Maths – Year 4 Termly Overview

Autumn

Place Value

- Count in multiples of 6, 7, 9, 25 and 1,000.

- Count backwards through zero to include negative numbers.

- Identify, represent and estimate numbers using different representations.

- 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.

- Find 1,000 more or less than a given number.

- Recognise the place value of each digit in four-digit numbers (Th, H, T, O).

- Order and compare numbers beyond 1,000.

- Round any number to the nearest 10, 100 or 1,000.

- Solve number and practical problems that involve all of the above and with increasingly large numbers.

Multiplication / Division

- Recall multiplication and division facts for multiplication tables up to 12 x 12.

- 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.

- Recognise and use factor pairs and commutativity in mental calculations.

- Multiply two-digit and three-digit numbers by a one-digit number, using the formal written layout of short multiplication.

Addition / Subtraction

- Estimate and use inverse operations to check answers to a calculation.

- Add and subtract numbers with up to 4 digits, using the formal written methods of columnar addition and subtraction.

- Solve addition and subtraction two-step problems in context, deciding which operations and methods to use and why.

Length / Perimeter/Area

- Convert between different units of measure (km to m; hour to minute).

- Estimate, compare and calculate different measures.

- Measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres.

- Find the area of rectilinear shapes by counting squares.

Maths – Year 4 Termly Overview

Spring

Multiplication / Division	Fractions	Decimals
- 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.	- Count up and down in hundredths; recognise that hundredths arise when dividing an object by one hundred and dividing tenths by ten. - Recognise and show (using diagrams) families of common equivalent fractions. - 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 write decimal equivalents of any number of tenths or hundredths. - Recognise and write decimal equivalents to: ¼ ½ ¾ . - 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. - 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. - Solve simple measure and money problems involving fractions and decimals to two decimal places.

Maths – Year 4 Termly Overview

Summer

Money	Time	Statistics
- 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 problems involving converting from hours to minutes; minutes to seconds; years to months; and weeks to days.	- 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.

Properties of Shape	Position and Direction
- Compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes. - Identify lines of symmetry in 2-D shapes presented in different orientations. - Identify acute and obtuse angles and compare and order angles up to two right angles by size. - Compare a simple symmetric figure with respect to a specific line of symmetry.	- 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.