

Mathematics Reference Books

No.	Name	Author	Publisher
1	100 Essential Things You Didn't Know You Didn't Know	John D. Barrow	Bodley Head
2	101 Great Ideas for Introducing Key Concepts in Mathematics	Alfred S. Posamentier & Herbert A. Hauptman	Corwin Press
3	A Century of Calculus Part I : 1894 - 1968	Tom M. Apostol	MAA
4	A Century of Calculus Part II : 1969 - 1991	Tom M. Apostol	MAA
5	A Concise Geometry (1921)	Clement V. Durell	G. Bell and Sons
6	A Course In Pure Mathematics	Margaret M. Gow	Arnold
7	A Course of Pure Mathematics (Centenary Edition)	G. H. Hardy	Cambridge University Press
8	A Decade of the Berkeley Math Circle - The American Experience, Volume 1	Zvezdelina Stankova, Tom Rike	AMS
9	A First Course in Abstract Algebra	John B. Fraleigh	Addision Wesley
10	A First Course in Probability	Sheldon M. Ross	Prentice Hall
11	A New Geometry for Schools	Clement V. Durell	Bell
12	A New Trigonometry for Schools	Clement V. Durell	Bell
13	A School Arithmetic	Hall & Stevens	Macmillan
14	About Teaching Mathematics (2nd Edition) : A K - 8 Resources	Marilyn Burns	Math Solutions Publications
15	Advanced Euclidean Geometry - Excursions for Secondary Teachers and Students	Alfred S. Posamentier	Wiley Publishing
16	Advanced Level Pure Mathematics	S. L. Green	UTP
17	Advanced Trigonometry	C. V. Durell and A. Robson	Dover
18	An Elementary Course of Mathematics - Comprising Arithmetic, Algebra and Euclid	Henry Sinclair Hall	Forgotten Books
19	An Introduction to Game Theory	Martin J. Osborne	Oxford
20	An Introduction to Game-Theoretic Modelling (Second Edition)	Michael Mesterton-Gibbons	AMS
21	Basic Geometry (Third Edition)	George David Birkhoff	AMS Chelsea
22	Basic Geometry: Answer Book	Birkhoff and Beatley	AMS Chelsea

No.	Name	Author	Publisher
23	Basic Geometry: Manual for Teachers	Birkhoff and Beatley	AMS Chelsea
24	Bayesian Methods: An Analysis for Statisticians and Interdisciplinary Researchers	Thomas Leonard, John S. J. Hsu	Cambridge University Press
25	Calculus	Loomis	Addison Wesley
26	Calculus Problems for a New Century Vol. 2 : Resources for Calculus	Robert Fraga	MAA
27	Challenging Mathematical Problems with Elementary Solutions Vol. 1	A. M. Yaglom & I. M. Yaglom	Dover
28	Challenging Mathematical Problems with Elementary Solutions Vol. 2	A. M. Yaglom & I. M. Yaglom	Dover
29	Chaotic Elections! A Mathematician Looks at Voting	Donald G. Saari	AMS
30	Circle in a Box	Sam Vandervelde	AMS
31	Circles: A Mathematical View	Dan Pedoe	MAA
32	Collected Mathematical Papers Vol. 1	H. J. S. Smith	AMS Chelsea
33	Collected Mathematical Papers Vol. 2	H. J. S. Smith	AMS Chelsea
34	Collected Papers	Ramanujan	AMS Chelsea
35	Collected Papers Vol. 1	George Polya	MIT Press
36	Collected Papers Vol. 2	George Polya	MIT Press
37	Collected Papers Vol. 3	George Polya	MIT Press
38	Collected Papers Vol. 4	George Polya	MIT Press
39	Comparative Education Research: Approaches and Methods	Mark Bray, Bob Adamson & Mark Mason	Springer
40	Comparative Education: Continuing Traditions, New Challenges, and New Paradigms	Mark Bray	Kluwer Academic Publishers
41	Concepts of Mathematical Modeling	Walter J. Meyer	Dover
42	Coordinate Geometry	Henry Burchard Fine and Henry Dallas Thompson	Macmillan
43	Descartes' Secret Notebook	Amir D. Aczel	Broadway
44	Differential and Integral Calculus	Edmund Landau	AMS Chelsea
45	Discourses on Algebra	Igor R. Shafarevich	Springer

