

HIGHER TIER - AQA			
	Paper 1	Paper 2	Paper 3
Number (*see Ratio – some overlap of topic areas)			
Arithmetic	Negative numbers		
Fractions	Arithmetic		Fraction of a number
	Fraction to decimal		
Properties		Cube root problem	Bounds
		Highest common factor problem	
			Inequality
	Square root, power		Power Significant figures
Decimals	Decimal to fraction		
	Recurring		
	Recurring to fraction		
Indices	Fractional		
	Laws of indices		
	Negative		
Standard Form		Calculation	
			Conversion
Surds	Rationalise denominator		
	Simplification		
Other		Product rule for counting	
		Use of calculator	

Algebra

Equations			Circle
	Identity		
	Linear	Linear	
	Number line		
	Quadratic inequality Quadratic problem	Quadratic	
Manipulation		Set up and solve	Set up and solve
		Change subject	Change subject
		Difference of two squares	
	Multiply out	Factorisation	Multiply out
	Simplification	Simplification	Simplification of algebraic fraction
Graphs			Coordinates
			Gradient of tangent
			Gradient problem
		Intercept	Intercept
	Points on quadratic problem	Interpret	
		Recognise	Sketch related curve
Reasoning		Speed time	
Functions		Equation	
		Composite Inverse	
Sequences			Fibonacci problem
		Linear sequence problem	
		Triangular number	Reasoning
Other	Double inequality		

Ratio, proportion, and rates of change (*see Number – some overlap of topic areas)

Ratio	n:1 form		
	Share into a ratio		
Percentages		Percentage of an amount	Greater than 100%
		Reverse percentage	
Conversion		Area	
			Mass
Applications			Average speed
			Density
	Graph problem		Inverse proportion
		Iterative process	
		Rate	
	Ratio to fraction problem		Ratio problem
			Relative frequency problem
			Repeated percentage change
	Speed Vectors		

	Paper 1	Paper 2	Paper 3
Geometry and measures			
Shape		3D Sine rule / Cosine rule	
			Arc length
	Circle theorems		Area of a triangle
			Circle theorems
			Congruence
			Enlargement
	Invariant point		
	Isosceles triangle		
		Pythagoras	
	Reflection		
	Rotation		
		Similar triangles	Similar triangles
	Tangent to a circle problem	Sine rule / Cosine rule	
		Translation	
Trigonometry exact values			
Area and Volume			Combined shape
			Combined volumes
		Perimeter problem	
		Surface area of cube	
		Trapezium	Trapezium
			Triangle
			Volume of cube
			Volume of cone
		Volume of cuboid problem	
		Volume of hemisphere	
Vectors		Vector proof	
Angles			In triangle
Other		Bearings	
	Column vectors Geometric proof		

Statistics

Diagrams		Box plot	
		Composite bar chart	
	Cumulative frequency graph		
	Cumulative frequency table		
	Frequency table		
	Interpret		
		Interpret box plot	
		Interpret histogram	
		Two-way table	
	Venn diagram		
Measures		Estimate mean from table	
	Lower quartile	Lower quartile	
			Mean problem
	Median	Median	
	Range		
		Reasoning	
		Upper quartiles	

Probability

Probability			Conditional probability
		Dependent events	
			Exhaustive probabilities
		Independent events	
			Independent probabilities
			Mutually exclusive probabilities
		Relative frequency	

Information

This advance information covers all examined components.

- There are no restrictions on who can use this.
- The format/structure of the papers remains unchanged.
- For each paper the list shows the major focus of questions.
- The information is presented in specification order and not in question order.

Advice

- The following areas of content are suggested as key areas of focus for revision and final preparation, in relation to the NOV 2022 examinations.
- Students and teachers should consider how to revise other parts of the specification, for example to review whether other topics may provide knowledge which helps your understanding in relation to the areas being tested in NOV 2022.
- Students will be credited for using any relevant or appropriate knowledge from any topic areas when answering questions.

This information is the same as the AQA provided information except that it has been reduced in size to only include information for this specific tier of entry ... any queries to support@justmaths.co.uk ...
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