

Year 8	Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Unit 6
Topic/Theme/Focus	<p>In this unit students will study directed number.</p> <p>They will cover fundamental knowledge such as: Ordering directed numbers. Four operations with directed numbers. Using a calculator to perform calculations involving directed numbers. Algebra in directed number.</p>	<p>In this unit student will be reasoning with data in maths.</p> <p>They will cover fundamental knowledge such as plotting and using scatter graphs. Recognising types of data and using frequency tables. Understanding and using probability.</p>	<p>In this unit students will be developing geometry skills.</p> <p>They will cover fundamental knowledge such as: Calculating areas of trapeziums and circles. Recognising lines of symmetry in polygons and other 2d shapes.</p>	<p>In this unit students will be reasoning with data in maths.</p> <p>They will cover fundamental knowledge such as: Collecting data and evaluating questionnaires for bias. Interpreting and constructing statistical diagrams including pictograms, bar charts, dual bar charts and line graphs. And pie charts. Working with averages.</p>	<p>In this unit students will learn algebraic thinking.</p> <p>They will cover Brackets. Forming and solving equations and inequalities. Generating sequences and finding the nth term.</p>	<p>In this unit students will be developing number skills.</p> <p>They will cover fundamental knowledge such as: Developing understanding of equivalences between fractions, decimals and percentages. Finding FDP of amounts both with and without the use of a calculator. Evaluating percentage increases and decreases. Writing numbers as powers of 10. Converting between metric measures and units. Estimating numbers.</p>
Corbett Maths Videos	208, 205-207, 211, 20, 110,	165 – 168, 244 – 245, 250-251	40,41,46,47, 316, 272-274,68-83	342, 343, 343a, 147, 148, 163, 164, 157-159	16, 9, 19, 386, 20, 115, 110, 290, 288	121-126, 238-239, 300-303, 349-350, 215
Key vocabulary	Positive, negative, zero, ascending, descending, greater than, less than, equal, difference, addition, subtraction, product, multiply	Plot, scatter, graph, frequency. Probability, data.	trapezium, circle, area, radius, parallel, perpendicular height, compound shapes, arc,	primary, secondary, data, questionnaires, bias, pictograms, graphs, charts, representation, bar	Algebra, variable, unknown, like, unlike, terms, equivalence, function, inverse, input, output, expression, evaluate, substitute, solve	fractions, decimals, percentages, equivalent, increase, decrease, percentage change, multiplier, original,

			tangent, sector, segment, diameter, reflect, polygons, horizontal, vertical	charts, dual bar charts, line graphs, discrete, continuous		powers, negative, positive, standard form, integer, metric, unit, SI, litres, millilitres, centimetres, metres, millimetres, estimating, rounding, significant figures
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