**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/>