Paper 1:

Strand 3 : Number

- → Construct $\sqrt{2}$, $\sqrt{3}$
- → prove $\sqrt{2}$ not rational
- → Complex no's
- → proofs by induction / Contradiction ...
- → Seq & Series
- → Limits
- → Financial Maths
- → Indices, algebra,
- → Area & Volume
- → Functions
- → Calculus

Paper 2:

- → Probability
- → Statistics
- → Geometry
- → Trigonometry

* Class Sat/Sun to go over Sample paper 1 2014 & others.

* Give ans. as a no. unless asked

* Make sure you answer the Q fully - you will lose a lot of marks in an easier Q if you forget to 'finish' the Q!!!!

* no matter how 'yucky' the numbers are, do NOT invent rules - stick to what you know can be done - continue on with the Q - you can come back at end and check over if you get time - and some Q's do have yucky answers.

* Exam is 2½ hrs = 150 mins

6 x 25 mark Q's
2, 3 or 4 Contexts & Appl'ns Q's worth 150 marks in total
(on average 50 marks each but check on the day)

6 x 25 = 150 marks + 150 marks = 300 marks

~ 2 marks per minute
So ~ 12 mins per 25 mark Q
~ 24 mins per 50 mark Q

but this will vary Q→Q

* Some Q's have 'hidden' (semi) extra bits - make sure you give all answers asked!

* Don't despair if you can't see a 'mathematical' answer to a question. Always think of the 'common sense' answer that might be out there - e.g. throw in some numbers into the f(x) to draw a graph. Try out diff numbers to answer a particular Q.

* Rate of change means differentiate wrt time unless another variable is mentioned

* Don't FORGET the +C !! when integrating