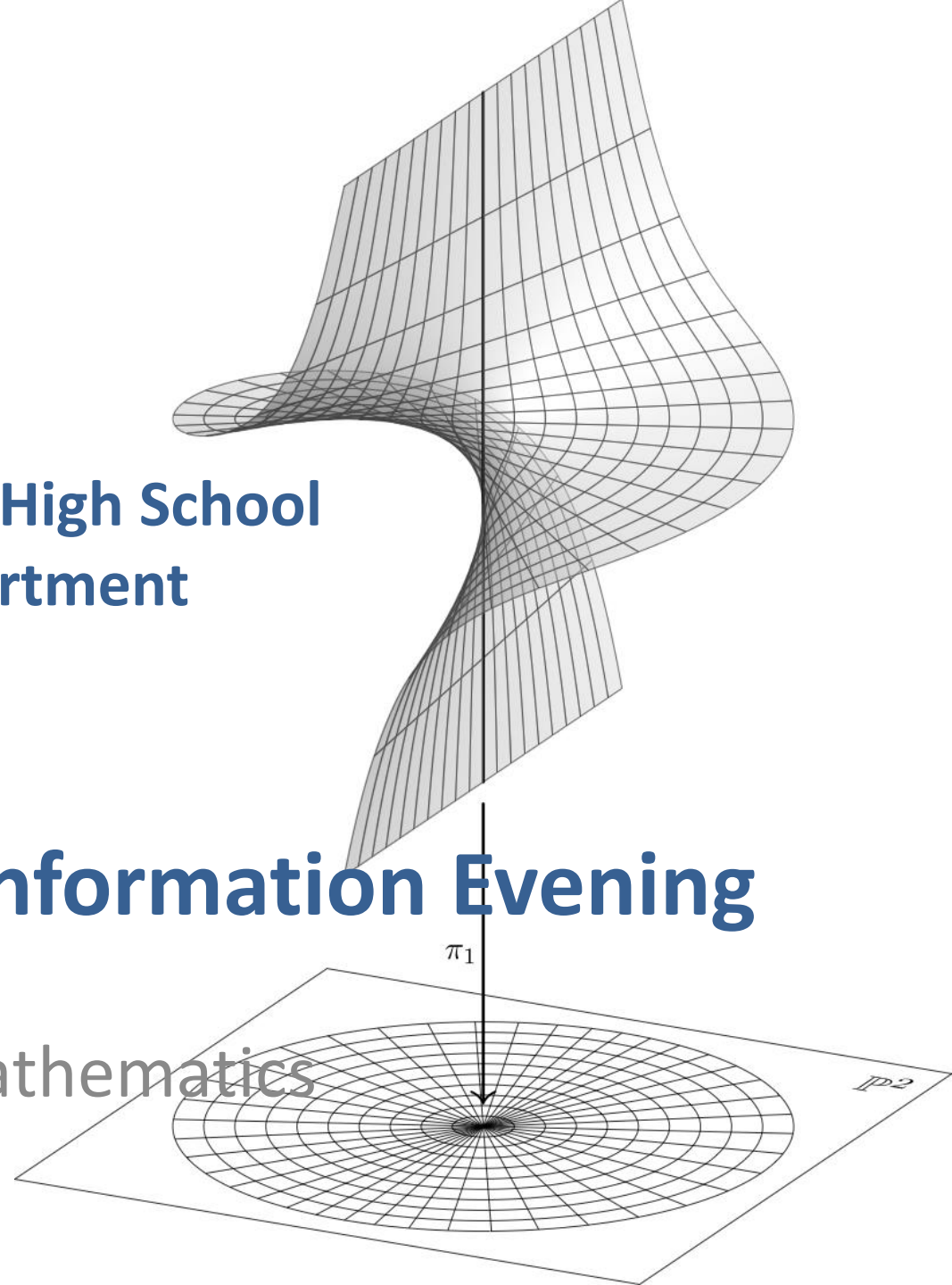


**Christ the King Catholic High School  
Mathematics Department**

# **Year 10 Parents' Information Evening**

How to prepare for Mathematics  
GCSE.

