



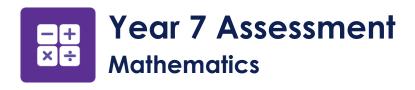
	Term 1 (Autumn)		Term 2 (Spring)		Term 3 (Summer)	
	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Key Concepts – All Sets	<ul> <li>Sequences         <ul> <li>Generating sequences</li> <li>Recognising special sequences</li> </ul> </li> <li>Algebraic Notation         <ul> <li>Function machines</li> <li>Substitution</li> <li>Rearrange and simplify</li> </ul> </li> <li>Equality &amp; Equivalence         <ul> <li>Inverse operations</li> <li>Using letters to represent unknowns</li> <li>Using function machines</li> <li>Solving linear equations</li> </ul> </li> </ul>	<ul> <li>Place value         <ul> <li>Compare integers and decimals</li> <li>Inequalities</li> <li>Number lines</li> <li>Range and median of number lines</li> <li>Round to powers of ten, decimal places and significant figures</li> </ul> </li> <li>FDP         <ul> <li>Conversions</li> <li>Meaning of percentages</li> <li>Represent fractions as diagrams, number lines</li> </ul> </li> </ul>	<ul> <li>Addition &amp; Subtraction         <ul> <li>Mental strategies</li> <li>Written methods</li> <li>Solve perimeter problems</li> <li>Solve problems with tables and timetables</li> <li>Solve problems with frequency trees</li> <li>Apply addition and subtraction to bar charts, line graphs and two-way tables</li> </ul> </li> <li>Multiplying &amp; dividing         <ul> <li>Find factors and multiples</li> </ul> </li> <li>HCF/LCM</li> <li>By powers of 10</li> <li>Convert metric units</li> <li>Formal methods</li> <li>Order of operations</li> <li>Problems involving area of rectangles, parallelograms, and triangles</li> <li>Problems involving the mean</li> </ul>	<ul> <li>Fractions &amp;         Percentages of         Amounts         <ul> <li>Fractions of amounts</li> <li>Percentages of</li></ul></li></ul>	Constructing & Measuring     Labelling notation     Line segments     Use a compass     Angles – classify, measure, draw     Parallel and perpendicular     Types of triangles     Types of quadrilaterals     Name polygons     Construct triangles     ASA, SAS and SSS     Construct and interpret pie charts      Geometric     Reasoning     Angles around a point, on a straight line, vertically opposite, in a triangle, quadrilateral     Solve problems	Sets & Probability     -Identify and     represent sets     - Venn diagrams     -Language of     probability     -Sample spaces     - Probability scale     -Sum of possible     outcomes     Primes & Proofs     - Multiples     - Factors of numbers     and expressions     - Prime numbers     - Square and     triangular numbers     - HCF and LCM

**Updated:** September 2025





Extension	<ul> <li>Finding the nth</li> </ul>	• Write 10, 100, 1000	<ul> <li>Add and subtract</li> </ul>	<ul> <li>Problems with</li> </ul>	<ul> <li>Construct more</li> </ul>	<ul> <li>Complement of a</li> </ul>
Objectives	term of a linear	etc as powers of 10	in standard form	fractions greater	complex polygons	set
- All Sets	sequence	<ul> <li>Investigate negative powers of 10</li> <li>Write positive integers and decimals in standard form</li> <li>Fractions as division</li> <li>FDP conversions with fractions greater than 1</li> </ul>	<ul> <li>Multiply by 0.1, 0.01, etc</li> <li>Problems involving area of trapezia</li> <li>Apply multiplication and division skills to algebraic contexts</li> </ul>	than 1 and percentages greater than 100%  • Square and square root of positive numbers  • Higher powers and roots of positive numbers  • Fractions in algebraic context  • Add and subtract algebraic fractions	<ul> <li>Angle sum in any polygon</li> <li>Angles in parallel lines</li> <li>Simple proofs</li> </ul>	<ul> <li>HCF and LCM using a Venn diagram</li> <li>Tests and conjectures</li> <li>Counter example</li> </ul>





## All pupils will sit several knowledge tests and an assessment in Year 7.

	Knowledge Tests	Assessment Summer Term		Revision Resources
	Autumn/Spring Terms			Kennet Resources
Style of Assessment	Each knowledge test consists of 10 multiple- choice questions	Paper 1: Non-Calculator	Paper 2: Calculator	<ul> <li>Year 7 Knowledge Organisers</li> <li>Learning Habits</li> <li>External Resources</li> </ul>
Topics Assessed	Core knowledge taught until that point in the academic year	The exam will assess any opoint in the year or any point in the year of the year or any point in the year of the year of the year of year or any point in the year of the year of year or any point in the year or any point in	reviously taught content.  ce  Recentages on g ages of Amounts g Fractions	www.mymaths.co.uk     www.bbc.com/bitesize  You can also find revision material on Frog  **The image of the image of

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