

Foundation Tier Paper 1 – No Calculator

Topic	Detail	Hegarty	Revised
Number (see Ratio)			
Arithmetic	Four operations	1-12, 18-24	
	Negative number	39-44	
	Order of operations	24, 44, 120, 150	
	Estimation	131	
Fractions	Arithmetic	65-70	
	Fraction of a number	77	
Indices	Laws of Indices	102-110	
Standard Form	Conversion	122-123	
	Calculation	125-127	
Other	Inequality notation	267-268	
	Systematic listing	670	
Algebra			
Equations	Linear	177-186	
Graphs	Recognise	299	
	Plot	*	
	Linear graph	206-216, 220	
	Intersection of lines [solve simultaneous equations using a graph]	218	
	Interpret [real life graphs]	894	
Reasoning	Formula	155	
Sequences	Sequence rule to find a term	197	
Ratio (see Number)			
Conversions	Lengths	692-694	
Percentage	Percentage of an amount	84-86	
	Amount as a percentage	*	
Fraction	Fraction less than 1	*	
Ratio	Simplest form	329	
	Ratio to fraction	330	
Applications	Cost problem [including best buys]	752-754, 763-772	
	Density	725-733	
Geometry and Measures			
Shapes	Naming circle part	592	
	Types of triangle	823	
	Translation	637-638	
Area and Volume	Perimeter	548-552	
	Sector of a circle	546-547	
Angles	In triangles	485-487	
Constructions	Region	679	
Statistics			
	Two-way table	422-424	
	Averages problem	419-421	
	Outlier	453	
Probability			
	Problem	349-359	
	Venn diagram	370, 374-375, 378-380, 383-385, 388	

*Please see your class teacher for support revising starred topics.

[Information in squared brackets is to help you identify the topic when revising]

Foundation Tier Paper 2 - Calculator

Topic	Detail	Hegarty	Revised
Number (see Ratio)			
Arithmetic	Order of operations	24, 44, 120, 150	
Fractions	Fraction of a number	77	
	Improper fraction	63-64	
	Fraction to decimal	73-74	
Properties	Number line decimal	*	
	Number problem	*	
	Prime number	28	
	Cube number	100	
	Decimal place	56	
Other	Inequality notation	267	
Algebra			
Equations	Linear	178-186, 188	
Manipulation	Equivalent expressions	156-159	
	Terms		
		160-165	
	Multiply out		
	Factorisation	168-169	
Graphs	Coordinates	199	
	Midpoint	200	
	Point on line	212-213	
		208-210	
	Intercept of a line		
	Gradient of a line	201-204, 208-210	
	Equation of a line	206-213	
Ratio (see Number)			
Conversions	Time	709-711	
Percentage	Ratio and percentage	*	
	Percentage increase	89-92	
	Percentage decrease	89-92	
Ratio	n : 1 form	331	
Applications	Proportion problem	339-342	
	Scale diagram	864-871	
	Better value	763-772	
		*	
	Ratio to percentage		
	Equation to percentage	*	
	Rate of output [proportion problem/inverse]	*	
Geometry and Measures			
Shapes	Draw shape	832	
	Quadrilateral	824-826	
	Parallelogram	556	
	Part of circle	592	
	Pythagoras	498-507	
Measures	Time problem	721-722	
Area and Volume	Compound shape	555	
Statistics			
	Pie chart	427-429	
	Range	410, 414	
	Mean	405-408, 417-418	
Probability			
	Relative frequency	356-357	
	Expected value	355-356	
	Tree diagram	361-366	

Foundation Tier Paper 3 - Calculator

Topic	Detail	Hegarty	Revised
Number (see Ratio)			
Properties	Place value	13	
	Factor	27	
	Multiple	33	
	Highest Common Factor	31-32	
Indices	Error interval	774-777	
	Calculation	105-107	
Other	Money problem	743-754	
	Units of measure	691	
Algebra			
Equations	Number machine		
Manipulation	Simplification	156-159	
	Substitution	155, 189, 278-279, 780-787	
	Formula [change the subject]	280-287	
Graphs	Roots	253	
	Turning point	255-256	
Sequences	Arithmetic	196-198	
	Geometric	264	
	<i>n</i> th term	198	
Ratio (see Number)			
Conversions	Lengths	692-694	
	Time	709-711	
Ratio	Share into a ratio	332-334	
Applications	Ratio problem	335-337	
	Interpretation	*	
	Ratio to graph [Conversion graphs and Linear functions]	712-713	
	Average speed	716-723	
Percentage	Percentage increase	89-90	
Fraction	Fraction to percentage	75-76	
Geometry and Measures			
Shape	Name	*	
	Regular	562, 564	
	Line symmetry	827	
	Rotational symmetry	828	
	Circle	534-547	
	Cylinder	572-575, 586	
	Sphere	580-581, 588	
	Trigonometry	508-515	
Area and Volume	Compound shape	555	
	Perimeter	548-552	
Angles	Alternate angles	481	
Other	Vector arithmetic	625-626	
Statistics			
	Two-way tables	422-424	
	Vertical line diagram	425	
	Mean from diagram	417-418	
	Bar chart	425	
Probability			
	Frequency tree	368-369	
	Estimate of probability	356	