No.	Name	Author	Publisher
46	Discrete Mathematics in Schools	Joseph G. Rosenstein et. al.	AMS
47	Disquisitiones Arithmeticae	Carl Friedrich Gauss	Yale University Press
48	Divergent Series	G. Hardy	AMS Chelsea
49	Elementary Algebra for Schools	Henry Sinclair Hall & Samuel Ratcliffe Knight	Adamant Media Corporation
50	Elementary Geometry	Clement V. Durell	Bell
51	Elementary Geometry Part III	Clement V. Durell	Bell
52	Elementary Mathematics from an Advanced Standpoint: Arithmetic, Algebra, Analysis	Felix Klein	Cosimo
53	Elementary Mathematics from an Advanced Standpoint: Geometry	Felix Klein	Dover
54	Elementary Number Theory	Edmund Landau	AMS Chelsea
55	Elementary Set Theory	K. T. Leung & Doris L. C. Chen	Hong Kong University Press
56	Environmental Mathematics in the Classroom	B. A. Fusaro & P. C. Kenschaft	MAA
57	Euclidean Geometry and Transformations	Clayton W. Dodge	Dover
58	Euclid's Elements in Greek Vol. 1 : Book 1 - 4	Richard Fitzpatrick	Lulu.com
59	Euclid's Elements in Greek Vol. 2 : Book 5 - 9	Richard Fitzpatrick	Lulu.com
60	Euclid's Elements in Greek Vol. 3 : Book 10	Richard Fitzpatrick	Lulu.com
61	Exploring Mathematics through History	M Ruth Eagle	Cambridge
62	Famous Problems of Elementary Geometry	Felix Klein	Cosimo
63	Famous Problems of Elementary Geometry: the Duplication of the Cube, the Trisection of an Angle, the Quadrature of the circle	Felix Klein	Ginn & Company
64	Famous Problems of Geometry and How to Solve Them	Benjamin Bold	Dover Publications
65	Fibonacci's Liber Abaci	L. E. Sigler	Springer
66	Fifty Modern Thinkers on Education: From Confucius to Dewey	Joy A. Palmer ed. al.	Routledge Key Guides
67	Fifty Modern Thinkers on Education: From Piaget to the Present	Joy A. Palmer ed. al.	Routledge Key Guides
68	Five-Minute Mathematics	Ehrhard Behrends	AMS
69	Foundation and Fundamental Concepts of Mathematics	Howard Eves	Dover

No.	Name	Author	Publisher
70	Foundation of Analysis	Edmund Landau	AMS Chelsea
71	Frameworks for Thinking: A Handbook for Teaching and Learning	David Moseley, et. al.	Cambridge
72	From Pythagoras to Einstein	K. O. Friedrichs	MAA
73	Fundamental Concepts of Mathematics	K. T. Leung & P. H. Cheung	Hong Kong University Press
74	Fundamentals of Actuarial Mathematics	S. David Promislow	Wiley Publishing
75	General Theory of Functions and Integration	Angus E. Taylor	Dover
76	Geometric Transformations	I. M. Yaglom	MAA
77	Geometric Transformations II	I. M. Yaglom	MAA
78	Geometric Transformations III	I. M. Yaglom	MAA
79	Geometric Transformations IV	I. M. Yaglom	MAA
80	Geometry and the Imagination	Hilbert and Cohn-Vossen	AMS Chelsea
81	Geometry Teacher's Activities Kit	Judith A. Muschla & Gary R. Muschla	The Center for Applied Research in Education
82	How to Differentiate Instruction in Mixed-Ability Classrooms (2nd Edition)	Carol Ann Tomlinson	Association for Supervision & Curriculum Development (ASCD)
83	How to Guard an Art Gallery	T. S. Michael	Johns Hopkins
84	How to Solve It	George Polya	Princeton
85	In Eve's Circles	Joby Milo Anthony ed. al.	MAA
86	Inequalities (Cambridge Mathematical Library) (2 nd Edition)	G. Hardy, J. E. Littlewood & G. Polya	Cambridge University Press
87	Infinite Sequences and Series	Konrad Knopp	Dover
88	Interest Rate Models: An Introduction	Andrew J. G. Cairns	Princeton University Press
89	Intermediate Mechanics Vol. 1: Dynamics SI Edition	D. Humphrey	Longman
90	Intermediate Mechanics Vol. 2: Statics SI Edition	D. Humphrey	Longman
91	Introduction to Calculus and Analysis II/1	Richard Courant & Fritz John	Springer
92	Introduction to Calculus and Analysis II/2	Richard Courant & Fritz John	Springer

