

Year 3 Maths Objectives

	Objectives	Comment
Place Value	Count from 0 in 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).	
	Compare and order nos up to 1000. Read and write nos up to 1000 in numerals and in words.	
	Identify, represent and estimate numbers using different representations.	
	Solve number problems and practical problems involving these ideas.	
Addition & Subtraction	Add and subtract numbers mentally, including: a 3-digit no and 1s, 10s, 100s.	
	Add and sub numbers with up to 3 digits, using formal written methods of columnar add and sub.	
	Estimate the answer to a calculation and use inverse operations to check answers.	
	Solve probs, inc missing no probs, using number facts, place value, and more complex add/sub.	
Multiplication & Division	Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables.	
	Write & calc math statements for \times & \div using the tables they know, including 2 digit numbers times 1-digit numbers, using mental & formal written methods.	
	Solve probs & missing number probs, involving \times & \div , including integer scaling probs & correspondence probs in which n objects are connected to m objs.	
Fractions	Count up and down in tenths; recognise that tenths arise from dividing an object into 10 equal parts & 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 sub fractions with the same denominator within one whole (e.g. $\frac{5}{7} + \frac{1}{7} = \frac{6}{7}$).	
	Compare and order unit fractions, and fractions with the same denominators.	
Measure	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/write the time from an analogue clock, inc Roman numerals from I to XII, and 12-hr/24-hr clocks.	
	Est. & read time with increasing acc. to nearest min; record/compare time in secs, mins, hrs. Use vocab such as o'clock, a.m/p.m, morn, aft, noon&midnight	
	Know the no of seconds in a minute and the number of days in each month, year and leap year.	
Shape	Draw 2-D shapes and make 3-D shapes using modelling materials; recognise 3-D shapes in different orientations and describe them.	
	Recognise that angles are a property of shape or a description of a turn.	
	Iden. right angles, recog that 2 right angles make a $\frac{1}{2}$ turn, 3 make $\frac{3}{4}$ of a turn & 4 a comp. turn. Iden whether ang. are greater or less than a right ang.	
	Identify horizontal and vertical lines and pairs of perpendicular and parallel lines.	
Stats	Interpret and present data using bar charts, pictograms and tables.	
	Solve one-step and two-step questions such as 'How many more?' and 'How many fewer?' using info presented in scaled bar charts & pictograms & tables.	