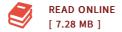# Fundamentals of High School Mathematics: A Textbook Designed to Follow Arithmetic (Classic Reprint)

By Harold O Rugg

Forgotten Books, United States, 2015. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****.Excerpt from Fundamentals of High School Mathematics: A Textbook Designed to Follow Arithmetic The traditional course of study in high school mathematics needs to be completely reconstructed. Five years of intensive investigation have established striking inadequacies in the first-year course: both what we teach and how we teach it. First: more than half of the conventional first-year course will never be used by the vast majority of our pupils. Second: the claims which we make that we are training pupirs to think intelligently will be difficult, if not impossible, to substantiate. The very content and organization of the course tends to inhibit this. Most of it provides little or no opportunity for training in problem-solving. Our courses of study emphasize habit-forination and rote memory, and these courses are almost exactly determined by the textbook. Finally: standardized tests given to more than 100 high schools show clearly that neither in securing formal skill nor in developing powers of analytical thinking is our instruction satisfactory. Striking needs: (1) courses of study based on a clear-cut program; (2) a real...

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