



Year 5 Mathematics Overview 2025-2026

Read in conjunction with the Mathematics Topic Overview Document (which details topic progression across the whole school) this document gives details of the content of each topic covered in Year 5.

Please note: The detail here is not absolute, some topics may be extended to ensure understanding is secure before moving on to a new topic area.

Autumn	Term 1	Term 2
	<u>Place value</u> • Roman numerals to 1000 • Numbers to 10000 • Numbers to 100000 • Numbers to 1000000 • Powers of 10 • 10/100/1,000/10,000/100,000 more or less • Partition numbers to 1,000,000 • Number line to 1,000,000 • Compare and order numbers to 100,000 • Compare and order numbers to 1,000,000 • Round to the nearest 10, 100 or 1,000 • Round within 100,000 • Round within 1,000,000 <u>Addition and subtraction</u> • Mental strategies • Add whole numbers with more than four digits • Subtract whole numbers with more than four digits • Round to check answers • Inverse operations (addition and subtraction) • Multi-step addition and subtraction problems • Compare calculations • Find missing numbers <u>Multiplication and division A</u> • Multiples • Common multiples • Factors • Common factors • Prime numbers	<u>Multiplication and division A (continued)</u> • Square numbers • Cube numbers • Multiply by 10, 100 and 1,000 • Divide by 10, 100 and 1,000 • Multiples of 10, 100 and 1,000 <u>Fractions A</u> • Find fractions equivalent to a unit fraction • Find fractions equivalent to a non-unit fraction • Recognise equivalent fractions • Convert improper fractions to mixed numbers • Convert mixed numbers to improper fractions • Compare fractions less than 1 • Order fractions less than 1 • Compare and order fractions greater than 1 • Add and subtract fractions with the same denominator • Add fractions within 1 • Add fractions with total greater than 1 • Add to a mixed number
Spring	Term 3	Term 4
	<u>Multiplication and division B</u> • Multiply up to a 4-digit number by a 1-digit number • Multiply a 2-digit number by a 2-digit number (area model) • Multiply a 2-digit number by a 2-digit number	<u>Decimals and percentages (continued)</u> • Order and compare any decimals with up to 3 decimal places • Round to the nearest whole number • Round to 1 decimal place • Understand percentages • Percentages as fractions • Percentages as decimals

	• Multiply a 3-digit number by a 2-digit number • Multiply a 4-digit number by a 2-digit number • Solve problems with multiplication • Short division • Divide a 4-digit number by a 1-digit number • Divide with remainders Fractions B • Multiply a unit fraction by an integer • Multiply a non-unit fraction by an integer • Multiply a mixed number by an integer • Calculate a fraction of a quantity • Fraction of an amount • Find the whole • Use fractions as operators Decimals and percentages • Decimals up to 2 decimal places • Equivalent fractions and decimals (tenths) • Equivalent fractions and decimals (hundredths) • Equivalent fractions and decimals • Thousandths as fractions • Thousandths as decimals • Thousandths on a place value chart • Order and compare decimals (same number of decimal places) •	• Equivalent Fractions, decimals and percentages • Multiply a unit fraction by an integer • Multiply a non-unit fraction by an integer • Multiply a mixed number by an integer • Calculate a fraction of a quantity • Fraction of an amount • Find the whole • Use fractions as operators Perimeter and area • Perimeter of rectangles • Perimeter of rectilinear shapes • Perimeter of polygons • Area of rectangles • Area of compound shapes • Estimate area Statistics • Draw line graphs • Read and interpret line graphs • Read and interpret tables • Two-way tables • Read and interpret timetables
Summer	Term 5 Shapes • Understand and use degrees • Classify angles • Estimate angles • Measure angles up to 180° • Draw lines and angles accurately • Calculate angles around a point • Calculate angles on a straight line • Lengths and angles in shapes • Regular and irregular polygons • 3-D shapes Position and direction • Read and plot coordinates • Problem solving with coordinates • Translation • Translation with coordinates • Lines of symmetry • Reflection in horizontal and vertical lines Decimals • Use known facts to add and subtract decimals within 1 • Complements to 1 • Add and subtract decimals across 1	Term 6 Decimals (continued) • Add decimals with different numbers of decimal places • Subtract decimals with different numbers of decimal places • Efficient strategies for adding and subtracting decimals • Decimal sequences • Multiply by 10, 100 and 1,000 Number-negative numbers • Understand negative numbers • Count through zero in 1s • Count through zero in multiples • Compare and order negative numbers • Find the difference Converting units • Kilograms and kilometres • Millimetres and millilitres • Convert units of length • Convert between metric and imperial units • Convert units of time • Calculate with timetables Volume • Cubic centimetres • Compare volume

	• Add decimals with the same number of decimal places • Subtract decimals with the same number of decimal places • Divide by 10, 100 and 1,000 • Multiply and divide decimals - missing values	• Estimate volume • Estimate capacity
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