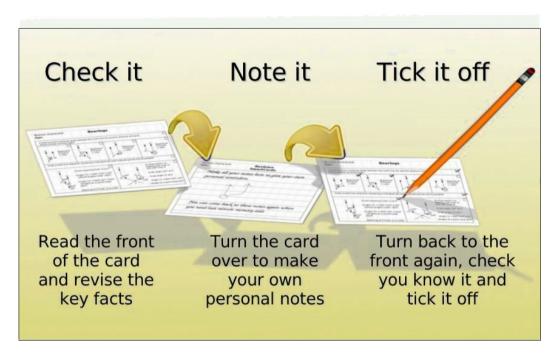
2017/18 Maths GCSE 9-1 Revision Pack Index for AQA Foundation





<u>A</u>		<u>C</u> (continued)	
Addition – formal written methods	2	Constructions with compass & ruler	79-81
Addition law of probability	106, 107	Continuous data	118
Algebraic definitions	28	Conversions – measurement	60
Algebraic fractions	32	Coordinates – in 4 quadrants	37
Algebraic notation	26	Coordinates – length of line segment	37
Alternate angles	82	Coordinates - mid point of line segment	37
Angles – elevation and depression	102	Correlation	125
Angles – with lines	82	Corresponding angles	82
Angles – polygons	84	Cubic graph	43
Angles – triangles	83	Currency conversion / graph	44
Arc length	97		
Area – calculations	95	<u>D</u>	
Area – trapezium	95	Decimals – division	9
Area – triangles	95	Decimals – formal written methods	2-6, 9
Area – units	60	Decimals – fractions & percentages	22
Arithmetic progression (sequences)	54-56	Decimals – place value	13
		Definitions – algebraic	28
<u>B</u>		Density – mass, volume	74
Bar charts	119	Density – units	74
Bearings	94	Dependent events	112
Best buy	74	Diagram and scale drawing	61
BIDMAS	15	Difference of two squares	33
Bisect an angle	80	Direct proportion	72, 73
С		Direct proportion graphs	73
<u>Cancelling</u>	11	Discrete data	117
Capacity – units	60	Distance, speed, time	74
	35	Distance / time graph	44
Change subject of formula Circles – calculations	97	Division – formal written methods	6-9
	91	Double brackets	30, 31, 33
Circles – parts of	82	E	
Co-interior angles	69	<u> </u>	92
Compound interest		Edges	
Compound units	74 66	Elevations	93
Concentration	66	Enlargement	90
Cones	100, 20	Enumeration	17
Congruence	86	Equation of straight line	38, 39, 40

<u>E</u> (continued)		<u>G</u>	
Equations – definitions	28	Geometric progression (sequences)	59
Equivalent fractions	11	Gradient of a line	39, 76
Error intervals	24	Graphs – distance/time	44
Estimated mean	117, 118	Graphs – financial	44
Estimating	23	Graphs – time series	123
Even numbers	16	Grouped data	117, 118
Exact calculations	20		
Exact trigonometric values	102	<u>Н</u>	40
Expand - definition	28	Highest common factor (HCF)	16
Expanding brackets	29, 30	Household finance	70, 71
Expected frequency	105	<u>I</u>	
Expression – definition	28	Identity – definition	28
E		Improper fractions	11
Faces	92	Independent events	111
Factorise - definition	28	Indices & roots	18
Factorising into brackets	29, 31, 33	Indices – algebraic	34
Factors	16	Indices – calculating with	19
Fibonacci series	57	Inequalities – one variable	53
Financial graphs	44	Inputs and outputs	36
Finding equation from graph information	40	Intercept	39
Formula – definition	28	Interval notation	53
Formulae – to know about/memorise	126, 127	Inverse operations	14
Formulate expressions	48	Inverse proportion	72, 73
Fractions – add, subtract, multiply, divide	12	Inverse proportion graphs	73
Fractions - algebraic	32	Irrational numbers	13
Fractions – decimals & percentages	22	К	
Fractions – equivalent	11	<u>►</u> Kinematic formulae	127
Fractions – improper	11	Kinematic formulae	121
Fractions – quantities as fractions of others	63	<u>L</u>	
Frequency polygon	120	Length of line segment	37
Frequency tables – grouped data	117, 118	Length – units	60
Frequency tables – ungrouped data	115, 116	Linear equations – set up	48
Frequency tree	104	Linear equations – solve	45-47
Functions – inputs & outputs	36	Linear graphs – finding equations	40
	'		

