

Maths Assessment Grid : National Curriculum Objectives : Year 3

Group: <input type="text"/>		Year: <input type="text"/>																		
Year 3																				
Number - number and place value	count from 0 in multiples of 4, 8, 50 and 100; find 10 or 100 more or less than a given number	Autumn																		
		Spring																		
		Summer																		
	recognise the place value of each digit in a three-digit number (hundreds, tens, ones)	Autumn																		
		Spring																		
		Summer																		
	compare and order numbers up to 1000	Autumn																		
		Spring																		
		Summer																		
	identify, represent and estimate numbers using different representations	Autumn																		
		Spring																		
		Summer																		
	read and write numbers up to 1000 in numerals and in words.	Autumn																		
		Spring																		
		Summer																		
	solve number problems and practical problems involving these ideas	Autumn																		
		Spring																		
		Summer																		

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Number - addition and subtraction	add and subtract numbers mentally, including: <ul style="list-style-type: none"> • a three-digit number and ones • a three-digit number and tens • a three-digit number and hundreds 	Autumn																
		Spring																
		Summer																
	add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction	Autumn																
		Spring																
		Summer																
	estimate the answer to a calculation and use inverse operations to check answers	Autumn																
		Spring																
		Summer																
	solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction.	Autumn																
		Spring																
		Summer																

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Group: <input type="text"/>		Year: <input type="text"/>																	
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Number - multiplication and division	recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables	Autumn																	
		Spring																	
		Summer																	
	write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods	Autumn																	
		Spring																	
		Summer																	
	solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which n objects are connected to m objects.	Autumn																	
		Spring																	
		Summer																	

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Group: <input type="text"/>		Year: <input type="text"/>																	
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Number - fractions	count up and down in tenths; recognise that tenths arise from dividing an object into 10 equal parts and in dividing one-digit numbers or quantities by 10	Autumn																	
		Spring																	
		Summer																	
	recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators	Autumn																	
		Spring																	
		Summer																	
	recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators	Autumn																	
		Spring																	
		Summer																	
	recognise and show, using diagrams, equivalent fractions with small denominators	Autumn																	
		Spring																	
		Summer																	
	add and subtract fractions with the same denominator within one whole	Autumn																	
		Spring																	
		Summer																	
	compare and order unit fractions, and fractions with the same denominators	Autumn																	
		Spring																	
		Summer																	
	solve problems that involve all of the above.	Autumn																	
		Spring																	
		Summer																	

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Measurement	measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml)	Autumn																	
		Spring																	
		Summer																	
	measure the perimeter of simple 2-D shapes	Autumn																	
		Spring																	
		Summer																	
	add and subtract amounts of money to give change, using both £ and p in practical contexts	Autumn																	
		Spring																	
		Summer																	
	tell and write the time from an analogue clock, including using Roman numerals from I to XII, and 12-hour and 24-hour clocks	Autumn																	
		Spring																	
		Summer																	
	estimate and read time with increasing accuracy to the nearest minute; record and compare time in terms of seconds, minutes and hours; use vocabulary such as o'clock, a.m./p.m., morning, afternoon, noon and midnight	Autumn																	
		Spring																	
		Summer																	
	know the number of seconds in a minute and the number of days in each month, year and leap year	Autumn																	
		Spring																	
		Summer																	
	compare durations of events	Autumn																	
		Spring																	
		Summer																	

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Geometry - properties of shapes	draw 2-D shapes and make 3-D shapes using modelling materials; recognise 3-D shapes in different orientations and describe them	Autumn																	
		Spring																	
		Summer																	
	recognise angles as a property of shape or a description of a turn	Autumn																	
		Spring																	
		Summer																	
	identify right angles, recognise that two right angles make a half-turn, three make three quarters of a turn and four a complete turn; identify whether angles are greater than or less than a right angle	Autumn																	
		Spring																	
		Summer																	
	identify horizontal and vertical lines and pairs of perpendicular and parallel lines.	Autumn																	
		Spring																	
		Summer																	

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Statistics	interpret and present data using bar charts, pictograms and tables	Autumn																
		Spring																
		Summer																
	recognise angles as a property of shape or a description of a turn solve one-step and twostep questions [for example, 'How many more?' and 'How many fewer?'] using information presented in scaled bar charts and pictograms and tables.	Autumn																
		Spring																
		Summer																