

St. Mary's C of E Primary

Maths - Year 3 end of year expectations	
National Curriculum objectives	
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
	identify, represent and estimate numbers using different representations
	recognise the place value of each digit in a 3-digit number (100s, 10s, 1s)
	compare and order numbers up to 1,000
	read and write numbers up to 1,000 in numerals and in words
	solve number problems and practical problems involving these ideas.
Addition and Subtraction	add and subtract numbers mentally, including: a three-digit number and 1s a three-digit number and 10s a three-digit number and 100s
	add and subtract numbers with up to 3 digits, using formal written methods of columnar addition and subtraction
	estimate the answer to a calculation and use inverse operations to check answers
	solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction.
Multiplication and Division	recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables
	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
	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.
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
	recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators
	recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators
	recognise and show, using diagrams, equivalent fractions with small denominators
	add and subtract fractions with the same denominator within one whole
	compare and order unit fractions, and fractions with the same denominators
	solve problems that involve all of the above

Measurement	measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml)
	measure the perimeter of simple 2-D shapes
	add and subtract amounts of money to give change, using both £ and p in practical contexts
	tell and write the time from an analogue clock, including using Roman numerals from I to XII, and 12-hour and 24-hour clocks
	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, am/pm, morning, afternoon, noon and midnight
	know the number of seconds in a minute and the number of days in each month, year and leap year
	compare durations of events
Properties of Shape	draw 2-D shapes and make 3-D shapes using modelling materials; recognise 3-D shapes in different orientations and describe them
	recognise angles as a property of shape or a description of a turn
	identify right angles, recognise that 2 right angles make a half-turn, 3 make three quarters of a turn and 4 a complete turn; identify whether angles are greater than or less than a right angle
	identify horizontal and vertical lines and pairs of perpendicular and parallel lines
Statistics	interpret and present data using bar charts, pictograms and tables
	solve one-step and two-step questions using information presented in scaled bar charts and pictograms and tables