Monday, 16 March 2020



# Maths GCSE grades for 2017

A*	9
A	8
B	7
C	6
D	5
E	4
F	3
G	2
U	1

Top 3% of pupils achieve 9

7 is anchored to old A

5 is set between B and C

4 is anchored to old C

1 is the old F and G

# Maths GCSE 2017

## Structure of the Tiers

Higher	9	8	7	6	5	4			
Foundation					5	4	3	2	1

A*	9
A	8
B	7
C	6
D	5
E	4
F	3
G	2
U	1
	U

Tiers in the reformed GCSE are not the same as tiers under the previous specification.

# Maths GCSE 2017

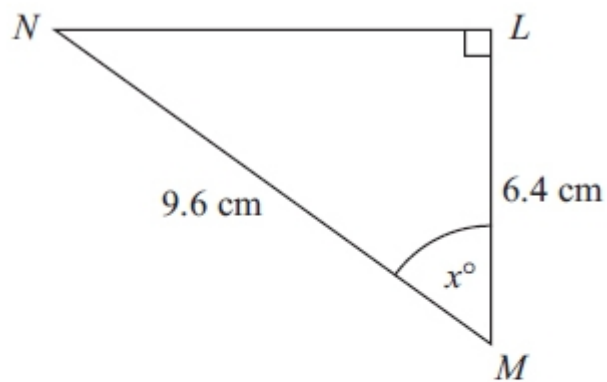
- Edexcel Linear 1MA1
- 100% examined (no coursework)
- THREE written exams
- Paper 1 Non calculator (80 marks) 1.5 hours
- Paper 2 Calculator (80 marks) 1.5 hours
- Paper 3 Calculator (80 marks) 1.5 hours

# Maths GCSE 2017

- Greater focus on problem-solving.
- Requirement to provide clear mathematical arguments.
- Huge content at both Higher and Foundation level.
- Fewer formulae provided. (students expected to remember them!)

# Year 10 Mock Paper

- 🌐 First week back after the Easter Break
- 🌐 3 papers as a real exam would be
- 🌐 We will be using real (adapted) papers that mirror a real exam so it may be a case that you will see questions that you have not yet met in class. This is all part of the learning curve around exam technique.



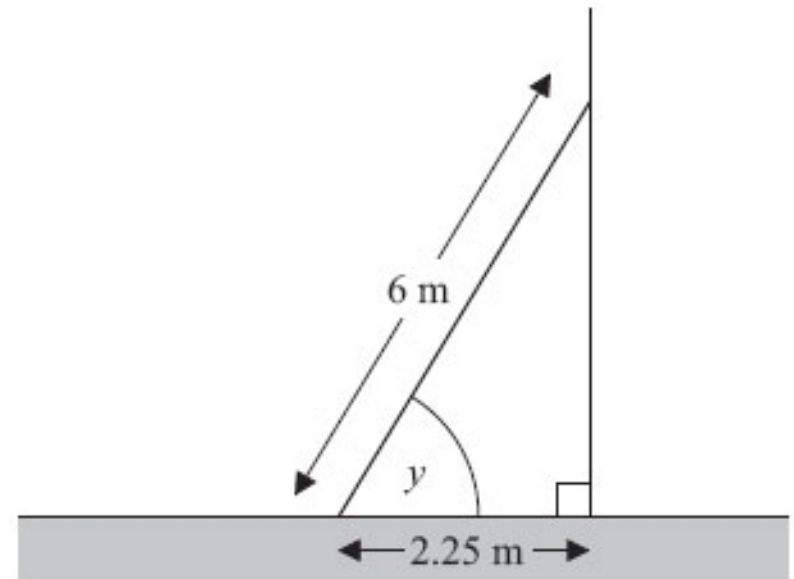
$LMN$  is a right-angled triangle.

$MN = 9.6$  cm.

$LM = 6.4$  cm.

Calculate the size of the angle marked  $x^\circ$ .  
Give your answer correct to 1 decimal place.

\* The diagram shows a ladder leaning against a vertical wall.



The ladder stands on horizontal ground.

The length of the ladder is 6 m.

The bottom of the ladder is 2.25 m from the bottom of the wall.

A ladder is safe to use when the angle marked  $y$  is about  $75^\circ$ .

Is the ladder safe to use?






