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Bui s Maths Book: v. 1: A Compendium of Mathematical Invention

By R.H.S. White

Trafford Publishing, Canada, 2009. Paperback. Book Condition: New. 254 x 178 mm. Language: English Brand New Book ***** Print on Demand *****.Bui s Maths Book is in two volumes. Volume 1 contains 15 chapters and volume 2 contains 13 chapters. Chapter 1 introduces the number systems invented by the Babylonians, the Egyptians, the Greeks, the Chinese, the Etruscans, the Maya and the Hindus and Chapter 2 shows how Euclid s axioms quickly build up into a theory of plane geometry. Chapters 3 and 4 concern Pythagoras s theorem and his ideas on the musical scale and a number of results based upon the Pythagoras diagram. Chapters 5 to 8 show how the binary and hexadecimal number systems with the algebra of George Boole can be applied the design of computer logic circuits. Chapter 9 illustrates a mathematical approach to problem solving by discussing how to find the length of a roll of paper, how to stop a table from wobbling, how to make a snooker ball return to its starting position and how to design a football. Chapter 10 concerns topology and Chapter 11 deals with Descartes coordinate geometry. Chapters 12 and 13 deal with matrices, transformations and the theory...



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