

## 2020 – 2021 Mathematics Overview → Year 4

[illegible]

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Unit	Lessons			Key 'Build a Mathematician' (BAM) Indicators	Essential knowledge
	Autumn	Spring	Summer		
<a href="#">Numbers and the number system</a>	10	--	--	<ul style="list-style-type: none"><li>• <a href="#">Round any number to the nearest 10, 100, 1000 and round a number with one decimal place to the nearest whole number</a></li><li>• <a href="#">Count backwards through zero</a></li><li>• <a href="#">Use columnar addition and subtraction with numbers up to four digits</a></li><li>• <a href="#">Multiply two- and three-digit numbers by a one-digit number</a></li><li>• <a href="#">Use known and derived facts to multiply and divide mentally</a></li><li>• <a href="#">Write any number of tenths or hundredths as a decimal</a></li><li>• <a href="#">Find families of common equivalent fractions</a></li><li>• <a href="#">Add and subtract fractions with the same denominator</a></li><li>• <a href="#">Find areas of rectilinear shapes by counting squares</a></li><li>• <a href="#">Use a line of symmetry to complete a symmetric shape or pattern</a></li><li>• <a href="#">Identify lines of symmetry in 2D shapes</a></li><li>• <a href="#">Use coordinates in the first quadrant</a></li><li>• <a href="#">Interpret and construct bar charts and time graphs</a></li></ul>	<ul style="list-style-type: none"><li>• Know the place value headings of ones, tens, hundreds and thousands</li><li>• Know the Roman numerals I, V, X, L, C</li><li>• <a href="#">Know multiplication facts up to 12 × 12</a></li><li>• Know division facts related to tables up to 12 × 12</li><li>• Know decimals equivalents of <math>\frac{1}{2}</math>, <math>\frac{1}{4}</math>, <math>\frac{3}{4}</math></li><li>• Know adjacent time facts involving years, months, weeks, days, hours, minutes and seconds</li><li>• Know 12- and 24-hour clock conversions</li><li>• <a href="#">Know the names and connected properties of triangles</a> and <a href="#">quadrilaterals</a></li><li>• Know the definitions of acute and obtuse angles</li><li>• Know that area is measured in squares</li><li>• Know that perimeter is a measure of length</li></ul>
<a href="#">Counting and comparing</a>	10	--	5		
<a href="#">Investigating properties of shapes</a>	10	--	--		
<a href="#">Calculating: addition and subtraction</a>	10 + 10	--	--		
<a href="#">Calculating: multiplication and division</a>	--	10	--		
<a href="#">Exploring time and money</a>	10	--	--		
<a href="#">Exploring fractions, decimals and percentages</a>	--	10	--		
<a href="#">Measuring space</a>	--	--	10		
<a href="#">Investigating angles</a>	--	5	10		
<a href="#">Calculating fractions, decimals and percentages</a>	--	5 + 10	--		
<a href="#">Calculating space</a>	--	10	--		
<a href="#">Checking, approximating and estimating</a>	--	--	10		
<a href="#">Mathematical movement</a>	--	--	10		
<a href="#">Presentation of data</a>	--	--	10		
Preventing the gap / Going deeper					
Total:				<a href="#">Stage 4 BAM Progress Tracker Sheet</a>	