No.	Name	Author	Publisher
93	Introduction to Probability Models	Sheldon M. Ross	Academic Press, Inc.
94	Introduction to Probability Theory and Its Applications Volume 1	William Feller	Wiley Publishing
95	Introduction to Probability Theory and Its Applications Volume 2	William Feller	Wiley Publishing
96	Introduction to the Geometry of Complex Numbers	Roland Deaux	Dover
97	Leadership for Differentiating Schools & Classrooms	Carol Ann Tomlinson & Susan Demirsky Allan	Association for Supervision & Curriculum Development (ASCD)
98	Lectures on Mathematics: The Evanston Colloquium	Felix Klein	Merchant Books
99	Lessons in Geometry - I. Plane Geometry	Jacques Hadamard	AMS
100	Linear Algebra and Geometry	K. T. Leung	Hong Kong University Press
101	Mathematical Amazements and Surprises	Alfred Posamentier & Ingmar Lehmann	Prometheus
102	Mathematical Analysis Second Edition	Tom M. Apostol	Addison Wesley
103	Mathematical Connections - A Capstone Course	John B. Conway	AMS
104	Mathematical Methods in Science	George Polya	MAA
105	Mathematical Modeling : A Case Studies Approach	Reinhard Illner, C., Sean Bohun, Samantha McCollum, Thea van Roode	AMS
106	Mathematical Modeling in Biology	Elizabeth S. Allman & John A. Rhodes	Cambridge
107	Mathematical Modeling in the Enviroment	Charles R. Hadlock	MAA
108	Mathematical Papers Vol. 1	Leonard Eugene Dickson	AMS Chelsea
109	Mathematical Papers Vol. 2	Leonard Eugene Dickson	AMS Chelsea
110	Mathematical Papers Vol. 3	Leonard Eugene Dickson	AMS Chelsea
111	Mathematical Papers Vol. 4	Leonard Eugene Dickson	AMS Chelsea
112	Mathematical Papers Vol. 5	Leonard Eugene Dickson	AMS Chelsea
113	Mathematical Papers Vol. 6	Leonard Eugene Dickson	AMS Chelsea
114	Mathematics Curriculum - Issues, Trends, and Future Directions	Barbara J. Reys , Robert E. Reys and Rheta Rubenstein	National Council of Teachers of Mathematics

No.	Name	Author	Publisher
115	Mathematics in Modern Life		National Council of Teachers of Mathematics
116	Mathematics Projects Handbook	Glenn D. Allinger, ed. al.	National Council of Teachers of Mathematics
117	Mathematics: Its Content, Methods, and Meaning Book 1	A. N. Kolmogorov ed. al.	The M.I.T. Press
118	Mathematics: Its Content, Methods, and Meaning Book 2	A. N. Kolmogorov ed. al.	The M.I.T. Press
119	Mathematics: Its Content, Methods, and Meaning Book 3	A. N. Kolmogorov ed. al.	The M.I.T. Press
120	Mathematics: Modeling our World Course 1	COMAP	COMAP
121	Mathematics: Modeling our World Course 2	COMAP	COMAP
122	Mathematics: Modeling our World Course 3	COMAP	COMAP
123	Mathematics: Modeling our World Course 4 - Pre Calculus	COMAP	COMAP
124	Methods of Mathematics Applied to Calculus, Probability and Statistics	Richard W. Hamming	Dover
125	New Algebra for Schools Part I & II	Clement V. Durell	Bell
126	π - A Biography of the World's Most Mysterious Number	Alfred S. Posamentier & Ingmar Lehmann	Prometheus Books
127	Plane and Solid Geometry	Schultze, Sevenoak, Schuyler	Macmillan
128	Polynomials and Equations	K. T. Leung & I. A. C. Mok	Hong Kong University Press
129	Practical Conic Sections - The Geometric Properties of Ellipse, Parabola and Hyperbola	J. W. Downs	Dover
130	Problem Solving Strategies for Efficient and Elegant Solutions: Grades 6 - 12	Alfred S. Posamentier & Stephen Krulik	Corwin Press
131	Problem Solving through Recreational Mathematics	Bonnie Averbach, Orin Chein	Dover
132	Professor Stewart's Hoard of Mathematical Treasures	Ian Stewart	Basic Books
133	Proofs from the BOOK	Martin Aigner, Gunter M. Ziegler	Springer Verlag
134	Ramanujan	G. Hardy	AMS Chelsea
135	Reading, Writing and Proving - A closer look at Mathematics	Ulrich Daepf Pamela Gorkin	Springer - TsingHua
136	Real-life Math Investigations		Scholastic Professional Books
137	School Certificate Algebra	Clement V. Durell	Bell & Hyman

