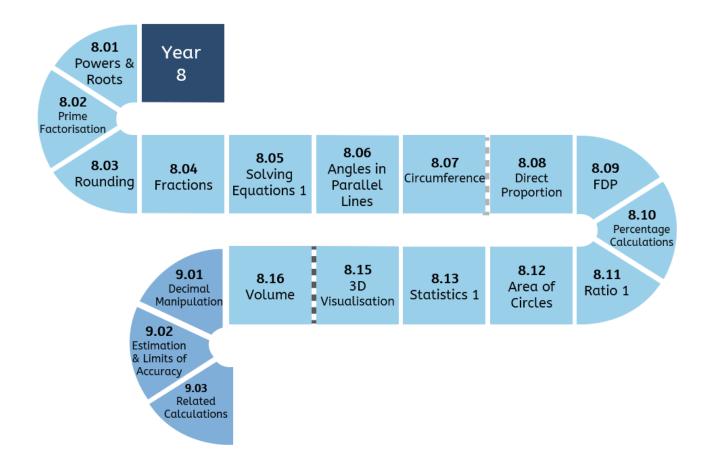
Holland Park School | Year 8 Maths 2025/2026



Overview	Year 8 Topics 2025/2026
Assessment	Fortnightly Topic Assessment
Homework	Sparx Maths (set every Wednesday, due for following Wednesday)
Resources	Sparx Maths, Corbett Maths, Maths Genie
Key	Square number, cube number, square root, indices, prime, prime factor
Terminology	decomposition, significant figures, estimate, improper, inverse, variable, coefficient, term, expression, parallel, perpendicular, alternate, corresponding, co-interior, vertically opposite, diameter, radius, chord, tangent, arc, sector, segment, circumference, revolution, proportion, percentage, ratio, unitary, trapezium, isosceles, frequency, average, mean, median, mode, range, face, edge, vertex, prism, cylinder, cone, sphere, volume, capacity

Topics	Key content	Sparx Clips
8.01 Powers and Roots	Use integer powers and associated real roots (square, cube and higher), recognise powers of 2, 3, 4, 5 and distinguish between exact representations of roots and their decimal approximations	M135, M608

product notation and the unique factorisation property (HCF and LCM with large numbers taught in 9.04) 8.03 Rounding Round numbers and measures to an appropriate degree of accuracy [for example, to a number of decimal places or significant figures] M10 M22	22, M823, 08, M365, 27, M698
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accuracy [for example, to a number of decimal places or significant figures]	
significant figures]	.1, M431,
	M131, M878
	9, M410,
M67	'1, M601,
Multiply and divide fractions and mixed numbers M83	5, M931,
M15	57, M197,
M11	LO, M265
8.05 Solving Equations Use algebraic methods to solve linear equations in one variable M70	7, M509,
	87, M554,
	.3, M795,
	31, M957
I linderstand and use the relationship between parallel lines and	.8, M163,
Lines Alternate and corresponding angles M60	6, M351,
M67	79, M393
8.07 Circumference Calculate and solve problems involving perimeters of 2-D shapes	
(including circles) and composite shapes	95, M169
8.08 Direct Proportion Use direct proportion for best buy and recipe problems. M47	78, M681
8.09 Fractions, M26	57, M958,
Decimals and Converting between fractions, decimals and percentages. M26	54, M553
Percentages	
8.10 Percentage Solve problems involving percentage change, including:	
Calculations percentage increase, decrease, original value problems and simple	M235
interest in financial mathematics. Using multipliers.	
8.11 Ratio 1 Divide a given quantity into two parts in a given part:part or M88	85, M543,
	J921, M801,
	M525
8.12 Area of Circles Derive and apply formulae to calculate and solve problems	
involving area of circles (including part circles) and area of	05, M231,
tranezia M43	0, M303,
M26	59, M996
8.13 Statistics 1 Construct and interpret appropriate tables, charts, and diagrams, M94	5, M460,
	8, M140,
	3, M574,
	M648, M210
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8.15 3D Visualisation Use the properties of faces, surfaces, edges and vertices of cubes,	
i l	57, M518
cuboids, prisms, cylinders, pyramids, cones and spheres to solve M76	
cuboids, prisms, cylinders, pyramids, cones and spheres to solve problems in 3-D	

8.16 Volume	Derive and apply formulae to calculate and solve problems involving volume of cuboids (including cubes) and other prisms (including cylinders)	M765, M722, M697, M465
9.01 Decimals	Apply all four operations using non-calculator methods when	U417, U478, M462,
	working with decimals; this includes both dividing a decimal by an	U735, U127, U293,
	integer and dividing a number by a decimal.	U453, U868, U976
9.02 Estimation and	Use rounding in order to complete estimations (rounding to both	U480, U298, U731,
Accuracy	one significant figure and applying sensible rounding), using	U965, U225, U657,
	inequality notation to write error intervals from both rounding	U587, U108, U301
	and truncation.	
9.03 Calculations	Recognise and use relationships between operations in order to	U735
	write down the answer to a related calculation from a given	
	calculation.	