

KS3 MATHS Year 7 Progression Grid



	Working Towards	Expected Standard	Greater Depth		
	By the end of Year 7 a student should be able to:	By the end of Year 7 a student should be able to:	By the end of Year 7 a student should be able to:		
A U T U M N		Add and subtract numbers up to and including a billion including decimals Add and subtract decimals up to 5 decimal places Add and subtract algebraic expressions Add and subtract time in differing units - minutes, seconds, hours Budgeting and debt as applications of addition and subtraction Complete frequency trees and two way tables Calculate with perimeters	Add and subtract algebraic expressions including context such as perimeter Work with frequency trees and two way tables including information presented in fractions, decimals and percentages Add and subtract algebraic expressions with terms that have indices		

S P R		Multiply and divide integers, decimals and negatives up to and including 4 significant figures	Multiply and divide algebraic expressions
1	Divide numbers up to 4 digits by using a	Multiply and divide unit and improper	Use prime factor decomposition to
	formal written method	fractions	find a LCM and HCF using a venn
G	Multiply one digit numbers with up to 2 decimal places	Find Lowest common multiple, highest common factor and prime factor	diagram
	Use written division methods where the	decomposition of any number	Understand the rules of geometric
	answers has up to 2	Use the order of operations correctly	sequences and find missing terms
	decimal places	BIDMAS	
	Use knowledge of order of operations to	Use a function machine to solve an	Form and solve two step equations
	carry out calculations	equation	involving contexts such as area and
	Multiply and divide numbers by 10,100,1000	Solve two step equations utilising	perimeter
	Solve problems involving the calculation of	multiplication and division	
	units of measures	Find the next term in a geometric	
	Convert between miles and kilometres	sequence	
	Find areas and perimeters of shapes		

Udegree ofMUse commMCompareEAdd and sRdenominamultiply sindivide fractRecall andsimple fractand perceSolve probpercentagusing multiSolve probRecogniseinvolving aInterpret agraphs	on factors to simplify fractions and order fractions ubtract fractions with different tors nple pairs of proper fractions tions by whole numbers use equivalences between tions, decimals ntages lems involving the calculations of les ples of 5 lems with unequal sharing angles and calculate problems	Rounding numbers to decimals places and significant figures Perform four operations with both proper and improper fractions Convert between fractions, decimals and percentages Calculate percentage of amount Increase and decrease quantities by a given quantity Solve ratio problems given the total amount Solve problems involving ratio and FDP Calculate angles around a point and on a line Make comparisons between statistical diagrams Calculate averages and select an appropriate average for a problem	 Giving an error interval for a calculation Perform four operations on simple algebraic fractions with singular terms Calculate a total when given part of a ratio Form and solve equations involving angles around a point and on a line Calculate an average from a frequency table
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