No.	Name	Author	Publisher
138	Teaching Secondary Mathematics	Douglas K. Brumbaugh & David Rock	LEA
139	Teaching Secondary Mathematics : Techniques and Enrichment Units	Alfred S. Posamentier & Jay Stepelman	Merrill Prentice Hall
140	Teaching Statistics - A Bag of Tricks	Andrew Gelman & Deborah Nolan	Oxford
141	Techniques of Mathematical Analysis	C. J. Tranter	Unibooks - Hodder and Stoughton
142	Technology-supported Mathematics Learning Environments	NCTM	National Council of Teachers of Mathematics
143	The Analytic Art	Francois Viete	Dover
144	The Archimedes Codex	Reviel Netz & William Noel	Da Capo
145	The Big Book of Mind-Bending Puzzles	Terry Stickels	Puzzle Wright Press
146	The Book of Squares	Leonardo Pisano Fibonacci	Academic Press, Inc.
147	The Doctrine of Chances	Abraham De Moivre	AMS Chelsea
148	The Early Mathematical Manuscripts of Leibniz	G. W. Leibniz	Dover
149	The Equation That Couldn't be Solved	Mario Livio	Simon and Schuster
150	The Essentials of School Geometry	A. B. Mayne	Macmillan
151	The Fundamental Theorem of Algebra	Benjamin Fine, Gerhard Rosenberger	Springer - TsingHua
152	The Mathematical Theory of the Top	Felix Klein	Dover
153	The Pythagorean Theorem - A 4,000-Year History	Eli Maor	Princeton
154	The Pythagorean Theorem - The Story of its Power and Beauty	Alfred S. Posamentier	Prometheus Books
155	The Rule of Algebra (Ars Magna)	Girolamo Cardano	Dover
156	The Sea Island Mathematical Manual: Surveying and Mathematics in Ancient China	Frank J. Swetz	The Pennsylvania State University Press
157	The Stanford Mathematics Problem Book	George Polya, Jeremy Kilpatrick	Dover
158	The Thirteen Books of the Elements Vol. 1	Euclid; translated by Sir Thomas L. Heath	Dover
159	The Thirteen Books of the Elements Vol. 2	Euclid; translated by Sir Thomas L. Heath	Dover
160	The Thirteen Books of the Elements Vol. 3	Euclid; translated by Sir Thomas L. Heath	Dover

No.	Name	Author	Publisher
161	The USSR Olympiad Problem Book - Selected Problems and Theorems of Elementary Mathematics	D. O. Shklarsky, N. N. Chentzov & I. M. Yaglom	Dover
162	The Works of Archimedes	T. L. Heath	Elibron Classics
163	Theory of Numbers Vol. 1	Leonard Eugene Dickson	AMS Chelsea
164	Theory of Numbers Vol. 2	Leonard Eugene Dickson	AMS Chelsea
165	Theory of Numbers Vol. 3	Leonard Eugene Dickson	AMS Chelsea
166	Thinking about Thinking: What Educators Need to Know	Jessie Ee, Agnes Chang, Oon-Seng Tan	McGraw Hill
167	Thinking and Reasoning with Data and Chance: Sixty-eighth Yearbook	Gail F. Burrill and Portia C. Elliott	National Council of Teachers of Mathematics
168	Understanding Children's Worlds : How Children Think and Learn	David Wood	Blackwell Publishing
169	Understanding Geometry for a Changing World: Seventy-first Yearbook	Tim Craine and Rheta Rubenstein	National Council of Teachers of Mathematics
170	Vectors, Matrices and Geometry	K. T. Leung & S. N. Suen	Hong Kong University Press
171	Vita Mathematica	Ronald Calinger	MAA
172	What is Mathematics? An Elementary Approach to Ideas and Methods	Richard Courant & Herbert Robbins	Oxford University Press