

# Higher Revision Module 1 Number

## Edexcel Revision Guide

Factors and primes	Page 1
Indices 1	Page 2
Indices 2	Page 3
Calculator skills	Page 4
Estimation	Page 7
Standard form	Page 8
Surds 1	Page 12
Surds 2	Page 49
Counting Strategies	Page 13
Problem solving practice	Pages 14/15 (Q1, 4)

# Higher Revision Module 2 Algebra

## Edexcel Revision Guide

Indices 1	page 2
Indices 2	page 3
Algebraic skills	page 16
Expanding brackets	Page 17
Factorising	Page 18
Linear equations 1	Page 19
Linear equations 2	Page 20
Formulae	Page 21
Arithmetic sequences	Page 22
Solving sequence problems	Page 23
Quadratic sequences	Page 24

# Higher Revision Module 3 Data

## Edexcel Revision Guide

Mean, median, mode	Page 110
Frequency table averages	Page 111
Line graphs	Page 113
Scatter graphs	Page 114
Sampling	Page 115
Stratified Sampling	Page 116
Capture-recapture	Page 117
Frequency polygons	Page 121
Comparing data	Page 122
(not box plots or cumulative frequency yet)	

# Higher Revision Module 4 Ratio and Proportion

## Edexcel Revision Guide

Calculator skills	Page 4
Fractions	Page 5
Decimals	Page 6
Recurring decimals	Page 9
Ratio	Page 60
Proportion	Page 61
Percentage change	Page 62
Reverse percentages	Page 63
Growth and decay	Page 64
Proportionality formulae	Page 69 (questions 1 – 3)

# Higher Revision Module 5 Geometry and Measure

## Edexcel Revision Guide

Angle properties	Page 73
Solving angle problems	Page 74
Angles in polygons	Page 75
Pythagoras' theorem	Page 76
Trigonometry 1	Page 77
Trigonometry 2	Page 78
Solving trigonometry problems	Page 79
Problem solving practice	Pages 108/109 (Q1,3)

# Higher Revision Module 6 Algebra

## Edexcel Revision Guide

Straight line graphs 1	Page 25
Straight line graphs 2	Page 26
Parallel and perpendicular	Page 27
Quadratic graphs	Page 28
Cubic and reciprocal graphs	Page 29
Real life graphs	Page 30
Equation of a circle	Page 36
Using quadratic graphs	Page 42
Exponential graphs	Page 53 (Just recognising the shape)
Speed	Page 65

# Higher Revision Module 7 Geometry

## Edexcel Revision Guide

Upper and lower bounds	Page 10
Perimeter and area	Page 80
Units of area and volume	Page 81
Prisms	Page 82
Circles and cylinders	Page 83
Sectors of circles	Page 84
Volume of 3D shapes	Page 85
Surface area	Page 86

# Higher Revision Module 8 Algebra

## Edexcel Revision Guide

Quadratic equations	Page 31
The quadratic formula	Page 32
Completing the square	Page 33
Simultaneous equations 1	Page 34
Simultaneous equations 2	Page 35
Inequalities	Page 37
Inequalities on a graph	Page 41
Turning points	Page 43
Problem solving practice 2	question 4



# Higher Revision Module 9 Geometry

## Edexcel Revision Guide

Plans and elevations	Page 87
Translations, reflections and rotations	Page 88
Enlargement	Page 89
Combining Transformations	Page 90
Bearings	Page 91
Scale drawings and maps	Page 92
Constructions 1	Page 93
Constructions 2	Page 94
Loci	Page 95

# Higher Revision Module 10 Data and Probability

## Edexcel Revision Guide

Interquartile range	Page 112
Cumulative frequency	Page 118
Box plots	Page 119
Histograms	Page 120
Comparing data	Page 121
Probability	Page 123
Relative frequency	Page 124
Venn diagrams	Page 125
Conditional probability	Page 126
Tree diagrams	Page 127
Problem solving practice 1	Page 128
Problem solving practice 2	Page 129

# Higher Revision Module 11 Ratio and Proportion

## Edexcel Revision Guide

Calculator skills 2	Page 59
Proportion	Page 61
Growth and decay	Page 64
Speed	Page 65
Density	Page 66
Other compound measures	Page 67
Proportionality and graphs	Page 68
Proportionality formulae	Page 69
Harder relationships	Page 70
Problem solving practice 1	Page 71
Problem solving practice 2	Page 72

# Higher Revision Module 12 Geometry and Measure

## Edexcel Revision Guide

Congruent triangles	Page 96
Similar shapes 1	Page 97
Similar shapes 2	page 98
Circle facts	Page 104
Circle Theorems	Page 105
Problem solving practice (q5)	Page 109
Equation of a circle	page 36

# Higher Revision Module 13 Algebra

## Edexcel Revision Guide

Simultaneous Equations 2	page 35
Quadratic inequalities	Page 38
Inequalities on graphs	Page 41
Using quadratic graphs	Page 42
Turning points	Page 43
Sketching graphs	Page 44
Iteration	Page 45
Rearranging formulae	Page 46
Algebraic fractions	Page 47
Quadratics and fractions	Page 48
Functions	Page 50
Inverse functions	Page 51
Algebraic proof	Page 52

# Higher Revision Module 14 Geometry and Measure

## Edexcel Revision Guide

Trigonometric graphs	Page 39
Transforming graphs	Page 40
Solving trigonometry problems	Page 79
The sine rule	Page 99
The cosine rule	Page 100
Triangles and segments	Page 101
Pythagoras in 3D	Page 102
Trigonometry in 3D	Page 103

# Higher Revision Module 15 Algebra and Number

## Edexcel Revision Guide

Cubic and reciprocal graphs	Page 29
Real-life graphs	Page 30
Transforming graphs	Page 40
Exponential graphs	Page 53
Gradients of curves	Page 54
Velocity-time graphs	Page 55
Area under curves	Page 56
Proportion and graphs	Page 68
Proportionality formula	Page 69
Harder relationships	Page 70
Problem solving practice 2 (q6)	page 72

# Higher Revision Module 16 Geometry and Measure

## Edexcel Revision Guide

Vectors

Page 106

Vector proof

Page 107