

Topic	Aspect
Probability	Fundamental Principal of Counting Calculating Probabilities
DST	Calculate distance, speed and time
Sets	Definitions (Set, element, union, intersection, null set etc.) Filling elements into sets Sets involving algebra
Applied Arithmetic	Calculating percentages Income tax VAT
Statistics	Distinguish between categorical and numerical data Display data using bar charts, pie charts and stem and leaf diagrams Find the mean, mode, median and range of data (both odd numbers of data and even numbers of data).
Factorising & Quadratics	4 types of factorising: - HCF

	<ul style="list-style-type: none"> - Grouping - Quadratics - Difference of two squares <p>Solving quadratics (-b formula)</p>
Perimeter, Area & Volume	<p>Perimeter of 2-D shapes</p> <p>Area of 2-D shapes (triangles, rectangles etc.)</p> <p>Volume of cuboids and cylinders and spheres/hemispheres</p>
Co-ordinate Geometry	<p>Plotting points and writing co-ordinates</p> <p>Midpoint of points</p> <p>Distance between points</p> <p>Slope between points</p> <p>Equation of a line using formula</p> <p>Verify a point is on a line</p>
Circles	<p>Angle at the centre of a circle standing on the same arc</p> <p>Angles on the same arc</p> <p>Angles in a triangle in a semi-circle</p> <p>Cyclic quadrilaterals</p>

Triangles	Similar triangles 4 cases of congruency
Geometry	Axes of symmetry Central symmetry, axial symmetry & translations
Trigonometry	Pythagoras's theorem Finding missing angles in right-angled triangles (Sin, Cos & Tan) Finding missing sides in right-angled triangles (Sin, Cos & Tan)
Patterns	Complete patterns Identify patterns as linear or quadratic