Bowmansgreen Primary School

Mathematics Curriculum Year Group Overview – Year Three



National Curriculum (Statutory Requirements)

ValueSubtractionRecall and use multiplication and multiples of 4, 8, 50 and 100; find 10 or 100 more or less than a given number.Add and subtract number and value of each digit in a three-digit number (hundreds, tens, ones).Recall and use multiplication and division facts for the 3, 4 and 8 multiplication and division facts for the 3, 4 and 8 multiplication and division facts for the 3, 4 and 8 multiplication and division facts for the 3, 4 and 8 multiplication and division facts for the 3, 4 and 8 multiplication tables.Count up and down in tenths; recognise that tenths; reco	s and Interpret and present data using bar charts, pictograms and tables. Solve one-step and two-step questions[for example, 'how many more?'
multiples of 4, 8, 50 and 100; find 10 or 100 more or less than a given number. Recognise the place value of each digit in a three-digit number (hundreds, tens, ones). Multiplication facts for the 3, 4 and 8 multiplication tables. division facts for the 3, 4 and 8 multiplication tables. division facts for the 3, 4 and 8 multiplication tables. Division facts for the 3, 4 and 8 multiplication tables. Division facts for the 3, 4 and 8 multiplication tables. Measure the perimeter of simple 2-d shapes. Recognise that tenths arise from dividing an object into 10 equal parts and in dividing one-digit numbers or quantities by 10. Recognise the place value of each digit in a three-digit number (hundreds, tens, ones). Recognise the place value of each digit numbers and hundreds Division facts for the 3, 4 and 8 multiplication tables. Write and calculate mathematical statements for multiplication and division using the multiplication tables. Write and calculate mathematical statements for multiplication and division using the multiplication tables. Write and calculate mathematical statements for multiplication and division using the multiplication tables. Write and calculate mathematical statements for multiplication and division using the multiplication tables. Measure the perimeter of simple 2-d shapes. Recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small practical contexts.	s using present data using bar charts, pictograms and tables. Solve one-step and two-step questions[for example, 'how many more?'
and 100; find 10 or 100 more or less than a given number. Recognise the place value of each digit in a three-digit in a three-digit number (hundreds, tens, ones). Including: - A three-digit number and tones that they know, including for number and tens, ones). Including: - A three-digit number and tones tables. - A three-digit number and tens, ones). Including: - A three-digit number and tens tables. - A three-digit number and tens, ones). - A three-digit number and tens, ones). Including: - A three-digit number and tens to multiplication tables. - A three-digit numbers times one-digit numbers times one-digit numbers, using mental and tens, ones). - A three-digit number and tens times one-digit numbers, using mental and tens, ones). - A three-digit number and tens to multiplication to bject into 10 equal parts and in dividing one-digit numbers or quantities by 10. - A three-digit numbers times one-digit numbers times one-digit numbers, using mental and progressing to formal written tens, ones).	rials; using bar charts, pictograms and tables. angles Solve one-step and two-step questions[for example, 'how many more?'
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than a given number. Recognise the place value of each digit in a three-digit number (hundreds, tens, ones). 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 tens, ones). Write and calculate mathematical statements for multiplication and dividing one-digit numbers or quantities by 10. Recognise the place value of each digit in a three-digit number and tens, ones). Write and calculate mathematical numbers or quantities by 10. Recognise the place value of each digit in a three-digit numbers, using mental and progressing to formal written tens, ones). Recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small practical contexts. different orient and in dividing one-digit numbers or quantities by 10. Recognise the perimeter of simple 2-d shapes. Recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small practical contexts.	pictograms and tables. Solve one-step and two-step questions[for example, 'how many more?'
