

## Year 11 into 12 Summer Assignment for A Level Maths

You must complete the following tasks on [hegartymaths.com](https://www.hegartymaths.com)

You must log into [hegartymaths.com](https://www.hegartymaths.com). For this, you need to know your full name as it appears on SIMs and your date of birth. Your scores will now be saved. Any problems with logging in please contact [PDurber@fromecollege.org](mailto:PDurber@fromecollege.org)

The tasks set form the prior knowledge needed and will be assumed by your teacher for units 1 + 2 of A level Maths. You should use paper and pen to complete the tasks as this is not intended to be mental maths, but there is no requirement to bring your working into college in September if you have achieved green for all 20 tasks.

You are expected to complete all tasks, repeating where necessary and watching videos so that all tasks are scored green on your score sheet.

157	Collecting like terms 2
158	Simplifying expressions involving multiplication
159	Simplifying expressions involving division
164	Expand double brackets 3
105	Index form 4
106	Index form 5
107	Index form 6
110	Index form 9
117	Brackets involving surds 2
118	Rationalising surds 1
119	Rationalising surds 2
230	Solving quadratic equations 1 (by factorising)
232	Solving quadratic equations 3 (by factorising)
235	Completing the square 1
238	Solving by completing the square 1
241	Solving using the quadratic formula 1
242	Solving using the quadratic formula 2
223	Factorise quadratic expressions 1
224	Factorise quadratic expressions 2
225	Factorise quadratic expressions 3