

Year 4 - Maths overview

Stage 4 Year Overview		
Unit	Learning Hours	Summary of Key Content
1. Investigating Number Systems	11	Read Roman numerals to 100, recognise place value up to 4 digits; identify, represent and estimate numbers using different representations; round to the nearest 10, 100 and 1000; order and compare numbers beyond 1000
2. Pattern Sniffing	10	Count in multiples of 6, 7, 9, 25 and 1000; find 1000 more or less than a given number; recall multiplication tables up to 12x12; use factor pairs and commutativity in mental calculations.
3. Solving Calculation Problems	8	Add and subtract up to 4d using formal methods where appropriate; use inverse operations to check a calculation; solve addition and subtraction 2-step problems
4. Generalising Arithmetic	8	Multiply 2dx1d or 3dx1d using a formal written layout; multiply and divide mentally using place value, known facts etc to help; use inverse operations to check a calculation
5. Exploring Shape	8	Identify lines of symmetry; identify acute and obtuse angles; compare and order angles up to 180 degrees; compare and classify geometric shapes, including triangles and quadrilaterals.
6. Reasoning with Measures	8	Estimate, calculate and compare money in £ and p; Perimeter of rectilinear shapes; area of rectilinear shapes by counting
7. Discovering Equivalence	10	Recognise and show equivalent families of fractions; count in tenths; recognise tenths from dividing an object into 10 equal pieces and dividing a number by 10; recognise and write decimal equivalents of any number of tenths or hundredths; recognise and write decimal equivalents to $\frac{1}{2}$, $\frac{1}{4}$, $\frac{3}{4}$; order and compare decimals to 2dp; round decimals to the nearest integer.
8. Reasoning with Fractions	8	Add and subtract fractions with same denominator; solve problems involving fractions to calculate quantities, including non-unit fractions
9. Solving Number Problems	12	Divide a (1 or 2d) number by 10 and 100; recap mental multiplication skills; recap formal multiplication; solve problems involving multiplying and adding, using the distributive law. Solve measures problems.
10. Investigating Statistics	8	Interpret and present data appropriately including bar charts and time graphs Solve problems from bar charts, pictograms, tables etc
11. Visualising Shape	4	Complete a simple symmetric figure
12. Exploring Change	7	Read, write and convert time between 12 and 24 hour clocks (analogue and digital) Solve problems converting between units of time
13. Proportional Reasoning	4 - 8	Revision (and extension if appropriate) of multiplication and division concepts from Units 5 and 9
14. Describing Position	5	Describe positions on grid in first quadrant as coordinates; describe movements between positions as translations using up/down and left/right; plot specified points and complete to make a polygon
15. Measuring and Estimating	5	Convert between different units of measure