<u>L</u> (continued)		<u>0</u>	
Linear graphs – gradient / intercept	39	Odd numbers	16
Linear graphs – plot and solve	38	Ordering numbers	1
Linear graphs – recognise and sketch	42	Outputs and inputs	36
Line chart	119	_	
Line of best fit	125	<u>P</u>	
Listing strategies	17	Parallel Graphs	39
Loci	81	Parallel lines and angles	82
Long division	8	Percentages – calculations	22, 67
Loss	70	Percentages – decimals and fractions	22
Lowest common multiple (LCM)	16	Percentages – credit, debit, VAT	71
		Percentages – growth and decay	69
<u>M</u>		Percentages – new, original prices	68
Maps	62	Percentages – tax, profit, loss	70
Mass, density and volume	74	Perimeter	96
Mass – units	60	Perpendicular line construction	79, 81
Mean	115, 116	Pictograms	119
Mean – estimated	117, 118	Pi	20, 97, 99, 100
Measurement equivalents	60	Pie charts	121, 122
Median	115, 116	Place value	13
Mid interval value	117, 118, 120	Plans	93
Midpoint of line segment	37	Plotting a graph	38, 41
Mixed numbers	11	Populations	113
Modal class	117, 118, 120	Possibility spaces	110
Mode	115, 116	Powers (square, cube etc.)	18, 19, 34
Money – units	60	Pressure – units	74
Multiples	16	Prime factor tree / decomposition	16
Multiplication – formal written methods	3-5	Prime numbers	16
Multiplication law of probability	111, 112	Probability – addition laws	106, 107
Mutually exclusive events/or not	106, 107	Probability – dependent / independent	111, 112
-		Probability – multiplication laws	111, 112
<u>N</u>	40	Probability – mutually exclusive / not	106, 107
Negative numbers + - × ÷	10	Probability scale	105
Notation – unknown number	26	Probability – theory	104, 105
Number line	1, 10, 53	Profit	70
		Proportion and ratio	64
		Pythagoras	87

Q		S (continued)	
Quadratic equations – plot and solve	41	Segment – area	97
Quadratic equations – solve algebraically	49	Sequences	54-59
Quadratic graphs	41, 42	Set notation	109
Quadratic sequence	58	Sets	108, 109
Quadrilaterals	83, 85	Set up and solve basic equations	48
		Significant figures	25
<u>R</u>		Similar shapes – definition	86
Range	115-118	Similar shapes – finding scale factors	75
Rate of change	76	Simple interest	69
Rates of pay	74	Simplify – definition	28
Rational numbers	13	Simplify expressions	29
Ratio and proportion	64	Simplify indices	19, 34
Ratios	65, 66, 75	Simultaneous equations	50-52
Real life graphs	44	Single brackets	29
Rearranging formulae	35	Sketch / recognise graphs	42, 43
Reciprocal graph	43	SOHCAHTOA	101, 102
Reciprocals	14	Solid shapes – faces, edges, vertices	92
Recognise / sketch graphs	42, 43	Solve a linear equation	45-47
Reflection	88	Solve a quadratic equation	49
Reflective symmetry	77	Speed, distance, time	74
Relative frequency	105	Speed – units	74
Roots (square, cube etc.)	18	Spheres	97, 20
Rotation	88	Standard form	21
Rotational symmetry	78	Stem and leaf diagrams	124
Rounding	23-25	Stratified sampling	114
e		Substitution	27
Sample spaces	110	Subtraction – formal written methods	2
Sample spaces	113, 114	Surface area	97-100, 20
Sampling / samples	61	Surveys	114
Scale drawing from diagram	94	Symbols	26
Scale factors – bearings	90	Symmetry – reflective	77
Scale factors – enlargement	90 62	Symmetry – rotational	78
Scale factors – maps		Systematic listing strategies	17
Scale factors – similar shapes	75, 86		
Scatter graph	125		
Sector – area	97		

<u>I</u>	
Tax	70, 71
Theoretical probability	105
Three dimensional (3D) shapes	92
Time, distance, speed	74
Time series graph	123
Time – units	60
Translation	89
Tree diagrams	111, 112, 108
Triangle numbers	57
Triangles	83
Trigonometry – exact values	102
<u>U</u>	
Unit price	74
Unit of measurement	60, 74
Unknown number notation	26
<u>v</u>	
VAT	71
Vectors	103
Venn diagrams	108, 109
Vertical line charts	119
Vertically opposite angles	82
Vertices	92
Volume	97-100, 20
Volume, mass, density	74
Volume – units	60
<u>X</u>	
(x,y) coordinates	37
<u>Z</u>	
Zone	81



Red Cliff Learning Ltd