1. Record Nr. UNINA9910787105603321 Autore Karp Alexander Titolo Mathematics in middle and secondary school: a problem solving approach / / Alexander Karp, Nicholas Wasserman Charlotte, North Carolina: .: Information Age Publishing, Inc., . 2015 Pubbl/distr/stampa ©2015 1-62396-814-3 **ISBN** Descrizione fisica 1 online resource (456 p.) Disciplina 510.71/2 Soggetti Problem solving - Study and teaching (Middle school) Problem solving - Study and teaching (Secondary) Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Description based upon print version of record. Nota di bibliografia Includes bibliographical references. ""Cover"": ""Mathematics in Middle and Secondary School"": ""Library of Nota di contenuto Congress Cataloging-in-Publication Data""; ""Contents""; ""Foreword""; ""PART I"": ""CHAPTER 1: Challenges and Issues in Mathematics Education""; ""CHAPTER 2: Getting Ready to Teach""; ""PART II""; "CHAPTER 3: What is Problem Solving and How it is Conceptualized in Mathematics?""; ""CHAPTER 4: Integrating Problem Solving into the Curriculum""; ""CHAPTER 5: Mathematical Investigation and How to Engage Students in It"": ""CHAPTER 6: Posing Problems and Groups of Problems""; ""PART III"" ""CHAPTER 7: a€œThe Science of Transposition and Cancellationa€?"""" CHAPTER 8: Patterns, Functions and Graphs in Mathematics and in School""; ""CHAPTER 9: Patterns, Function, and Graphs""; ""CHAPTER 10: Solving Equations and Inequalities""; ""PART IV""; ""CHAPTER 11: Geometry as a Science and a School Subject""; ""CHAPTER 12: Geometry""; ""PART V""; ""CHAPTER 13: The Study of Discrete

Mathematics""; ""APPENDIX: Recommended Web Sites""; ""References""