

Mathematics overview: Year 3

<i>Topic</i>	<i>Essential skills</i>	<i>Essential knowledge</i>
Numbers and the number system	<ul style="list-style-type: none"> • Read and write numbers up to 1000 in numerals and in words 	<ul style="list-style-type: none"> • Know the place value headings of tenths, ones, tens and hundreds
Counting and comparing	<ul style="list-style-type: none"> • Compare and order whole numbers up to 1000 	<ul style="list-style-type: none"> • Know multiplication facts for the 3, 4 and 8 multiplication tables
Visualising and constructing	<ul style="list-style-type: none"> • Count from zero in multiples of 4, 8, 50 and 100 	<ul style="list-style-type: none"> • Know division facts related to the 3, 4 and 8 multiplication tables
Calculating: addition and subtraction	<ul style="list-style-type: none"> • Add and subtract numbers mentally including a three-digit number and ones, tens and hundreds 	<ul style="list-style-type: none"> • Know that a right angle is $\frac{1}{4}$ of a turn
Calculating: multiplication and division	<ul style="list-style-type: none"> • Use columnar addition and subtraction with numbers up to three digits 	<ul style="list-style-type: none"> • Know the number of days in each month
Exploring time	<ul style="list-style-type: none"> • Multiply a two-digit number by a one-digit number using short multiplication 	<ul style="list-style-type: none"> • Know the number days in a year and a leap year
Exploring fractions	<ul style="list-style-type: none"> • Divide a two-digit number by a one-digit number using short division 	<ul style="list-style-type: none"> • Know that 60 seconds = 1 minute
Measuring space	<ul style="list-style-type: none"> • Understand fractions as proportions 	<ul style="list-style-type: none"> • Know the Roman numerals from I to XII
Investigating angles	<ul style="list-style-type: none"> • Understand fractions as numbers 	<ul style="list-style-type: none"> • Know the vocabulary of time including o'clock, a.m., p.m., morning afternoon, noon and midnight
Calculating fractions and decimals	<ul style="list-style-type: none"> • Count forward and backwards in tenths 	<ul style="list-style-type: none"> • Know the meaning of 'perimeter'
Exploring money	<ul style="list-style-type: none"> • Tell the time using analogue and digital 12-hour clocks 	
Presentation of data	<ul style="list-style-type: none"> • Measure length (mm, cm, m), mass (g, kg) and capacity (ml, l) • Identify lines of symmetry in 2D shapes 	