	Year 4 Objectives
Num	ber: Place Value
•	count in multiples of 6, 7, 9, 25 and 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
•	solve number and practical problems that involve all of the above and with increasingly large positive numbers
•	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.
Num	ber: Addition and Subtraction
•	add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate
•	estimate and use inverse operations to check answers to a calculation
•	solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why.
Meas	surement: Length and Perimeter
•	Convert between different units of measure [for example, kilometre to metre; hour to minute]
•	measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres
•	estimate, compare and calculate different measures
Neas	surement: Time
•	Convert between different units of measure [for example, kilometre to metre; hour to minute]
•	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.
Num	ber: Multiplication and Division
•	recall multiplication and division facts for multiplication tables up to 12 $ imes$ 12
•	use place value, known and derived facts to multiply and divide mentally, including: multiplying by O and I; dividing by I; multiplying together three numbers
•	recognise and use factor pairs and commutativity in mental calculations
•	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 prob- lems such as n ob jects are connected to m ob jects.
Neas	surement: Area
•	find the area of rectilinear shapes by counting squares
Num	ber: Fractions
•	recognise and show, using diagrams, families of common equivalent fractions
•	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
•	add and subtract fractions with the same denominator
•	recognise and write decimal equivalents to 1/4, 1/2, 3/4
Geor	netry: Properties of Shape
•	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
•	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.
Num	.ber: Decimals
•	count up and down in hundredths; recognise that hundredths arise when dividing an object by one hundred and dividing tenths by ten.
•	recognise and write decimal equivalents of any number of tenths or hundredths

- recognise and write decimal equivalents of any number of tenths or hundredths
- 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
- 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.

Measurement: Money

• estimate, compare and calculate different measures, including money in pounds and pence

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 information presented in bar charts, pictograms, tables and other graphs.

Geometry: Position and Direction

- describe positions on a 2-D grid as coordinates in the first quadrant
- describe movements between positions as translations of a given unit to the left/right and up/down
- plot specified points and draw sides to complete a given polygon.