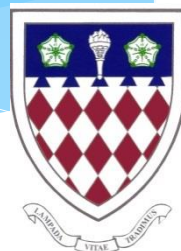
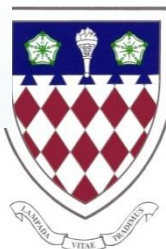
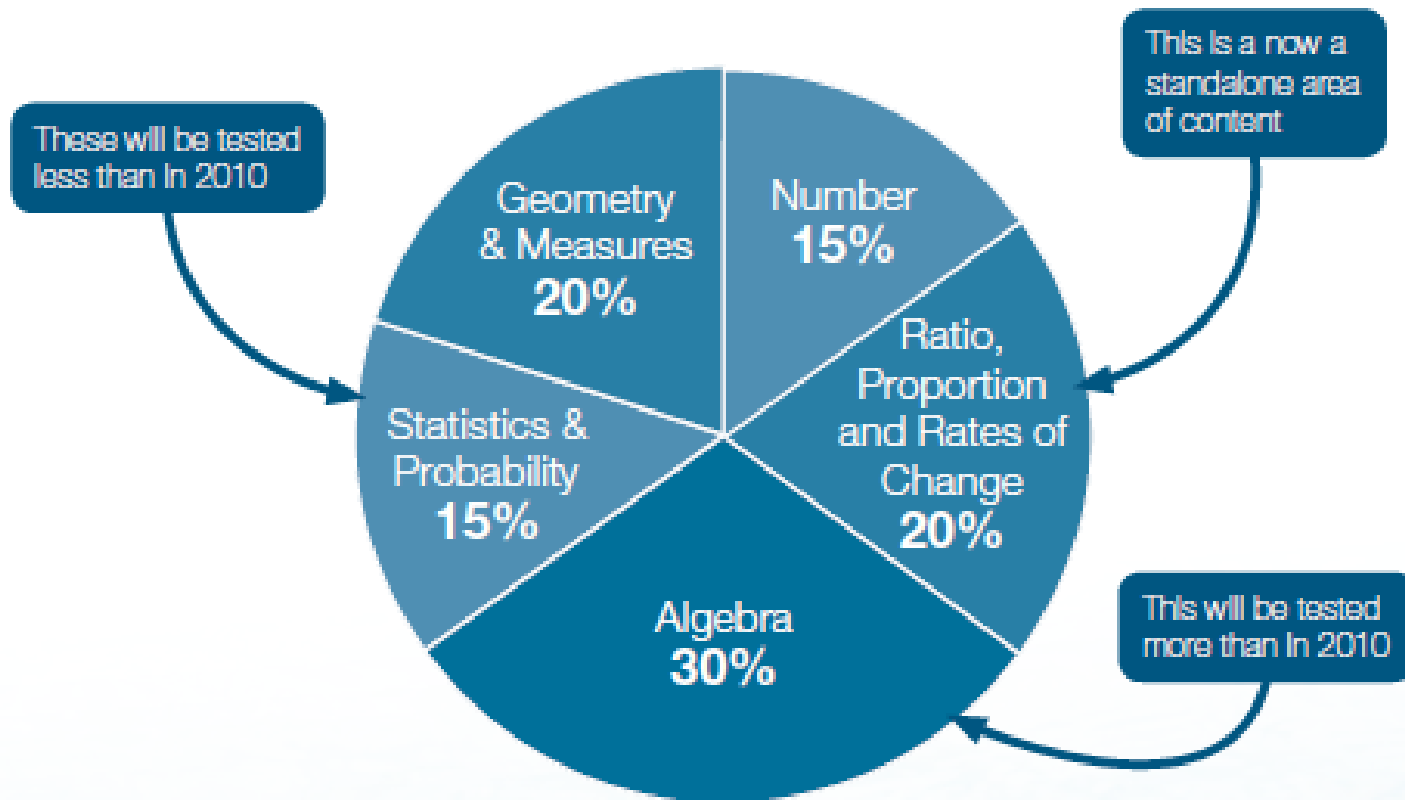


GCSE Mathematics 2017



Content

Higher

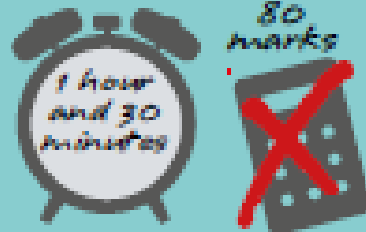


Examination papers

Foundation
(grades 1-5)

