Record Nr. UNINA9910953514903321 Autore Molina Concepcion <1952-> Titolo The problem with math is English: a language-focused approach to helping all students develop a deeper understanding of mathematics / / Concepcion Molina San Francisco, : Jossey-Bass, 2012 Pubbl/distr/stampa **ISBN** 9786613916365 9781118237021 1118237021 9781283603911 1283603918 9781118223628 1118223624 Edizione [1st ed.] Descrizione fisica 1 online resource (306 p.) Jossey-Bass teacher The problem with math is English Collana EDU029010 Classificazione Disciplina 372.7 Soggetti Mathematics - Study and teaching English language - Study and teaching Language arts - Correlation with content subjects 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 and index. Nota di contenuto Machine generated contents note: About the AuthorAbout This BookIntroductionJulian's StoryRationale and PurposeWho Benefits from This Book? Chapter 1: The Problem with Math Is English (And a FewOther Things)Why Language and Symbolism?What We Are TeachingTurning the Tide: A Sampling of ApproachesMathematics Is About Relationships Connecting the Pieces and Looking Ahead Chapter 2: Why a Language Focus in Mathematics? The Convergence of Mathematics and English: More Than Just VocabularyProblems Based on the English LanguageA Number of Problems with NumberChapter 3:

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Sommario/riassunto

"Teaching K-12 math becomes an easier task when everyone understands the language, symbolism, and representation of math conceptsPublished in partnership with SEDL, The Problem with Math Is English illustrates how students often understand fundamental mathematical concepts at a superficial level. Written to inspire ?aha? moments, this book enables teachers to help students identify and comprehend the nuances and true meaning of math concepts by exploring them through the lenses of language and symbolism, delving into such essential topics as multiplication, division, fractions, place value, proportional reasoning, graphs, slope, order of operations, and the distributive property. Offers a new way to approach teaching math content in a way that will improve how all students, and especially English language learners, understand math Emphasizes major attributes of conceptual understanding in mathematics, including simple yet deep definitions of key terms, connections among key topics, and insightful interpretation This important new book fills a gap in math education by illustrating how a deeper knowledge of math concepts can be developed in all students through a focus on language and symbolism"--