**7 Higher**

**Test date:**

**Topics:**

* NUM 5
	+ Find LCM and HCF of two or more numbers by listing
	+ Prime factor decomposition of a number
	+ Express a number as a product of prime factors using index notation
	+ Find HCF and LCM using prime factors (e.g. Venn diagram / looking at powers)
* SSM 2
	+ Solve problems based on shape properties (e.g. Missing angles, missing lengths)
	+ Lines of symmetry
	+ Recognise and calculate order of rotational symmetry
	+ Understand that congruent shapes have the same lengths and angles
* SSM 3
	+ Use the formula for calculating area of triangle
	+ Calculate the perimeter and area of compound shapes
	+ Calculate the area of Parallelograms and Trapeziums
	+ Circumference and area of circles (no composite shapes)
* ALG 2
	+ Generate a sequence from an nth term expression
	+ Calculate a specific term in a sequence using an nth term expression
	+ Find the nth term of more complex arithmetic sequences

**Revision resources:**

* <https://corbettmaths.com/contents/>

**7 Intermediate**

**Test date:**

**Topics:**

* HD 1
	+ Find the mode, mean, median and range for any set of discrete data
	+ Compare two distributions using the range and one average
* NUM 5
	+ Prime number
	+ Find LCM of two or more numbers by listing (including Problem solving e.g. train times)
	+ Find HCF of two or more numbers by listing
	+ Sorting numbers into Venn diagrams (multiples / primes etc.)
* SSM 2
	+ Classify and define special triangles and quadrilaterals based on angle properties, line properties
	+ symmetry and order of rotational symmetry
* NUM 6
	+ Changing fractions to decimals and vice versa
	+ Convert between fractions, decimals, percentages

**Revision resources:**

* <https://corbettmaths.com/contents/>

**7 Foundation**

**Test date:**

**Topics:**

* NUM 5
	+ Understand definition of multiple, factor and prime
	+ Find multiples of a number
	+ Listing common multiples e.g. common multiples of 8 and 6 between 50 and 80
	+ Find a factor pair of a number
	+ Test to see if a number is prime
* NUM 6
	+ Convert decimals to fractions
	+ Understand that a percentage is a fraction out of 100
	+ Write a simple fraction as a percentage
	+ Write a decimal as a percentage
	+ Write percentages as fractions and decimal
	+ Find fractions, percentages, decimals that are the same
	+ Simple comparison of fractions, decimals and percentages
* SSM 2
	+ Recognise diagonal lines of symmetry
	+ understand order of rotational symmetry
	+ Draw, recognise and name special triangles
	+ Draw, recognise and name special quadrilaterals

**Revision resources:**

* <https://corbettmaths.com/contents/>