

AQA Maths Foundation Topic List

Paper 1 - Number

	Topics	Clip Number	R	A	G
Arithmetic	Four operations	18 – 23, 47 – 51, 144, 145, 146			
	Negative number	37, 39 – 43			
	Order of operations	24, 44, 120, 150			
	Estimation	131			
Fractions	Arithmetic	65 – 70			
	Fraction of a number	77			
Indices	Laws of indices	102 – 107			
Standard form	Conversion	122, 123, 124			
	Calculation	125 – 128			
Other	Inequality notation	14, 46, 265, 266			
	Systematic listing	670			

P1 - Algebra

	Topics	Clip Number	R	A	G
Equations	Linear	176 – 186, 188, 189			
Graphs	Recognise	205, 208, 209, 251, 299, 301			
	Plot	205, 206, 251, 298, 300, 712, 878, 879, 895			
	Linear graph	205 – 213			
	Intersection of lines	217, 218, 219			
	Interpret	207, 208, 209, 299, 301, 713, 874 – 877, 880, 894, 896 – 902			
Reasoning	Formula	154, 155, 280 – 287			
Sequences	Sequence rule to find a term	197, 198, 249, 261, 263, 264			

P1 - Ratio

	Topics	Clip Number	R	A	G
Conversions	Lengths	692, 693, 694, 705, 706			
Percentages	Percentage of an amount	84, 85, 86			
	Amount as a percentage	62, 76			
Fraction	Fraction less than 1	58 – 61			
Ratio	Simplest form	329			
	Ratio to fraction	330			
Applications	Cost problem	747 – 754, 763 – 772			
	Density	725 – 729, 731			

P1 - Geometry and Measures

	Topics	Clip Number	R	A	G
Shape	Naming circle part	592			
	Types of triangle	823			
	Translation	637, 638, 650			
Area and volume	Perimeter	549 – 552, 545			
	Sector of a circle	544 – 547			
Angles	In triangles	484 – 491			
Constructions	Region	674 – 679			

P1 - Statistics

Topics	Clip Number	R	A	G
Two-way table	422, 423, 424			
Averages problem	404 – 409, 419, 420			
Outlier	453, 454			

P1 - Probability

Topics	Clip Number	R	A	G
Problem	351 – 354, 358, 359			
Venn diagram	372 – 380, 383, 384			

Paper 2 - Number

	Topics	Clip Number	R	A	G
Arithmetic	Order of operations	24, 44, 120, 150			
Fractions	Fraction of a number	77			
	Improper fraction	63, 64			
	Fraction to decimal	74			
Properties	Number line decimal	45			
	Number problem	20, 23, 51			
	Prime number	28			
	Cube number	100			
	Decimal place	45, 46, 56			
Other	Inequality notation	14, 46, 265, 266			

P2 - Algebra

	Topics	Clip Number	R	A	G
Equations	Linear	176 – 186, 188, 189			
Manipulation	Equivalent expressions	156 – 159			
	Terms	156, 157			
	Multiply out	158, 160 – 165, 173, 174			
	Factorisation	168 – 171, 221, 223, 224			
Graphs	Coordinates	199			
	Midpoint	200			
	Point on a line	206			
	Intercept of a line	207, 210			
	Gradient of a line	201 – 204			
	Equation of a line	205 – 214			

P2 - Ratio

	Topics	Clip Number	R	A	G
Conversions	Time	709, 710, 711			
Percentages	Ratio and percentage	330			
	Percentage increase	90, 91, 92, 94, 96, 97, 98			
	Percentage decrease	90, 91, 92, 95, 96, 97			
Ratio	n : 1 form	331			
Applications	Proportion problem	339 – 342, 739 – 742			
	Scale diagram	864 – 871			
	Better value	763 – 772			
	Ratio to percentage	330			
	Equation to percentage	176, 82, 83, 87, 89, 90, 97, 98			
	Rate of output	738, 896			

P2 - Geometry and Measures

	Topics	Clip Number	R	A	G
Shapes	Draw shape	822			
	Quadrilateral	824, 825, 826			
	Parallelogram	824, 825, 826			
	Part of circle	592			
	Pythagoras	498, 499, 501, 502			
Measures	Time problem	709, 710, 711			
Area and volume	Compound shape	555, 558, 582			

P2 - Statistics

	Topics	Clip Number	R	A	G
	Pie chart	427, 428, 429			
	Range	410, 414			
	Mean	405 – 408, 417			

P2 - Probability

	Topics	Clip Number	R	A	G
	Relative frequency	356, 357			
	Expected value	355			
	Tree diagram	361, 362, 363			

Paper 3 - Number

	Topics	Clip Number	R	A	G
Properties	Place value	13, 14, 45			
	Factor	27			
	Multiple	33			
	Highest Common Factor	31, 32			
	Error interval	774, 775, 776			
Indices	Calculation	102 – 107			
Other	Money problem	747 – 754			
	Units of measure	691			

P3 - Algebra

	Topics	Clip Number	R	A	G
Equations	Number machine	176, 177			
Manipulation	Simplification	156 – 159, 173, 174			
	Substitution	155, 278, 780 – 783			
	Formula	280 – 287			
Graphs	Roots	253			
	Turning point	255			
Sequences	Arithmetic	196, 197, 198			
	Geometric	264			
	<i>n</i> th term	198, 249			

P3 - Ratio

	Topics	Clip Number	R	A	G
Conversions	Lengths	692, 693, 694, 705, 706			
	Time	709, 710, 711			
Ratio	Share into a ratio	332 – 335			
Applications	Ratio problem	335 – 338			
	Interpretation	328 – 348, 713, 739 – 742			
	Ratio to graph	330, 348			
	Average speed	716 – 724			
Percentage	Percentage increase	90, 91, 92, 94, 96, 97, 98			
Fraction	Fraction to percentage	76			

P3 - Geometry and Measures

	Topics	Clip Number	R	A	G
Shape	Name	822			
	Regular	822			
	Line symmetry	827			
	Rotational symmetry	828			
	Circle	534 – 543, 592			
	Cylinder	829			
	Sphere	829			
	Trigonometry	508 – 515			
Area and volume	Compound shape	555, 558, 582			
	Perimeter	549 – 552			
Angles	Alternate angles	481			
Other	Vector arithmetic	623 – 626			

P3 - Statistics

Topics	Clip Number	R	A	G
Two-way table	422, 423, 424			
Vertical line diagram	425			
Mean from diagram	405 – 408, 417			
Bar chart	425			

P3 - Probability

Topics	Clip Number	R	A	G
Frequency tree	368, 369			
Estimate of probability	356			