SAT Database Contents

A Arithmetic

- **A** Integers
- **B** Fractions and decimals
- **C** Percents
- **D** Rates, ratios, and proportions
- **E** Exponents, radicals, and scientific notation

B Algebra

- **A** Evaluating expressions (substitution)
- **B** Simplifying expressions
- **C** Solving equations
- **D** Transforming equations
- **E** Systems of equations
- **F** Inequalities
- **G** Word problems (numerical quantities)
- **H** Word problems (variable quantities)

C Geometry

- **A** Intersecting lines and angles, parallel lines and transversals
- **B** Triangles: angle measures, side lengths
- **C** Special triangles, Pythagorean theorem, area and perimeter
- **D** Quadrilaterals
- **E** Polygons
- **F** Circles: degree measure, circumference and area
- **G** Circles and tangent lines
- **H** Solids
- **I** Geometric proportions, similarity
- **J** Segments and number lines
- **K** Coordinate geometry
- **L** Midpoint, distance formula, equations of lines
- **M** Composite figures, area of shaded regions
- **N** Miscellaneous geometry

D Number Theory

- **A** Odd and even numbers
- **B** Positive and negative numbers
- **C** Factors and multiples
- **D** Divisibility and prime numbers
- **E** Modular arithmetic and remainders
- **F** Defined operations
- **G** Sets: elements, union, intersection
- **H** Sequences and series (including exponential growth)
- **I** Miscellaneous number theory

E Probability, Statistics and Data Analysis

- **A** Averages
- **B** Arrangements, combinations, and permutations
- **C** Probability
- **D** Interpreting data (data interpretation, scatterplots, matrices)
- **E** Geometric probability

F Advanced Algebra

- **A** Absolute value
- **B** Rational equations
- **C** Radical equations
- **D** Integer and rational exponents
- **E** Direct and inverse variation

G Functions

- **A** Functions and formulas
- **B** Notation and evaluation
- **C** Domain and range
- **D** Functions as models
- **E** Linear functions, equations and graphs
- **F** Quadratic functions, equations and graphs
- **G** Qualitative behavior of graphs and functions
- **H** Graphs of functions: transformations

H Arithmetic

- **A** Fractions, decimals and percents
- **B** Simple arithmetic (integers, order of operation)
- **C** Advanced arithmetic (rational numbers)
- **D** Exponents, scientific notation
- **E** Radicals
- **F** Measurement
- **G** Unit rates
- **H** Misc arithmetic

I Algebra

- **A** Evaluating expressions
- **B** Expressions (one variable)
- **C** Advanced expressions
- **D** Absolute value
- **E** Linear equations (one variable)
- **F** Advanced equations
- **G** Numberlines
- **I** Inequalities
- **J** Systems of equations
- **K** Systems of inequalities
- **L** Quadratic equations
- **M** Exponents and logarithms
- **N** Functions
- **O** Word problems
- **P** Miscellaneous Algebra

J Geometry

- **A** Intersecting lines and angles
- **B** Triangles
- **C** Quadrilaterals
- **D** Circles
- **E** Solids
- **F** Coordinate geometry
- **G** Miscellaneous Geometry

K Data/analysis

- **A** Number theory
- **B** Sequences and series
- **C** Sets
- **D** Defined operations
- **E** Data interpretation
- **F** Probability/statistics