Revision contents

Topic	1	NUMBER
		Basic number techniques Factors, multiples and primes Calculating with negative numbers Division and multiplication Calculating with decimals Rounding and estimation
		Converting between fractions, decimals and percentages Ordering fractions, decimals and percentages Calculating with fractions Percentages Order of operations Exact solutions Indices and roots
		Standard form Listing strategies Review it!
Topic	2	ALGEBRA
		Understanding expressions, equations, formulae and identities Simplifying expressions Collecting like terms Using indices Expanding brackets Factorising Substituting into expressions Writing expressions Solving linear equations Writing linear equations Linear inequalities Formulae Linear sequences Non-linear sequences Show that Functions Coordinates and midpoints Straight-line graphs Solving simultaneous equations Quadratic graphs Solving quadratic equations Cubic and reciprocal graphs Drawing and interpreting real-life graphs
Topic	3	RATIO, PROPORTION AND RATES OF CHANGE
Портс		Units of measure Ratio Scale diagrams and maps Fractions, percentages and proportion Direct proportion

Inverse proportion

/ / .		
	Working with percentages	114
	Compound units	118
	Review it!	121
oic 4	GEOMETRY AND MEASURES	
	Measuring and drawing angles	124
	Using the properties of angles	126
	Using the properties of polygons	131
	Using bearings	133
	Properties of 2D shapes	135
	Congruent shapes	137
	Constructions	139
	Drawing circles and parts of circles	142
	Loci	143
	Perimeter	145
	Area	148
	Sectors	151
	3D shapes	152
	Volume	155
	Surface area	157
	Using Pythagoras' theorem	159
	Trigonometry	162
	Exact trigonometric values	165
	Transformations	167
	Similar shapes	173
	Vectors	176
	Review it!	178
oic 5	PROBABILITY	
	Basic probability	182
	Two-way tables and sample space diagrams	186
	Sets and Venn diagrams	189
	Frequency trees and tree diagrams	193
	Expected outcomes and experimental probability	196
	Review it!	199
oic 6	STATISTICS	
	Data and sampling	202
	Frequency tables	205
	Bar charts and pictograms	208
	Pie charts	211
	Stem and leaf diagrams	214
	Measures of central tendency: mode	216
	Measures of central tendency: median	218
	Measures of central tendency: mean	220
	Range	223
	Comparing data using measures of central tendency and range	224
	Time series graphs	226
	Scatter graphs	228
	Graphical misrepresentation	232
	Review it!	234
	Answers for the Revision Guide	237

То

Top

Top

Exam Practice contents

Topic	1	NUMBER
Ιορις		Basic number techniques Factors, multiples and primes Calculating with negative numbers Division and multiplication Calculating with decimals Rounding and estimation Converting between fractions, decimals and percentages Ordering fractions, decimals and percentages Calculating with fractions Percentages Order of operations Exact solutions
		Indices and roots Standard form Listing strategies
Topic		Understanding expressions, equations, formulae and identities Simplifying expressions Collecting like terms Using indices Expanding brackets Factorising Substituting into expressions Writing expressions Solving linear equations Writing linear equations Linear inequalities Formulae Linear sequences Non-linear sequences Show that Functions Coordinates and midpoints Straight-line graphs Solving simultaneous equations Quadratic graphs Solving quadratic equations Cubic and reciprocal graphs Drawing and interpreting real-life graphs
Topic	3	RATIO, PROPORTION AND RATES OF CHANGE Units of measure Ratio
		Scale diagrams and maps Fractions, percentages and proportion Direct proportion Inverse proportion Working with percentages

313

Compound units

Topic 5

Topic 6

Answers for Exam Practice

Topic 4 GEOMETRY AND MEASURES

Measuring and drawing angles	
Using the properties of angles	
Using the properties of polygons	
Using bearings	
Properties of 2D shapes	
Congruent shapes	
Constructions	
Drawing circles and parts of circles	
Loci	
Perimeter	
Area	
Sectors	
3D shapes	
Volume	
Surface area	
Using Pythagoras' theorem	
Trigonometry	
Exact trigonometric values	
Transformations	
Similar shapes	
Vectors	
PROBABILITY	
Basic probability	
Two-way tables and sample space diagrams	
Sets and Venn diagrams	
Frequency trees and tree diagrams	
Expected outcomes and experimental probability	
Expected officialities and experimental probability	
STATISTICS	
Data and sampling	
Frequency tables	
Bar charts and pictograms	
Pie charts	
Stem and leaf diagrams	
Measures of central tendency: mode	
Measures of central tendency: median	
Measures of central tendency: mean	
Range	
Comparing data using measures of central tendency and range	
Time series graphs	
Scatter graphs	
Graphical misrepresentation	
Prostice names (non-salaulator)	
Practice paper (non-calculator)	
Practice paper (calculator)	

380