

## Year 4 Block A Mathematics Overview

2023-24

<b>Number: Place Value</b> (up to 4 digit numbers)	<b>Number: Addition &amp; Subtraction</b>	<b>Measurement: Perimeter</b>	<b>Number: Multiplication &amp; Division</b>
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### Number: Place Value

- Find 1000 more or less than a given number.
- 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.
- Count backwards through zero to include negative 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.

### Number: Addition & 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.

### Measurement: Perimeter

- Measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres.
- Convert between different units of measure (for example, kilometre to metre).

### Number: Multiplication & Division

- Recall and use multiplication and division facts for multiplication tables up to  $12 \times 12$ .
- Count in multiples of 6, 7, 9, 25 and 1000.
- 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.
- 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 object.