

GCSE mathematics - course details

- This GCSE consists of three exam papers
- There is NO Coursework
 - Paper 1: Non-Calculator Paper (1hr 30mins)
 - Paper 2: Calculator Paper (1hr 30mins)
 - Paper 3: Calculator Paper (1hr 30mins)

Topics on the exam

- Number / Ratio & Proportion
- Algebra
- Data Handling
- Shape, Space and Measure
- Functional "Real Life" problems

Mathematics

GCSE Exam Dates:

Thursday 24th May (Paper 1 - Non Calc)

Thursday 7th June (Paper 2 - Calc)

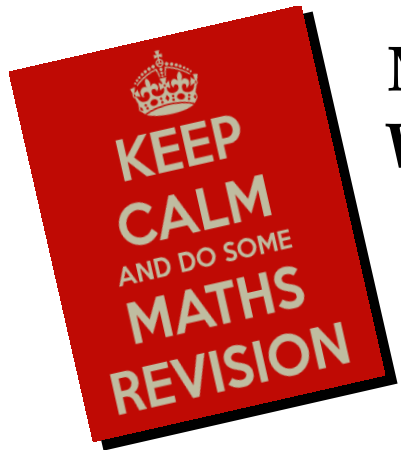
Tuesday 12th June (Paper 3 - Calc)

Revision classes this year...

After school revision - 2.30pm - 3.30pm

Monday = Set 4 and 5

Wednesday = Set 1, 2 and 3



Additional resources...



All students have received a log in for Hegarty Maths.
Online video tuition and assessments for all to access



A **FREE** revision guide and
revision workbook **to all students.**

Contents

NUMBER

- 1 Factors and primes
- 2 Indices 1
- 3 Fractions
- 4 Decimals

- 59 Volumes of 3-D shapes
- 60 Pythagoras' theorem
- 61 Surface area
- 62 Converting units
- 63 Units of area and volume

Factors and primes

- 1 (a) Express the following numbers as products of their prime factors.

Guided

- 1 Write as a power of 7

Guided

- 1 Work out $3\frac{2}{3} + 1\frac{4}{5}$
Give your answer

Guided

Guided

$$3\frac{2}{3} + 1\frac{4}{5}$$

$$= \dots + \frac{\dots}{3} + \frac{\dots}{5}$$

$$= \dots + \frac{\dots}{15} + \frac{\dots}{15}$$

$$= \dots + \frac{\dots}{15}$$

$$= \dots + 1\frac{\dots}{15}$$

$$= \dots\frac{\dots}{15}$$

Guided

Guided

Guided

- 1 Using the information that $67 \times 29 = 1943$ write down the value of

- (a) 6.7×2.9

$$6.7 \times 2.9 = 1943 \div \dots$$

$$= \dots$$

67 has been divided by 10 and 29 has been divided by 10. So the answer needs to be divided by 100.

(1 mark)

- (b) 670×0.0029

$$670 \times 0.0029 = 1943 \div \dots$$

$$= \dots$$

67 has been multiplied by 10 and 29 has been divided by 10 000. So the answer needs to be divided by 1000.

(1 mark)

Indices 1

Fractions

Decimals

Each student will be given their own revision guide and workbook!

Each student will be given information cards for Hegarty!

Topic List	Hegarty Maths Clip Numbers	🕶️	😁	😭
Basic Skills				
Negative Numbers: Four Operations	41, 42, 43, 44			
Add and Subtract Fractions and Mixed Numbers	63, 64, 66			
Multiplication and Division of Fractions	67, 68, 69, 70, 71, 72			
Multiplication and Division of Decimal Numbers	48, 49, 50			

Topic List	Hegarty Maths Clip Numbers	🕶️	😁	😭
Algebra (continued)				
Rearranging Formulae	280, 281, 282, 283, 284			
Substitution into Equations and Formulae	189, 278, 279, 287			
Linear Graphs: Drawing Straight Line Graphs	205, 206			
Linear Graphs: Equation of a Straight Line, $y = mx + c$	207, 208, 209, 210, 211, 212, 213			
Midpoint and Gradient of a Line Segment	200, 201, 202, 203, 204			
Quadratic Graphs: Drawing Quadratic Graphs	251			
Quadratic Graphs: Properties of Quadratic Graphs	252, 253, 254, 255, 256, 257			
Solving Linear and Quadratic Equations using Graphs	217, 260			
Algebraic Proof	325, 326			

