



The
Appleton
School

KS4 MATHEMATICS

Edexcel

FOUNDATION 2: CALCULATOR

PERSONAL LEARNING CHECKLISTS

2022

Mathematics – Foundation 2: Calculator

RAG Rate each section in the first column

Red = Not at all confident – needs major revision focus, Amber = requires more revision until confident. Green = Confident.

Use remaining columns to colour code when you have revised and tested your knowledge and understanding over several weeks.

Key Idea	Key Knowledge to understand	Hegarty Maths Clip Number	RAG					
Number								
Arithmetic	Money	743 – 754						
	Negative number	37 – 44						
Fractions	Fraction arithmetic	65 – 70, 80						
	Order fractions	60						
Properties	Order integers	14, 37						
	Multiples	33						
Approximation and Estimation	Rounding	17, 56, 130, 133						
	Error interval	774 – 777						
Other	Mathematical symbols	14						
Algebra								
Manipulation	Simplification	156 – 159						
	Expansion of bracket	160, 161						
	Factorisation	168 – 171, 223, 224						
	Laws of indices	173, 174						
Equations and inequalities	Linear simultaneous equations	190 – 195, 218, 219						
Graphs	Coordinates	199, 200						
	Straight line graph	205 – 213						
Functions	Number machines	176, 177						

Ratio, proportion, and rates of change								
Conversions	Mass, time, area	695, 696, 697, 700, 701, 705, 706, 709, 710, 711						
	Scale drawing	864 – 871						
Percentages	Decimal to percentage	55						
	Percentage profit	760, 761						
	Depreciation	95						
Ratio	Write as a ratio	328, 329						
	Use of ratio	335 – 338						
Proportion	Direct proportion	339, 340, 341, 343, 344, 345, 348, 739 – 742						
	Currency conversion	707, 708						
Geometry and measures								
Shape	Polygons	822 – 828						
	Circles	592						
	Parallel and perpendicular lines	821						
	Transformations	637 – 645, 648 – 654						
Angles	Angles in a triangle	484 – 491						
	Vertically opposite angles	480						
Length, area, and volume	Area of a rectangle	553, 554, 555						
Probability								
Probability	Tree diagram	361, 362, 363						
	Combined events	358, 359, 360						
Statistics								
Diagrams	Interpret graph	425 – 433, 450 – 454						
	Two-way table	422, 423, 424						

	Frequency table	401, 402, 403						
Measures	Mode	404, 415, 419, 420						
	Median	409, 416, 419, 420						
	Mean	405 - 408, 417, 419, 420						