

Key Changes to the Mathematics National Curriculum

Year 1

What's gone?	What's been added?
<p>Data handling/Statistics is removed from Y1 No specific requirement to describe patterns No specific requirements to describe ways of solving problems or explain choices</p>	<p>Counting & writing numerals to 100 Write numbers in words up to 20 Number bonds secured to 20 Use of vocabulary such as equal, more than, less than, fewer, etc.</p>

Year 2

What's gone?	What's been added?
<p>Rounding two-digit numbers to the nearest 10 Halving/doubling no longer explicitly required Using lists/tables/diagrams to sort objects</p>	<p>Solving problems with subtraction Finding/writing fractions of quantities (and lengths) Adding two 2-digit numbers Adding three 1-digit numbers Demonstrating commutativity of addition & multiplication Describing properties of shape (e.g. edges, vertices) Measuring temperature in °C Tell time to nearest 5 minutes Make comparisons using < > = symbols Recognise £ p symbols and solve simple money problems</p>

Year 3

What's gone?	What's been added?
<p>Specific detail of problem-solving strategies (although the requirement to solve problems remains) Rounding to nearest 10/100 moves to Year 4 Reflective symmetry moves to Year 4 Converting between metric units moves to Year 4 No requirement to use Carroll/Venn diagrams</p>	<p>Adding tens or hundreds to 3-digit numbers Formal written methods for addition/subtraction 8 times table replaces 6 times tables Counting in tenths Comparing, ordering, adding & subtracting fractions with common denominators Identifying angles larger than/smaller than right angles Identify horizontal, vertical, parallel and perpendicular lines Tell time to the nearest minute, including 24-hour clock and using Roman numerals Know the number of seconds in a minute and the number of days in each month, year and leap year</p>

Year 4

What's gone?	What's been added?
<p>Specific detail on lines of enquiry, representing problems and find strategies to solve problems and explaining methods</p> <p>Using mixed numbers (moved to Y5)</p> <p>Most ratio work moved to Y6</p> <p>Written division methods (moved to Y5)</p> <p>All calculator skills removed from KS2 PoS</p> <p>Measuring angles in degrees (moved to Y5)</p>	<p>Solving problems with fractions and decimals to two decimal places</p> <p>Rounding decimals to whole numbers</p> <p>Roman numerals to 100</p> <p>Recognising equivalent fractions</p> <p>Knowing equivalent decimals to common fractions</p> <p>Dividing by 10 and 100 (incl. with decimal answers)</p> <p>Using factor pairs</p> <p>Translation of shapes</p> <p>Finding perimeter/area of compound shapes</p> <p>Solve time conversion problems</p>

Year 5

What's gone?	What's been added?
<p>Detail of problem-solving process and data handling cycle no longer required</p> <p>Calculator skills moved to KS3</p> <p>Probability moves to KS3</p> <p><i>Several elements are now expected to be covered in lower KS2, e.g. decimals/fractions knowledge, points in the first quadrant; parallel/perpendicular lines</i></p>	<p>Understand & use decimals to 3dp</p> <p>Solve problems using up to 3dp, and fractions</p> <p>Write percentages as fractions; fractions as decimals</p> <p>Use vocabulary of primes, prime factors, composite numbers, etc.</p> <p>Know prime numbers to 20</p> <p>Understand square and cube numbers</p> <p>Use standard multiplication & division methods for up to 4 digits</p> <p>Add and subtract fractions with the same denominator</p> <p>Multiply proper fractions and mixed numbers by whole numbers</p> <p>Deduce facts based on shape knowledge</p> <p>Distinguish regular and irregular polygons</p> <p>Calculate the mean average</p>

Year 6

What's gone?	What's been added?
<p>Detail of problem-solving processes no longer explicit</p> <p>Divisibility tests</p> <p>Calculator skills move to KS3 Programme of Study</p> <p>Rotation moves to KS3</p> <p>Probability moves to KS3</p> <p>Median/Mode/Range no longer required</p>	<p>Compare and ordering fractions greater than 1</p> <p>Long division</p> <p>4 operations with fractions</p> <p>Calculate decimal equivalent of fractions</p> <p>Understand & use order of operations</p> <p>Plot points in all 4 quadrants</p> <p>Convert between miles and kilometres</p> <p>Name radius/diameter and know relationship</p> <p>Use formulae for area/volume of shapes</p> <p>Calculate area of triangles & parallelograms</p> <p>Calculate volume of 3-d shapes</p> <p>Use letters to represent unknowns (algebra)</p> <p>Generate and describe linear sequences</p> <p>Find solutions to unknowns in problems</p>

