Year 3 Maths Curriculum

PLACE VALUE	CALCULATIONS	FRACTIONS, DECIMALS and PERCENTAGES	MEASUREMENT	GEOMETRY	STATISTICS
find 10 or 100 more or less than a given number	add and subtract numbers mentally, including: • a three-digit number and ones • a three-digit number and tens • a three-digit number and hundreds	recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators	estimate and read time with increasing accuracy to the nearest minute; record and compare time in terms of seconds, minutes, hours and o'clock; use vocabulary such as a.m./p.m., morning, afternoon, noon and midnight	draw 3-D shapes using modelling materials	interpret and present data using: • pictograms • bar charts • tables
compare and order numbers up to 1000	add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction	recognise that tenths arise from dividing an object into 10 equal parts and in dividing one – digit numbers or quantities by 10.	measure, compare, add and subtract: **lengths** (m/cm/mm); **mass** (kg/g); **volume/capacity** (l/ml)	recognise 3-D shapes in different orientations and describe them	solve one-step and two-step questions [e.g. 'How many more?' and 'How many fewer?'] using information presented in scaled bar charts and pictograms and tables.
identify, represent and estimate numbers using different representations	estimate the answer to a calculation and use inverse operations to check answers	recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators	measure the **perimeter** of simple 2-D shapes	recognise angles as a property of shape or a description of a turn	
count from 0 in multiples of 4, 8, 50 and 100;	recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables	count up and down in tenths	compare durations of events, for example to calculate the time taken by particular events or tasks	draw 2-D shapes using modelling materials	
read and write numbers up to 1000 in numerals and in words	solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction	compare and order unit fractions, and fractions with the same denominators	add and subtract amounts of **money** to give change, using both £ and p in practical contexts	identify right angles, recognise that two right angles make a half-turn, three make three quarters of a turn and four a complete turn	

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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	recognise and show, using diagrams, equivalent fractions with small denominators	know the number of seconds in a minute and the number of days in each month, year and leap year	identify whether angles are greater than or less than a right angle	
solve number problems and practical problems involving these ideas.	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	add and subtract fractions with the same denominator within one whole (e.g. $\frac{5}{7} + \frac{1}{7} = \frac{6}{7}$)	tell and write the time from an analogue clock, including using Roman numerals from I to XII, and 12-hour and 24-hour clocks	Identify: • horizontal and vertical lines • pairs of perpendicular lines • pairs of parallel lines	