Year 4 Mathematical Statements	
Numbers and the number system	• recognise the place value of each digit in a four-digit number (thousands, hundreds, tens, and ones) • read Roman numerals to 100 (I to C) and know that over time, the numeral system changed to include the concept of zero and place value • identify, represent and estimate numbers using different representations
Counting and comparing	• order and compare numbers beyond 1000 • count in multiples of 6, 7, 9, 25 and 1000 • count backwards through zero to include negative numbers • compare numbers with the same number of decimal places up to two decimal places
Calculating: addition and subtraction	• find 1000 more or less than a given number • add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate • solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why
Calculating: multiplication and division	• recall multiplication and division facts for multiplication tables up to 12 × 12 • recognise and use factor pairs and commutativity in mental calculations • use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together three numbers • multiply two-digit and three-digit numbers by a one-digit number using formal written layout • solve problems involving multiplying and adding, including using the distributive law to multiply two digit numbers by one digit, integer scaling problems and harder correspondence problems such as n objects are connected to m objects
Visualising and constructing	• identify lines of symmetry in 2-D shapes presented in different orientations • complete a simple symmetric figure with respect to a specific line of symmetry • compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes • identify acute and obtuse angles and compare and order angles up to two right angles by size • describe positions on a 2-D grid as coordinates in the first quadrant • plot specified points and draw sides to complete a given polygon • describe movements between positions as translations of a given unit to the left/right and up/down
Measuring space	• convert between different units of measure [for example, kilometre to metre; hour to minute] • solve simple measure problems involving fractions and decimals to two decimal places • measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres • find the area of rectilinear shapes by counting squares
Exploring time	• read, write and convert time between analogue and digital 12- and 24-hour clocks • solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days
Exploring fractions	• count up and down in hundredths; recognise that hundredths arise when dividing an object by one hundred and dividing tenths by ten • find the effect of dividing a one- or two-digit number by 10 and 100, identifying the value of the digits in the answer as ones, tenths and hundredths • recognise and write decimal equivalents of any number of tenths or hundredths • recognise and write decimal equivalents to $\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$
Calculating fractions and decimals	• add and subtract fractions with the same denominator • solve problems involving increasingly harder fractions to calculate quantities, and fractions to divide quantities, including non-unit fractions where the answer is a whole number • recognise and show, using diagrams, families of common equivalent fractions •
Exploring money	• estimate, compare and calculate different measures, including money in pounds and pence • solve simple money problems involving fractions and decimals to two decimal places
Presentation of data	• interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs • solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs