

Foundation Paper 1A (non calculator)

Topic	R	A	G
Bus stop division			
Adding and subtracting with negative numbers			
Multiplying and dividing with negative numbers			
Place value			
Dividing fractions			
Converting between mixed numbers and improper fractions			
Multiplying decimals			
Solving 2 step equations			
Representing inequalities on a number line			
Solving 2 step inequalities			
Sketching horizontal and vertical graphs (e.g. sketch $y = 4$, $x = 3$)			
Sketching the graphs $y = x$ and $y = -x$			
Sketching a graph by completing a table of values (e.g. sketch the graph of $y = 3x + 2$)			
Problems involving area and perimeter of rectangles			
Solving equations with x on both sides			
Solving equations with x on both sides including brackets			
Problem solving with algebra			
Calculations with upper and lower bounds			
Find the equation and y intercept of a line written in the form $y = mx + c$			
Find the equation and y intercept of a line written in the form $y = mx + c$ that involves rearrangement			
Sharing amounts in a given ratio			

Foundation Paper 1B (non calculator)

Topic	R	A	G
Converting between fractions, decimals and percentages			
Ordering fractions, decimals and percentages			
Recognising congruent shapes			
Rules for congruent triangles (SAS, SSS, ASA, RHS)			
Finding lengths in similar shapes			
Finding area and volume of similar shapes			
Finding the area of a triangle			
Factors, multiples, primes and square numbers			
Probability sample space diagrams			
Prime factor decomposition (factor trees) - including writing answer in index form			
Highest common factor and lowest common multiple (using a Venn diagram)			

Foundation Paper 2 (Calculator)

Topic	R	A	G
Recognising metric units of length, area and volume			
Converting between metric units of length, mass and capacity			
Recognising different parts of a circle			
Recognising inequality symbols ($<$, $>$, \leq , and \geq)			
Solving 1 step equations			
Converting between minutes and hours			
Finding the volume of a cube			
Finding the area and perimeter of a rectangle			
Problem solving with area of rectangles			
Substituting values into expressions e.g. find $2x + 3y$ when $x = 5$ and $y = 4$			
Finding the area of a circle			
Expressing inequalities on a number line			
Finding the area of a triangle			
Solving 2 step equations			
Using a calculator accurately			
Finding the area of semi circles and quarter circles			
Solving equations with x on both sides			
Substituting values into formulae			
Finding the area of compound shapes (including rectangles and triangles)			
Finding the surface area of a cuboid			
Converting between metric and imperial units (conversions given). e.g. convert between miles and km			
Distance-time graphs			
Problem solving with area and perimeter of rectangles			