

FOUNDATION TIER PAPER

Below is a list of possible topics that could appear on the 2nd paper.
Do not take this as a complete list but it is a good starting point.

Number

Ordering
numbers/negatives/fractions/decimals
Prime factors
Common factors and common multiples
Indices
Sets
Express one quantity as a percentage of another
Increase/decrease by a percentage
Ratio
Rounding
Upper and lower bounds
Adding subtracting fractions and mixed numbers
BODMAS
Conversions and conversions currency

Algebra

Substitute into formulae
Equations with variables on both sides/fractions
Simultaneous equations
Shading regions
Inequalities
Midpoint of a line
Gradient of a line
Equation of the line $y=mx+c$
Coordinates
Conversions
Speed/distance time calculations
Quadratic graphs
Function machines

Geometry and Measures

Marking parallel/perpendicular lines and angles
Symmetry
Reflections
Angles in polygons
Distance time graph
Area of a circle/circumference
3D shapes naming vertices/edges/faces
Volume and surface area
Pythagoras
Parts of a circle
Reading scales
Bearings
Volume of a cylinder
Finding an angle trigonometry
Area of compound shapes
Congruent and similar shapes

Data Handling

Pie charts
Pictograms
Unknowns for mean, median and range
Estimate of probability