Number and place value

- Counts in multiples of six, seven, nine, 25 and 1,000
- Counts backwards through zero to include negative numbers
- Orders and compares numbers beyond 1,000
- Rounds any number to the nearest 10, 100 or 1,000

Addition and subtraction

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

Multiplication and division

- Recalls multiplication and division facts for multiplication tables up to 12 x 12

Fractions (including decimals)

- 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

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

A child will be developing efficient written and mental methods and performing calculations accurately with increasingly large whole numbers

A child can:

- solve a range of problems including those with simple fractions and decimal place value;
- draw shapes with accuracy using mathematical reasoning and analyse shapes and their properties, confidently describing the relationships between them;
- use measuring instruments accurately, making connections between measure and number;
- recall the multiplication tables up to and including the 12 multiplication table and show precision and fluency in the work; and
- read and spell mathematical vocabulary correctly and confidently using a growing word reading knowledge and a knowledge of spelling.