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- A three-digit number and value of each digit in a three-digit number and number (hundreds, tens, ones). - A three-digit number and tables that they know, including for two-digit numbers, using mental and progressing to formal written tens, ones). - A three-digit number and progressing to formal written tens, ones). - A three-digit number and progressing to formal written tens, ones). - A three-digit numbers times one-digit numbers, using mental and progressing to formal written number (hundreds, tens, ones). - A three-digit numbers times one-digit numbers times one-digit numbers, using mental and progressing to formal written numbers, using mental and progressing to formal written numbers times one-digit numbers, using mental and progressing to formal written numbers, using mental and numbers times one-digit numbers, using mental and numbers, using mental and numbers times one-digit numbers, using mental and numbers, using mental and numbers times one-digit numbers, using mental and numbers, using mental and numbers, using mental and numbers times one-digit numbers, using mental and numbers, using mental and numbers times one-digit numbers, using mental and numbers, using mental and numbers times one-digit numbers, using mental and numbers, using mental and numbers times one-digit numbers, using mental and numbers, using mental and numbers, using mental and numbers times one-digit numbers, using mental and numbers, us	sangles of shape of a of a control con
Recognise the place value of each digit in a three-digit number and number and number (hundreds, tens, ones). tables that they know, including for two-digit numbers times one-digit numbers times one-digit numbers times one-digit numbers, using mental and progressing to formal written tens, ones). tables that they know, including for two-digit numbers times one-digit numbers times one-digit fractions of a discrete set of objects: unit fractions and non-unit fractions with small practical contexts. Recognise the Add and subtract amounts of money to give change, using both £ and p in turn.	of shape of a questions[for example, 'how many more?'
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in a three-digit - A three-digit numbers, using mental and number (hundreds, tens, ones). - A three-digit numbers, using mental and progressing to formal written methods. - A three-digit numbers, using mental and progressing to formal written methods. - A three-digit numbers, using mental and progressing to formal written non-unit fractions and non-unit fractions with small practical contexts.	of a questions[for example, 'how many more?'
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tens, ones). hundreds methods. non-unit fractions with small practical contexts.	many more?'
	igles, and 'how many
denominators. Identify right a	J , 1
Compare and order Add and subtract Solve problems, including missing Tell and write the time from recognise that	:wo fewer?'] using
numbers up to numbers with up to number problems, involving Recognise and use fractions an analogue clock, including right angles m	ke a information
1000. three digits, using multiplication and division, including as numbers: unit fractions using roman numerals from half-turn, three	make presented in
formal written positive integer scaling problems and and non-unit fractions with i to xii, and 12-hour and 24- three quarters	of a turn scaled bar
Identify, represent methods of columnar correspondence problems in which small denominators. hour clocks. and four a cor	plete charts and
and estimate addition and objects are connected to m objects.	hether pictograms and
numbers using subtraction. Recognise and show, using Estimate and read time angles are gre	ter than tables.
different diagrams, equivalent with increasing accuracy to or less than a	ght
representations. Estimate the answer fractions with small the nearest minute; record angle.	
to a calculation and denominators. and compare time in terms	
Read and write use inverse of seconds, minutes and Identify horizon	
numbers up to operations to check Add and subtract fractions hours; use vocabulary such vertical lines a	-
1000 in numerals answers. with the same denominator as o'clock, a.m./p.m., of perpendicu	r and
and in words. within one whole (for morning, afternoon, noon parallel lines.	
Solve problems, including missing example, $\frac{5}{7} + \frac{1}{7} = \frac{6}{7}$).	
problems and number problems.	
practical problems using number facts. Compare and order unit seconds in a minute and	
involving these place value, and fractions with the number of days in each	
ideas. the same denominators. month, year and leap year.	
addition and	
subtraction. Solve problems that involve Compare durations of	
all of the above. events [for example to	
calculate the time taken by	
particular events or tasks].	