You must show all your working.





Monday, 16 March 2020



# How can you help?

-  Try to have a suitable work space at home for them.
-  Encourage them to work on their targets
-  Encourage attendance at the after school revision sessions.
-  Encourage completion of homework
-  Ensure they are using the online revision tools

# How can we help?

-  Revision packs will be provided before Easter to prepare for the mock
-  Post exam review of strengths and areas for development in class

# Year 11 and beyond

- 🌐 Detailed feedback and analysis of mock papers
- 🌐 Revision sessions after school
- 🌐 Targeted intervention and support






# Post mock analysis

Questions	Question Title	Score	Clip Number
1	Compare decimal numbers	0 / 1	46
2	Convert simple decimals to percentages	0 / 1	55
3	Factors of a number	1 / 1	27
4	Round numbers to the nearest 1000	1 / 1	17
5a	Order of operations	1 / 1	24
5b	Cubing a number	1 / 1	100
5c	Order of operations	1 / 1	24
6	Fractions of an amount, fraction problem solving	3 / 3	77, 80
7	Pictograms	3 / 3	426
8a	Reading coordinates	1 / 1	199
8b	Plotting points	1 / 1	199
8c	Drawing line graphs from coordinates	0 / 1	205
9	Substitution	2 / 2	781
10	Prime numbers	0 / 2	28
11a	Equivalent fractions	0 / 1	59
11b	Adding fractions	0 / 2	66
12a	Tariff graphs	1 / 1	897
12b	Calculating values from tariff graphs	2 / 2	897
13	Compare quantities using ratio	0 / 2	328
14	Angle problem solving, properties of a kite	0 / 4	477, 560, 824
15a	Ratio problem solving	0 / 3	335
15b	Ratio problem solving	0 / 1	335
16	Similar polygons	1 / 1	608
17a	Complete a frequency tree	2 / 3	368
17b	Calculate probability from a frequency tree	2 / 2	368
18	Best buys, percentage increase and decrease	4 / 4	771, 90
19	Rotate a shape	2 / 2	649
20	Index form (multiplying and dividing)	0 / 2	106
21a	Substitution (equations of motion)	0 / 2	788
21b	Change the subject of a formula (2-step)	0 / 2	281
22	Percentage of an amount, percentage increase	0 / 5	84, 88
23a	Inverse proportion	0 / 2	342
23b	Inverse proportion	1 / 1	342
24a	Speed, estimating calculations	0 / 3	721, 131
24b	Estimation	1 / 1	131
25	Solving simultaneous equations	0 / 3	193
26	Area of a circle problem solving	0 / 4	542
27a	Independent events and probability trees	2 / 2	361
27b	Independent events and probability trees	0 / 2	361
28	Interior angles in polygons problem solving	0 / 3	564
Total		33 / 80	

Monday, 16 March 2020



# Hegarty Maths

-  <https://hegartymaths.com/login/teacher>
-  Online revision and homework tool
-  Pupils will be set tasks online
-  Videos are linked
-  Questions are exam style and are immediately marked



- A lack of interest in the subject.
- Finding the work difficult and giving up.
- Deciding that they are no good at a subject.



- Not being fully equipped - poor organisation.
- behind with homework.
- Avoiding lessons/school.

# So...what happens now?





Revising **isn't** something that should be  
**challenging** or **difficult** at all.  
What revising is, unfortunately, is time  
consuming. **It takes a while.** That's  
why you might like to **start early**  
(nothing to do on a Sunday?)....

# Make a plan

WB:	9 -10	10.15 - 11.15	11.15 - 12.15	12.15 - 1.15	1.15 - 2.15	2.15 - 3.15	3.30 - 4.30	7 - 8	8 - 9
Monday									
Tuesday									
Wednesday									
Thursday									
Friday									
Saturday									
Sunday									

# And the most important...



Lots and lots of exam practice...do loads of papers, then do them again and again, until you get them right!! (But don't forget to get them marked or check against the Mark Scheme/ videos available online.)



Locations:

Resources/Maths/!Edexcel 1MOA, 1380, 1540 or Certificate.

Via the Edexcel website (Specification A 1MAO or Edexcel Certificate 4MAO)

