

TOPIC LIST for End of Year Assessment

2nd May Period 4-Non-Calculator

4th May Period 4-Calculator

The numbers refer to the chapter and sections in the Kerboodle textbook.

Geometry

Section	Detail
3.1 Angles and lines	Parallel lines
3.3 Congruence and similarity	of triangles
3.4 Polygon angles	
7.2 Area of a 2D shape	
7.3 Transformations 1	Rotation and enlargement (negative SF)
11.1 Circles 1	Arc length
11.2 Circles 2	Sector area
11.3 Circle theorems	
11.4 Constructions and loci	

Data Handling

Section	Detail
4.2 Averages and spread 1	Mean, median, mode

Number

Section	Detail
1.1 Place value and rounding	Significant figures
1.3 Multiplying and dividing	Integers & decimals
5.1 Fractions and percentages	
5.2 Calculations with fractions	Mixed number calculations
5.3 Fractions, decimals and percentages	
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5.3 Fractions, decimals and percentages	Recurring decimal to fraction
13.1 Factors and multiples	Prime factor decomposition
13.3 Surds	

Algebra

Section	Detail
2.1 Simplifying expressions	Collecting like terms
2.2 Indices	Laws of indices and negative indices
2.2 Indices	Negative indices
2.2 Indices	Powers of powers
2.3 Expanding and factorising 1	Single brackets
2.4 Algebraic fractions	Simplifying
6.1 Formulae	Changing the subject
6.2 Functions	Inverse and composite
6.3 Equivalences in algebra	Identities
6.4 Expanding and factorising 2	Pairs of brackets

RATIO

	Section	Detail
12.2	Ratio and scales	Ratio as a fraction, dividing quantities by a ratio
12.3	Percentage change	Increase, decrease and reverse percentage

PROBABILITY

	Section	Detail
8.1	Probability experiments	Relative frequency
8.2	Theoretical probability	
8.3	Mutually exclusive events	

Note - your ability to perform all four operations (+ - \times \div) and use powers with all types of number (negative, integer, decimal and fractions) as well as applying them to algebraic terms, is fundamental to all mathematics.