



Stilton Church of England Primary Academy

Year 5

Number and Place Value

- Read, write, order & compare numbers to at least 1 000 000 (including decimals)
- Count forwards or backwards in steps of powers of 10 for any given number up to
- Determine the value of each digit of numbers to at least 1 000 000 (including decimals)

Addition and subtraction

- Add whole numbers with more than 4 digits, including using formal written methods (columnar addition) Subtract whole numbers with more than 4 digits, including using formal written methods (columnar subtraction) Add numbers mentally with increasingly large numbers
- Subtract numbers mentally with increasingly large numbers
- Solve addition multi-step problems in contexts, deciding which operations and methods to use and why. Solve subtraction multi-step problems in contexts, deciding which operations and methods to use and why.

Geometry

- Identify 3-D shapes, including cubes and other cuboids, from 2-D representations
- Know angles are measured in degrees: estimate and compare acute, obtuse and reflex angles. Draw given angles, and measure them in degrees.
- Use the properties of rectangles to deduce related facts and find missing lengths and angles

Multiplication and division

- Multiply numbers up to 4 digits by a 1- or 2-digit number using a formal written method.
- Divide numbers up to 4 digits by a 1-digit number using the formal written method of short division
- Multiply and divide whole numbers and those involving decimals by 10, 100 and 1000 including mentally

Measure

- Convert between different units of metric measure (e.g. km & m; cm & m; cm & mm; g & kg; l & ml).
- Use all four operations to solve probs involving measure (e.g. length, mass, volume, money) using decimal notation

Fractions and decimals

- Multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams
- Solve problems which require knowing percentage and decimal equivalents
- Read, write, order and compare numbers with up to three decimal places. Solve problems involving number up to three decimal places
- Compare and order fractions whose denominators are all multiples of the same number.
- Identify, name and write equivalent fractions of a given fraction, represented visually, including tenths and hundredths
- Add and subtract fractions with the same denominator and multiples of the same number.