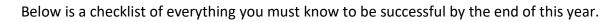
Revision 'Must Know' Checklist: Y7 Maths LA Classes





	Number		Algebra		Geometry and Measures	Ratio and		Statistics and Probability
•	Understand place value and write integers up to 1 billion Work out intervals and position integers on a number line Understand place value for decimals and position decimals on a number line Order decimals Round integers to powers of ten Represent tenths and hundredths as diagrams and on number lines Convert between fractional and	•	Describe and continue a sequence given diagrammatically Predict and check the next term of a sequence Represent sequences in tabular and graphical forms Recognise whether a sequence is linear or non-linear Continue a linear or non-linear sequence Explain the term-to-term rule for	•	Calculate the area of a rectangle and a parallelogram Calculate the area of a triangle Know how much each of the key metric measures represents Choose the most sensible metric measurement Convert between units of length Describe angles as a measure	Proportion	•	Calculate the mean from a set of data Find the range and median from a list of numbers Understand and use frequency trees and interpret bar charts Use and understand the probability scale Find the probability of a single event
•	decimal fifths and quarters Understand the relationship between fifths and tenths, quarters and hundredths	•	Use correct algebraic notation Use a function machine for numbers and variables	•	of turn Classify angles and triangles Draw and measure angles up to 360° Measure lengths and angles in		•	Understand and use the knowledge that probabilities sum to 1 Understand and use the vocabulary and symbols
•	Understand the meaning of a percentage using a hundred square Convert fluently between simple fractions, percentages, and decimals Represent fractions as diagrams and on a number line Work with and use equivalent fractions Use formal methods for addition and subtraction of decimals	•	Find inputs and outputs of one- step and two-step function machines Find unknown function given inputs and outputs Find the function given the expression Substitute values into single expressions and two step	•	triangles and use this to classify them Use angle notation to describe parallel and perpendicular lines Describe quadrilaterals using knowledge of parallel and perpendicular lines Accurately construct a triangle		•	associated with sets Interpret and create Venn diagrams Understand and use the intersection and union of sets
•	Solve problems involving addition and subtraction Read the time from both Digital and Analogue formats	•	expressions Generate sequences by substituting into an expression Plot functions as graphs	•	given three sides, two sides and an angle or two angles and a side Interpret and draw pie charts			

•	Solve problems involving time Use and interpret timetables to solve problems Understand and use factors and	•	Understand the meaning of equality Use bar models and fact families Form and solve one-step	•	Understand and use the sum of angles at a point and on a straight line Understand and use the	
•	multiples Understand and recognise prime,		equations involving the four operations		equality of vertically opposite angles	
•	square, and triangular numbers Find common factors of a set of	•	Understand the meaning of like and unlike terms	•	Understand and use the sum of angles on a straight line and in	
	numbers including Highest Common Factor	•	Simplify algebraic expressions by collecting like terms	•	a triangle Know and apply the sum of	
•	Find common multiples of a set of numbers including Lowest Common Multiple	•	Understand the meaning of equivalence and to recognise equivalent expressions	•	angles in a quadrilateral Solve problems using the properties of triangles,	
•	Write a number as a product of its prime factors	•	Substitute into an expression Solve one step and two step		quadrilaterals, and other angle rules	
•	Understand and correctly apply the order of operations		equations			
•	Find a fraction of a given amount					
•	Find a percentage of a given amount					
•	Calculate percentages from a given percentage					
•	Understand directed number in context and order directed numbers					
•	Perform calculations that cross zero					
•	Perform the four operations with					
	directed numbers					
•	Convert between mixed numbers and					
	improper fractions					
•	Add and subtract fractions with the same denominator and different					
	denominators					
•	Add and subtract fractions from integers					
•	Add and subtract improper and mixed					
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fractions