volume of shapes
	<b>Geometry: properties of shapes</b> compare and classify geometric shapes based on their properties and sizes, find unknown angles in any triangles, quadrilaterals, and regular polygons, illustrate and name parts of circles, including radius, diameter and circumference and know that the diameter is twice the radius, recognise angles where they meet at a point, are on a straight line, or are vertically opposite, and find missing angles; <b>position and direction</b> describe positions on the full coordinate grid (all four quadrants), draw and translate simple shapes on the coordinate plane, and reflect them in the axes
<b>Statistics:</b> calculate and interpret the mean as an average	
	<b>Progress Test 1</b> <span style="float: right;"><b>16</b></span>
<b>SECTION 2</b>	<b>Tests 1 to 12</b> (including revision of Section 1) <span style="float: right;"><b>18</b></span>
	<b>Number: addition, subtraction, multiplication and division</b> identify common factors, multiples, and prime numbers, use the concepts and vocabulary of prime numbers, factors (or divisors), multiples, common factors, common multiples, highest common factor, lowest common multiple, prime factorisation, including using product notation and the unique factorisation property; <b>fractions (including decimals and percentages)</b> multiply simple pairs of proper fractions, writing the answer in its simplest form, interpret percentages and percentage changes as a fraction or a decimal, interpret these multiplicatively, express one quantity as a percentage of another, compare two quantities using percentages, and work with percentages greater than 100%
	<b>Ratio and proportion:</b> solve problems involving the relative sizes of two quantities where missing values can be found by using integer multiplication and division facts, solve problems involving unequal sharing and grouping using knowledge of fractions and multiples
	<b>Progress Test 2</b> <span style="float: right;"><b>30</b></span>
<b>SECTION 3</b>	<b>Tests 1 to 12</b> (including revision of Sections 1 and 2) <span style="float: right;"><b>32</b></span>
	<b>Number: addition, subtraction, multiplication and division</b> identify composite numbers, use notation for the priority of operations, including brackets, powers and roots; <b>fractions (including decimals and percentages)</b> divide proper fractions by whole numbers
	<b>Statistics:</b> solve comparison, sum and difference problems using information presented in a line graph
<b>CHECK-UP TESTS</b>	<b>Number</b> <span style="float: right;"><b>44</b></span>
	<b>Measurement</b> <span style="float: right;"><b>45</b></span>
	<b>Number and geometry</b> <span style="float: right;"><b>46</b></span>
	<b>Geometry</b> <span style="float: right;"><b>47</b></span>