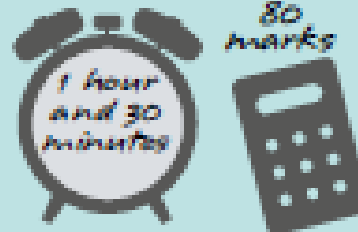
Paper 1
Non-calculator

33.3% weighting



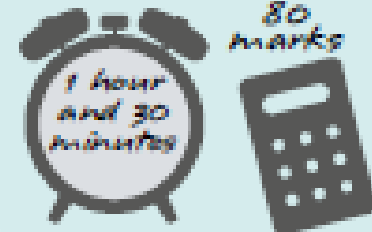
Paper 2
Calculator

33.3% weighting



Paper 3
Calculator

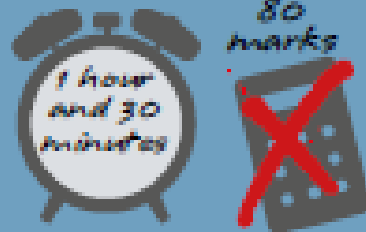
33.3% weighting



Higher
(grades 4-9)

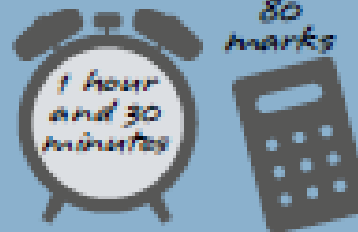
Paper 1
Non-calculator

33.3% weighting



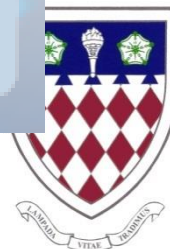
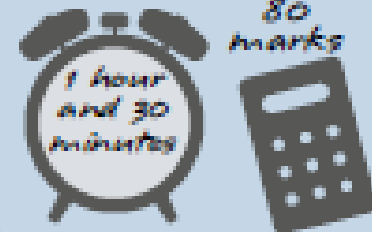
Paper 2
Calculator

33.3% weighting



Paper 3
Calculator

33.3% weighting



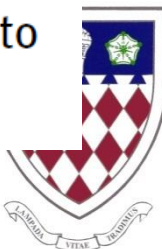
Assessment objectives

AO1 Questions that test students' memory of the content they learned in class

AO2 Questions that present a scenario and ask students to apply the correct maths

AO3 Questions that present a problem and leave the student to solve it

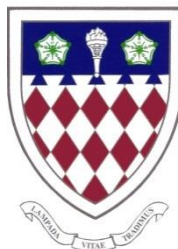
Unlike AO1 and AO2, AO3 questions will often leave the students with no hints or tips on how to solve the problem. They will often be open-ended and leave the students to develop their own method of answering the question.



AO1

Chelsea won the Premier League Championship in 2009/10. They played 38 games and won 27 of them. What percentage of the games they played in the league did they win?

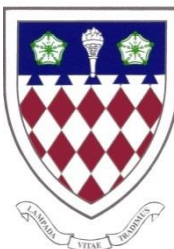
(This is a simple AO1 question. Although the information is set in a context, students just need to recall and use the correct formula in order to gain a mark.)



AO2

In the football season 2009/10, Chelsea played some games away from their home ground. Of these away games, they drew 4 games, lost one more than they drew and won twice as many as they lost. How many matches did they play away from home?

(This is an example of an AO2 question. The students have to select and apply the correct method in the context to find the appropriate solution.)

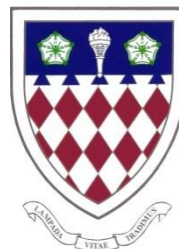


A03

In the season 2009/10, Chelsea played 38 matches.

