SAT Math Section

Topics and Subtopics	% of Test Both/NoCal	App. # of Q Both/NoCal
Number and Operations	0%	0
Algebra and Functions	**60%/74%**	**35/28**
Analyzing and fluently solving linear equations and systems of linear equations; Creating linear equations and inequalities to represent relationships between quantities and to solve problems; Understanding and using the relationship between linear equations and inequalities and their graphs to solve problems.	33%/29%	19/11
Identifying and creating equivalent algebraic expressions; Creating, analyzing, and fluently solving quadratic and other nonlinear equations; Creating, using, and graphing exponential, quadratic, and other nonlinear functions.	28%/18%	16/7
Geometry and Measurement	**10%/8%**	**6/3**
Solving problems related to area and volume; Applying definitions and theorems related to lines, angles, triangles, and circles; Working with right triangles, the unit circle, and trigonometric functions.	10%/8%	6/3
Trigonometry: right angles, unit circle, and trigonometric functions.		
Data Analysis, Statistics and Probability	**29%/45%**	**17/17**
Creating and analyzing relationships using ratios, proportional relationships, percentages, and units; Representing and analyzing quantitative data; Finding and applying probabilities in context.	29%/45%	17/17

SAT Subject Math 1

Topics and Subtopics	% of Test	Approx # of Q
Number and Operations	10-14%	5-7
Operations, ratio and proportion, complex numbers, counting, elementary number theory, matrices, sequences		
Algebra and Functions	38-42%	19-21
Expressions, equations, inequalities, representation and modelling, properties of functions (linear, polynomial, rational, exponential)		
Geometry and Measurement	38-42%	19-21
Plane geometry	18-22%	9-11
Coordinate: Lines, parabolas, circles, symmetry, transformations	8-12%	4-6
Three-dimensional: solids, surface area and volume (cylinders, cones, pyramids, spheres, prisms)	4-6%	2-3
Trigonometry: right triangles and identities	6-8%	4-6
Data Analysis, Statistics and Probability	8-12%	4-6
Mean, median, mode, range, interquartile range, graphs and plots, least squares regression (linear), probability		

SAT Subject Math 2

Topics and Subtopics	% of Test	Approx # of Q
Number and Operations	10-14%	5-7
Operations, ratio and proportion, complex numbers, counting, elementary number theory, matrices, sequences, series, vectors		
Algebra and Functions	48-52%	24-26
Expressions, equations, inequalities, representation and modelling, properties of functions (linear, polynomial, rational, exponential, logarithmic, trigonometric, inverse trigonometric, periodic, piecewise, recursive, parametric)		
Geometry and Measurement	28-32%	14-16
Plane geometry	--------	--------
Coordinate: lines, parabolas, circles, ellipses, hyperbolas, symmetry, transformations, polar coordinates	10-14%	5-7
Three-dimensional: solids, surface area and volume (cylinders, cones, pyramids, spheres, prisms), coordinates in three dimensions	4-6%	2-3
Trigonometry: right triangles, identities, radians, law of cosines, law of sines, equations, double angle formula	12-16%	6-8
Data Analysis, Statistics and Probability	8-12%	4-6
Mean, median, mode, range, interquartile range, standard deviation, graphs and plots, least squares regression (linear, quadratic, exponential), probability		