Year 4 maths

Key performance indicator	Performance standard
Number and place value	**With reference to the KPIs**
Counts in multiples of six, seven, nine, 25 and 1,000	By the end of Y4, a child should be fluent with whole numbers and the four operations, including number facts and the concept of place value
Counts backwards through zero to include negative numbers	
Orders and compares numbers beyond 1,000	A child will be developing efficient written and mental methods and performing calculations accurately with increasingly large whole numbers
Rounds any number to the nearest 10, 100 or 1,000	A child can:
Addition and subtraction	• solve a range of problems including those with simple fractions and decimal place value;
Solves addition and subtraction two-step problems in context, deciding which operations and methods to use and why	• draw shapes with accuracy using mathematical reasoning and analyse shapes and their properties, confidently describing the relationships between them;
Multiplication and division	• use measuring instruments accurately, making connections between measure and number;
Recalls multiplication and division facts for multiplication tables up to 12 x 12	• recall the multiplication tables up to and including the 12 multiplication table and show precision and fluency in the work; and
Fractions (including decimals)	• read and spell mathematical vocabulary correctly and confidently using a growing word reading knowledge and a knowledge of spelling.
Recognises and shows, using diagrams, families of common equivalent fractions	
Counts up and down in hundredths; recognises that hundredths arise when dividing an object by 100 and dividing tenths by 10	
Rounds decimals with one decimal place to the nearest whole number	
Solves simple measure and money problems involving fractions and decimals to two decimal places	
Measurement	
Converts between different units of measure eg kilometre to metre; hour to minute	

Geometry: properties of shape Compares and classifies geometric shapes, including quadrilaterals and triangles, based on their properties and sizes Identifies lines of symmetry in two dimensional shapes presented in different orientations **Geometry: position and direction** Plots specified points and draws sides to complete a given polygon **Statistics** Solves comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs	