

# A Guide to Revising Maths

- Mr Orton Curriculum leader for Maths
- The exam
- What to revise
- Getting stuck.
- How to revise
- Revision Sessions

# The Exam

- Three papers 1hour 30mins each
- Paper one non calculator
- Paper 2/3 calculator allowed
- All papers require maths equipment – ruler, pair of compasses and protractor

Foundation – 240marks

Grade 5 -157

Grade 4 -122

Grade 3 -89

Grade 2 -56

Grade 1 -26

Higher – 240marks

Grade 9 -190

Grade 8 -157

Grade 7 -124

Grade 6 -95

Grade 5 -68

Grade 4 -41

# Unstructured questions

A school only has pupils in Year 7, Year 8 and Year 9.

The table shows information about pupil absence on one day.

	Year 7	Year 8	Year 9
<b>Number of pupils in year group</b>	380	400	420
<b>Number of pupils absent</b>	28	32	36

The target for daily attendance is 93% or more for the whole school.

Did the school meet the target that day?

.....

.....

.....

.....

.....

*(5 marks)*

### Spring Wave AQA Maths 1H

Algebra	
Algebraic fractions	R
Equation of a circle	R
Expressions	R
Graphs of quadratic functions	R
Quadratic equations (factorisation)	G
Simplify indices	G
Solve linear inequalities one variable	G
Trigonometric graphs	G

Geometry & Measures	
Alternate & corresponding angles	R
Arc lengths and sectors	G
Area of a triangle	G
Area of triangles, trapezia and parallelograms	A
Circle theorems	G
Congruency proof and areas and volumes of similar shapes	R
Polygons	R

Number	
Estimation	G
Order of operations	G
Recurring decimals	R
Standard form	G
Surds	G
Upper and lower bounds	G

Probability	
Mutually exclusive sum	R
Probability of dependent events	R
Probability of independent events	G

Ratio, Proportion and Rates of change	
Direct and inverse proportion	G
Interpret gradients of straight line graphs	G
Ratio sharing	G
Solve proportion problems	R

Statistics	
Cumulative frequency	R
Populations	A

Your current level	
Score	56%

# Getting unstuck

- Encourage students not to give up – no blank pages!
- Where is help available?
  - BBC bitesize
  - [mathswatch.co.uk/vle](http://mathswatch.co.uk/vle)
  - Revision guides
  - You tube
  - Revision sessions
  - [mymaths.co.uk](http://mymaths.co.uk)
  - [www.aqa.org.uk](http://www.aqa.org.uk)
  - Teacher help
  - Sixth form mentors
  - PIXL maths App

# Exam board websites

[www.edexcel.com](http://www.edexcel.com)

[www.aqa.org.uk](http://www.aqa.org.uk)

[www.ocr.org.uk](http://www.ocr.org.uk)

Look up past papers on any site to find more questions like these – look for the most recent papers.

	Revision
20-Nov	X
27-Nov	X
04-Dec	Fractions, Decimals and Percentages
11-Dec	Linear Equations & Sequences
18-Dec	Angles and Polygons
25-Dec	Coordinates
01-Jan	Similarity and Congruence
08-Jan	Transformations
15-Jan	Linear Graphs
22-Jan	Indices and Standard form
29-Jan	Surds
05-Feb	Quadratic Equations & Sequences
12-Feb	Construction & Loci
19-Feb	Vectors
26-Feb	Inequalities and Sim Eqns
05-Mar	Mocks
12-Mar	
19-Mar	Area and Volume
26-Mar	Transforming Functions
02-Apr	Algebraic Proofs
09-Apr	Statistical Measures
16-Apr	Rounding and Bounds
23-Apr	Pythagoras and Trigonometry
30-Apr	Ratio and Proportion
07-May	Probability
14-May	Properties of circles

# Revision

- Revision sessions
- After school sessions
- Past papers

# Mathswatch, Mymaths & PIXL maths APP

The screenshot displays a math application interface. At the top, a blue header bar contains the text "Grade 6 Standard Questions AOR" and a yellow button labeled "Return to Assigned Work". Below the header is a navigation bar with "Overview" and a series of numbered tabs from 1 to 16. Tab 1 is selected. Underneath, there are two progress bars: "Question Progress" and "Homework Progress". To the right of these bars are icons for a calculator with a red 'X' and a trophy with "93%". A large text area contains the question: "Write the recurring decimal  $0.\dot{1}$  as a fraction in its simplest form." To the right of the question is an input field with a plus sign and a yellow "Submit Answer" button. Below the question area, there are two tabs: "Recurring Decimals to Fractions" and "View One Minute Version". The "Recurring Decimals to Fractions" tab is active, showing a video player with a blue background and the text "Clip 177" and "RECURRING DECIMALS TO FRACTIONS". The video player has a play button, a progress bar showing "03:16", and a logo. To the right of the video player is an "Overview" section with the text "Grade 6 Standard Questions AOR" and "all grade 6 standard questions".



# Mathswatch, Mymaths & PIXL maths APP

The screenshot displays the MyMaths.co.uk website interface. At the top left is the logo with the tagline "Bringing maths alive". Navigation links include "Assessment Manager", "Help", and "Log out". A search bar is located at the top right. Below the navigation is a "My portal" section with fields for "Username", "Password", and a "Log in" button. On the left side, there is a sidebar menu with a dropdown for "GCSE 9-1 (Eng)". The main content area is titled "Algebra" and includes a "Filter: Everything" dropdown. A list of algebra topics is shown on the left, with "Algebraic manipulation" selected. The right side of the page lists specific topics with their corresponding codes and levels:

Topic	Code	Level
Simplifying 1	G23	f
Simplifying 2	G23	f
Single brackets	G23	f
Brackets	G45	fh
<b>Expanding three binomials</b>	<b>G67</b>	<b>h</b>
Expanding and simplifying expressions such as $(3x+2)(2x+5)(x-1)$ .		
Lesson		Online homework
Factorising linear	G23	f
Factorising quadratics 1	G45	fh
Factorising quadratics 2	G67	h
Cancelling algebraic fractions	G67	h

# Mathswatch, Mymaths & PIXL maths APP

**PMA**  
© 2015-2019 The P.M.C. Club. Version 4.65.

**Welcome to the PMA**

Please enter your school id

Please enter your userid

Please enter your password

**Login**

Forgotten password?

[Follow us](#)