Notes and Guidance (Non-Statutory)

Number and Place Value	Addition and Subtraction	Multiplication and Division	Fractions	Measurement	Geometry: Properties of Shapes	Statistics
Pupils now use	Pupils practise	Pupils continue to practise their	Pupils connect tenths to	Pupils continue to measure	Pupils' knowledge of	Pupils
multiples of 2, 3, 4,	solving varied	mental recall of multiplication tables	place value, decimal	using the appropriate tools	the properties of	understand
5, 8, 10, 50 and	addition and	when they are calculating	measures and to division by	and units, progressing to	shapes is extended at	and use simple
100.	subtraction	mathematical statements in order to	10.	using a wider range of	this stage to	scales (for
	guestions. For	improve fluency. Through doubling,		measures, including	symmetrical and non-	example, 2, 5,
They use larger	mental calculations	they connect the 2, 4 and 8	They begin to understand	comparing and using mixed	symmetrical polygons	10 units per
numbers to at least	with two-digit	multiplication tables.	unit and non-unit fractions	units (for example, 1 kg and	and polyhedra.	cm) in
1000, applying	numbers, the	·	as numbers on the number	200g) and simple	, ,	pictograms and
partitioning related	answers could	Pupils develop efficient mental	line, and deduce relations	equivalents of mixed units	Pupils extend their use	bar charts with
to place value using	exceed 100.	methods, for example, using	between them, such as size	(for example, $5m = 500cm$).	of the properties of	increasing
varied and		commutativity and associativity (for	and equivalence. They		shapes. They should be	accuracy.
increasingly	Pupils use their	example, $4 \times 12 \times 5 = 4 \times 5 \times 12 = 20$	should go beyond the [0, 1]	The comparison of	able to describe the	
complex problems,	understanding of	\times 12 = 240) and multiplication and	interval, including relating	measures should also	properties of 2-D and 3-	They continue
building on work in	place value and	division facts (for example, using 3 ×	this to measure.	include simple scaling by	D shapes using accurate	to interpret
year 2 (for	partitioning, and	$2 = 6$, $6 \div 3 = 2$ and $2 = 6 \div 3$) to		integers (for example, a	language, including	data presented
example, 146 = 100	practise using	derive related facts (30 \times 2 = 60, 60 \div	Pupils understand the	given quantity or measure	lengths of lines and	in many
and 40 and 6, 146 =	columnar addition	$3 = 20$ and $20 = 60 \div 3$).	relation between unit	is twice as long or five times	acute and obtuse for	contexts.
130 and 16).	and subtraction with		fractions as operators	as high) and this connects	angles greater or lesser	
	increasingly large	Pupils develop reliable written	(fractions of), and division	to multiplication.	than a right angle.	
Using a variety of	numbers up to three	methods for multiplication and	by integers.			
representations,	digits to become	division, starting with calculations of		Pupils continue to become	Pupils connect decimals	
including those	fluent (see Appendix	two-digit numbers by one-digit	They continue to recognise	fluent in recognising the	and rounding to	
related to measure,	1).	numbers and progressing to the	fractions in the context of	value of coins, by adding	drawing and measuring	
pupils continue to		formal written methods of short	parts of a whole, numbers,	and subtracting amounts,	straight lines in	
count in ones, tens		multiplication and division.	measurements, a shape,	including mixed units, and	centimetres, in a variety	
and hundreds, so			and unit fractions as a	giving change using	of contexts.	
that they become		Pupils solve simple problems in	division of a quantity.	manageable amounts. They		
fluent in the order		contexts, deciding which of the four		record £ and p separately.		
and place value of		operations to use and why. These	Pupils practise adding and	The decimal recording of		
numbers to 1000.		include measuring and scaling	subtracting fractions with	money is introduced		
		contexts, (for example, four times as	the same denominator	formally in year 4.		
		high, eight times as long etc.) and	through a variety of			
		correspondence problems in which	increasingly complex	Pupils use both analogue		
		m objects are connected to n objects	problems to improve	and digital 12-hour clocks		
		(for example, 3 hats and 4 coats,	fluency.	and record their times. In		
		how many different outfits?; 12		this way they become		
		sweets shared equally between 4		fluent in and prepared for		
		children; 4 cakes shared equally		using digital 24-hour clocks		
		between 8 children).		in year 4.		