



Key Topics to Revise for Higher Tier Numeracy (and MathsWatch Clip Numbers)

Grade C

Reciprocals	123
Highest Common Factor (HCF)	124
Lowest Common Multiple (LCM)	125
Rounding to Significant Figures	126
Estimating Answers	127
Introduction to Bounds	128
Recurring Decimals to Fractions	129
Increase/Decrease by a Percentage	130
Percentage Change	131
The Gradient of a Line	132
Expanding and Simplifying Brackets	138
Solving Equations	139
Forming Formulae and Equations	140
Rearranging Simple Formulae	141
Inequalities on a Number Line	142
Geometric Properties of Quadrilaterals	145
Plans and Elevations	146
Surface Area of a Prism	147
Volume of a Prism	148
Density	150
Constructing Perpendiculars	151
Loci	153
Similar Shapes	155
Pythagoras' Theorem	156
Frequency Diagrams	157
Sampling Populations	159
Averages From a Table	160

Grade B

Standard Form	161
Index Notation	162
Negative Indices	163
Error Intervals	164
Mathematical Reasoning	165
Compound Interest and Depreciation	166
Reverse Percentage Problems	167
Pythagoras' Theorem - Using Algebra	179
Trigonometry	180
Cumulative Frequency	184
Boxplots	185

Other Topics

- Money; Profit & Loss, Bills, VAT, Tax etc.
- Conversion Graphs
- Time Conversions and Calculations
- Population Density
- Scale Diagrams

Grade A/A*

Fractional Indices	186
Recurring Decimals - Proof	187
Direct and Inverse Proportion	188
Introduction to Real-Life Finance	189
Upper and Lower Bounds	190
Surds	191
Velocity-Time Graphs	203
Similarity - Area and Volume	204
Sectors of a Circle	206
Spheres	207
Pyramids	208
Cones	209
Frustums	210
The Sine Rule	213
The Cosine Rule	214
Area of a Triangle Using Sine	215
Pythagoras in 3D	216
Trigonometry in 3D	217
Stratified Sampling	218
Histograms	220

Lower Grade Skills

- Rounding 22/39
- Multiplying/Dividing Decimals 32/33
- Fractions 34/35/59/60/61/62/69
- Percentages 70/71/72/73
- Ratio 41/78
- Negative Numbers 58
- Order of Operations 63
- Indices and Roots 66/67
- Best Buys 44
- Exchanging Money 77
- **Substitution** **84**
- Perimeter & Area 51/52/102/103/104
- Surface Area of Cuboid 107
- Volume of Cuboid 108
- Area of a Circle 109
- Circumference of a Circle 110
- Unit Conversions 105
- Speed-Distance-Time 106
- Angles Rules 90/91/92/93
- Bearings 114
- Scatter Diagrams 119
- Pie Charts 121
- Averages and the Range 122



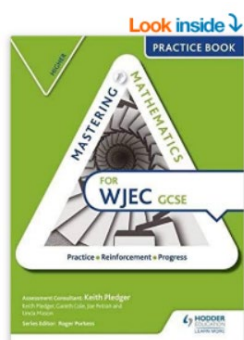
Helping your child to revise

There are a range of different websites which pupils can use to revise for their GCSE Numeracy exams. Here is a list of some we suggest:

<u>MathsDIY</u> This website provides access to past paper questions, solutions and mark schemes. You will also find past paper questions which are grouped by topic.	<u>Mathswatch</u> Provides pupils with videos and accompanying practice questions on a range of different topics. Students can find their username and password in their school emails.
<u>CorbettMaths</u> Videos and worksheets on every topic in Mathematics.	<u>BBC Bitesize</u> Information sheets with accompanying quizzes to test pupils' understanding on a range of different topics.

We also recommend the following practice book for lots of additional practice questions pupils can do at home:

QR Code:



Mastering Mathematics WJEC GCSE: Higher Practice Book Paperback – 29 Jul 2016

by Linda Mason, Keith Pledger, Gareth Cole, Joe Petran (Author)

★★★★★ 7 ratings

> See all 9 formats and editions

Paperback
£9.99

5 Used from £9.98
9 New from £9.32

Get it Mon, 11 Nov. - Tue, 12 Nov. with FREE delivery.



Website:

https://www.amazon.co.uk/Mastering-Mathematics-WJEC-GCSE-Practice/dp/1471874621/ref=asc_df_1471874621/?tag=googshopuk-21&linkCode=df0&hvadid=310867999190&hvpos=1o4&hvnetw=g&hvrnd=10151950930935182848&hvpone=&hvptwo=&hvgmt=&hvdev=c&hvdvcmdl=&hvlocint=&hvlocphy=9045370&hvtargid=pla-564198823091&psc=1&th=1&psc=1