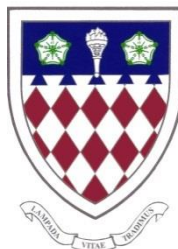
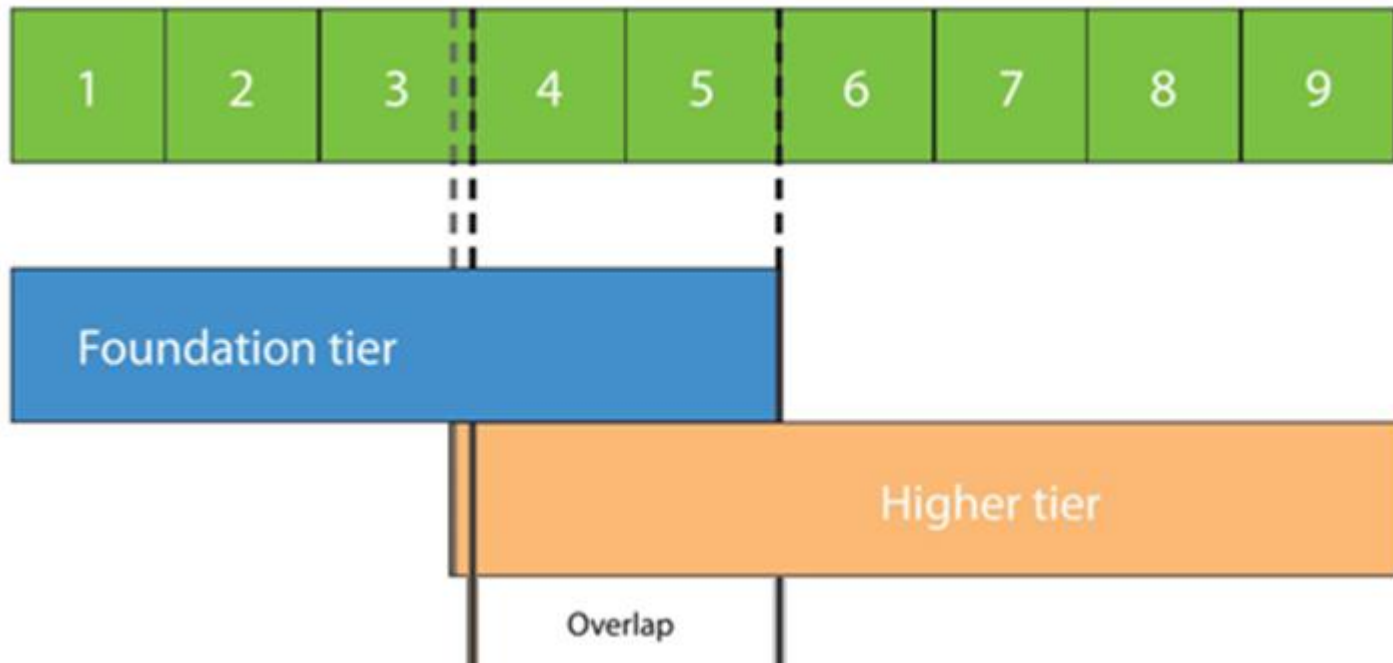
They drew 5 of their games, lost 3/19 of their games and won the rest. If they gained 3 points for a win, 1 point for a draw and 0 points for a loss, how many points did they have at the end of the season?

(This is an example of an A03 question. The students will have to interpret and analyse the problem and generate a strategy to solve it. Quite often in these questions, there will be more than one way of finding an answer that is correct.)



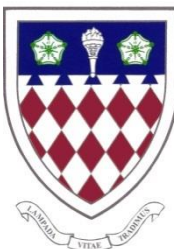
Successful

Illustration of grades and tiering in the new GCSE mathematics



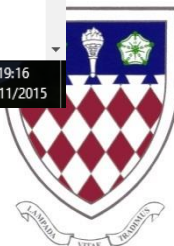
Need more challenge?

AQA GCSE **Further mathematics** for those aiming for grade 8 or 9.



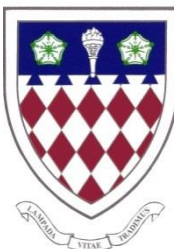
MyMaths website

The screenshot shows a web browser window with the address bar displaying `www.mymaths.co.uk/parent.html`. The page features the MyMaths logo with the tagline "Bringing maths alive" and a login form with fields for "Username" and "Password" and a "Go" button. A navigation menu includes links for Home, Primary, Secondary, Parents (highlighted), Subscribe, Help, and News. The main content area is titled "Parents" and states: "The MyMaths resources are available 24 hours a day, 7 days a week from school or from home." Below this is an illustration of a woman and a child at a computer. Three feature boxes are displayed: "Fully interactive" (with a cube icon), "Login at home" (with a cube icon), and "Check their progress" (with a cube icon). Each box contains a brief description of the feature. The Windows taskbar at the bottom shows the time as 19:16 on 01/11/2015.



Help!

- Homework books.
- MyMaths website.
- Mathsgenie
- Dr Frost
- Talk to your teachers for support.
- Mathematics Clinic every Thursday.
- Revision guides available.



Finally?

What can you do to support your daughter in maths?

1. Encourage your daughter whenever possible. **Revision** prior to every assessment is a vital part of developing skills for the final examination series.
2. Developing the ability of “**working out what to do when you don’t know what to do**” takes time, perseverance and practice, practice practice. Encourage your daughter to “**stick with it**” and ask for help if necessary. Where there is a will there is a way etc
3. Make the most of technology available to us today; graphing tools, mymaths and numeracy apps to boost confidence and speed up calculations.
4. Homework is a vitally important part of developing skills independently, it provides consolidation and enrichment opportunities. So your continued support with a quiet place to work, preferably in a social media free-zone to aid concentration and encouragement when questions are tough is always appreciated.