



Topic 1: Number/Place Value		<i>Topics will be taught in numerical order across the academic year. The precise order of the statements within each topic is to be determined by the class teacher. Each statement will be taught and assessed in a learning sequence.</i>
Secure recall of all times tables and division facts up to 12 x 12.		
Count in multiples of 25, 50, 100, 250, 500 & 1000.		
Find 1000 more or less than a given number.		
Count backwards through zero to include negative numbers.		
Recognise the place value of each digit in a four-digit number (thousands, hundreds, tens, and ones)		
Order and compare numbers beyond 1000.		
Identify, represent and estimate numbers using different representations.		
Round any number to the nearest 10, 100 or 1000.		
Multiply / divide one- or two-digit numbers by 10 and 100 (to decimal answers)		
Read Roman numerals to 100 (I to C) and understand that, for example, 99 = 90+9 (XCIX)		
Solve reasoning problems that involve all of the above and with increasingly large positive numbers.		
Topic 2: Four operations		
Add and subtract numbers with up to 4 digits using columnar addition and subtraction.		
Estimate and use inverse operations to check answers to a calculation.		
Use addition and subtraction to solve two-step reasoning problems.		
Use the concept of zero & positive numbers to multiply by 0 and 1 and divide by 1.		
Mentally multiply three numbers together.		
Identify all factor pairs of a number		
Multiply two-digit and three-digit numbers by a one-digit number using a formal, written method.		
Use distributive law to multiply two digit numbers by one digit number [e.g. $15 \times 8 = (10 \times 8) + (5 \times 8)$]		
Use the concept of correspondence to solve basic ratio problems (n objects are connected to m objects).		
Use multiplication and division to solve two-step reasoning problems.		
Topic 3: Fractions, decimals and percentages		
Recognise and show, using diagrams, families of common equivalent fractions.		
Count up and down in hundredths; recognise that hundredths are $1 \div 100$ or $\frac{1}{10} \div 10$.		
Solve problems involving increasingly harder fractions (incl. non-unit fractions) to calculate quantities		
Add and subtract fractions with the same denominator.		
Recognise and write decimal equivalents of any number of tenths or hundredths.		
Recognise and write decimal equivalents to $\frac{1}{2}$, $\frac{3}{4}$ and $\frac{1}{4}$.		
Round decimals with one decimal place to the nearest whole number.		
Compare numbers with the same number of decimal places up to two decimal places.		
Solve simple measure and money problems involving fractions and decimals to two decimal places.		
Topic 4: Measurement		
Convert between different units of measure [for example, kilometre to metre; hour to minute]		
Measure and calculate the perimeter of a rectilinear figure (incl. squares) in centimetres and metres.		
Find the area of rectilinear shapes by counting squares.		
Estimate, compare and calculate different measures, including money in pounds and pence.		
Read, write and convert time between analogue and digital 12- and 24-hour clocks.		
Solve time problems involving converting from h \rightarrow min.; min. \rightarrow s; years \rightarrow months etc		
Topic 5: Properties of shape and position		
Classify geometric shapes, incl. quadrilaterals and triangles, based on properties and sizes.		
Identify acute and obtuse angles and compare and order angles up to two right angles by size.		
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.		
Topic 6: Statistics		
Interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs.		
Solve comparison, sum and difference problems using bar charts, pictograms, tables & other graphs.		
	Sept.	
	July	