

Summary Foundation Year 10

		G	A	R
Basic Number	1.1 Place value and ordering numbers			
	1.3 The four rules			
	1.2 Order of operations and BIDMAS			
Number Properties	5.1 Multiples of whole numbers			
	5.2 Factors of whole numbers			
	5.3 Prime numbers			
	5.4 Prime factors, LCM and HCF			
	5.5 Square numbers			
	5.6 Square roots			
tables and averages	3.1 Frequency tables			
	3.2 Statistical diagrams			
	3.3 Line graphs			
	3.4 Statistical averages			
21: Algebra: Number and sequences	21.1 Patterns in number			
	21.2 Number sequences			
	21.3 Finding the $n$ th term of a linear sequence			
	21.4 Special sequences			
	21.5 General rules from given patterns			
10: Ratio and proportion and rates of change: Ratio, speed and proportion	10.1 Ratio			
	10.2 Speed, distance and time			
	10.3 Direct proportion problems			
	10.4 Best buys			
6: Number: Approximations	6.1 Rounding whole numbers			
	6.2 Rounding decimals			
	6.3 Approximating calculations			
7: Number: Decimals and fractions	7.1 Calculating with decimals			
	7.2 Fractions and reciprocals			
	7.3 Writing one quantity as a fraction of another			
	7.4 Adding and subtracting fractions			
	7.5 Multiplying and dividing fractions			
2: Geometry and measures: Measures and scale drawings	2.1 Systems of measurement			
	2.2 Conversion factors			
	2.3 Scale drawings			
	2.4 Nets			
	2.5 Using an isometric grid			
11: Geometry and measures: Perimeter and area	11.1 Rectangles			
	11.2 Compound shapes			
	11.3 Area of a triangle			
	11.4 Area of a parallelogram			
	11.5 Area of a trapezium			
	11.6 Circles			

11 cont.	11.7 The area of a circle			
	11.8 Answers in terms of $\pi$			
9: Algebra: Expressions and formulae	9.1 Basic algebra			
	9.2 Substitution			
	9.3 Expanding brackets			
	9.4 Factorisation			
	9.5 Quadratic expansion			
	9.6 Quadratic factorisation			
	9.7 Changing the subject of a formula			
4: Geometry and measures: Angles	4.1 Angles facts			
	4.2 Triangles			
	4.3 Angles in a polygon			
	4.4 Regular polygons			
	4.5 Angles in parallel lines			
	4.6 Special quadrilaterals			
	4.7 Bearings	Not set 4		
8: Algebra: Linear graphs	8.1 Graphs and equations			
	8.2 Drawing linear graphs by finding points			
	8.3 Gradient of a line			
	8.4 $y=mx+c$			
	8.5 Finding the equation of a line from its graph			
	8.6 The equation of a parallel line			
	8.7 Real-life uses of graphs			
	8.8 Solving simultaneous equations using graphs			
12: Geometry and measures: Transformations	12.1 Rotational symmetry			
	12.2 Translation			
	12.3 Reflections			
	12.4 Rotations			
	12.5 Enlargements			
	12.6 Using more than one transformation			
	12.7 Vectors			
13: Probability: Probability and events	13.1 Calculating probabilities			
	13.2 Probability that an outcome will not happen			
	13.3 Mutually exclusive and exhaustive outcomes			
	13.4 Experimental probability			
	13.5 Expectation			
	13.6 Choices and outcomes			
14: Geometry and measures: Volumes and surface areas of prisms	14.1 3D shapes			
	14.2 Volume and surface area of a cuboid			
	14.3 Volume and surface area of a prism			
	14.4 Volume and surface area of cylinders			
15: Algebra: Linear equations	15.1 Solving linear equations			
	15.2 Solving equations with brackets			
	15.3 Solving equations with the variable on both sides			