Record Nr. UNINA9910958426803321 Mathematics in the classroom / / Committee on How People Learn, A **Titolo** Targeted Report for Teachers; M. Suzanne Donovan and John D. Bransford, editors Washington, D.C., : National Academies Press, c2005 Pubbl/distr/stampa **ISBN** 9780309548021 0309548020 Edizione [1st ed.] Descrizione fisica 1 online resource (272 p.) Collana How students learn Altri autori (Persone) BransfordJohn DonovanSuzanne Disciplina 370.1523 Soggetti Classroom management Curriculum planning Learning Mathematics - Study and teaching (Elementary) Mathematics - Study and teaching (Secondary) Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia "Division of Behavioral and Social Sciences and Education, National Note generali Research Council of the National Academies." Includes the introduction and concluding chapter and the subset of chapters focusing on mathematics from How students learn: history, mathematics, and science in the classroom. Nota di bibliografia Includes bibliographical references and index. Nota di contenuto ""Front Matter""; ""Preface""; ""Contents""; ""1 Introduction""; ""Part II MATHEMATICS""; ""5 Mathematical Understanding: An Introduction""; ""6 Fostering the Development of Whole-Number Sense: Teaching Mathematics in the Primary Grades""; ""7 Pipes, Tubes, and Beakers: New Approaches to Teaching the Rational-Number System""; ""8 Teaching and Learning Functions""; ""A FINAL SYNTHESIS: REVISITING THE THREE LEARNING PRINCIPLES""; ""13 Pulling Threads""; ""Biographical Sketches of Committee Members and Contributors""; ""Index""