TIMSS 2011 International Results in Mathematics: Ena V. S. Mullis 2012-12-06 Spectrum Algebra provides children with skill-building practice based on the leading math program in the world. Singapore Math! Common Core Standards accelerate math expectations for all students, creating a need for Singapore Math: 70 Must Know Word Problems: 7th Grade is a comprehensive Singapore Math workbook that provides comprehensive and reliable information that will guide efforts to improve school mathematics from pre-kindergarten to grade 12. Each chapter starts with the major changes that need to be made in student instruction, instructional materials, assessments, teacher education, and professional development.
Building Thinking Classrooms in Mathematics, Grades K–12 helps teachers implement 14 optimal practices for thinking that create an ideal setting for deep mathematics learning to occur. This guide provides the what, why, and how of each practice and answers teachers’ most frequently asked questions. It includes firsthand accounts of how these practices foster thinking through teacher and student interviews and student work samples. It offers a plethora of macro moves, micro moves, and rich tasks. When combined, these unique research-based practices create the optimal conditions for learner-centered, student-owned deep mathematical thinking and learning, and have the power to transform mathematics classrooms like never before.

Eighth-Grade Math Minutes by Doug Stoffel provides 100 quick reproducible drill sheets to help students increase speed in math operations and strengthen problem-solving skills. The 10 problems on each sheet can be done in one or two minutes and are a great warm-up to the daily math lesson. The quick, one-minute format combined with instant feedback makes this a challenging and motivational assignment that students will look forward to each day. Students become active learners as they discover mathematical relationships and apply acquired understanding to complex situations and to the solution of realistic problems in each minute. An answer key is included. Note that this book is produced in the United States and may contain some US-based standards.

Saxon Math Course 3 by Stephen Hake is easy to plan and rewarding to teach. The focus on providing teachers with strategies for developing an understanding of how and why math works builds a solid foundation for higher-level mathematics. The series provides examples of how the math skills students learn in school apply to everyday life with challenging, multi-step word problems. It features practice with word problems that are an essential part of the Common Core State Standards. Word problem practice is provided for essential math skills, such as fractions, decimals, percents, metric and customary measurement, graphs and probability, and preparing for algebra and more.

Eighth Grade Math Review by LearningExpress (Organization) teaches integers, fractions, decimals, percentages, exponents, order of operations, and estimation, followed by a posttest to show progress.

Competition Math for Middle School by Jason Batterson offers thirty-two lessons on integers, fractions, decimals, percentages, exponents, order of operations, and estimation, followed by a posttest to show progress.