



HPS Math Expressions "Short Form" Pacing Guide Grade 4

Updated June 2022

Fourth Grade Math Expressions Pacing Guide (TE 118)

[Link to Check off document and details](#)

Marking period 1

- Introduce the math book, resources, online tools and resources
- [Review Delta Prerequisite Skills](#) Delta screener September, January and May (only if a student has not passed all skills in September or January)
- Review Mathematical Practices and D.E.A.L.

- Consider: Week of catch-up lessons from Math Exp (based on previous yr.)
Start: XtraMath, subtraction 6 seconds, then 6 second division, then 6 second multiplication and addition, then the 3 second, 2 second, etc.

- **It is important that the initial unit assessments take place within the unit window and are recorded by the given date.**
- Reteaching and reassessment will continue to occur, but the common times allow for data analysis and determination of next steps and needed resources.

Unit 1: Place Value and multi-digit Addition and Subtraction

Test prior to October

"Take note of the ["as you have time"](#) lessons
Unit 5: Measurement is your first priority for "as you have time" - don't worry about testing, but make sure you have exposure during the year

Unit 2: Multiplication with Whole Numbers

Test prior to end of Mk period

Marking period 2

Unit 3: Division with Whole Numbers

Test prior to Christmas break

Unit 6: Fraction Concepts and Operations

Test prior to end of January

Unit 4 Lessons 10 & 11, then Unit 7: Fractions

Test prior to end of February

Unit 5: Area and Perimeter

Test prior to mid March

"Take note of the ["as you have time"](#) lessons

Jan/Feb - see Delta requirements

Jan = 4th grade screener, Feb (all) = test-up (5th)

Marking period 3

M-STEP PREP/PRACTICE RESOURCES

After break, use part of your math time to use the M-Step resources.

Unit 8: Geometry

Start before M-step, but take part of math time to use M-Step resources. Test prior to mid May
Note: you may be able to cover some of this in science

Unit 4: Equations (L.1.3)

Test prior to April 22
Start before M-step, but take part of math time to use M-Step resources. Test prior to mid May

May, June:

- Wrap up any skills that haven't been finished from previous units (add: as you have time lessons)
- Reteach and Review based on Student Data
- Retest and update report card where needed

"Take note of the ["as you have time"](#) lessons

Complete Unit 4 if possible as time allows, it is more important to reteach/finish other units

Unit 4: Equations and word problems, L.4.3, 12

Delta for all students who have not benchmarked ALL skills on each screener

- Test-up: give the 5th grade Delta Screener which covers fourth grade skills
- "Regular" Delta screener (4th grade covering 3rd grade skills)

*Review and solidify in fourth grade: students should be fluent with the addition, subtraction, multiplication, and division facts - 6 second facts.

Singapore Math Pacing Guide Fourth Grade

**Houghton Mifflin Harcourt, 2nd
Semester**



Singapore Math Pacing Guide Fourth Grade:

Singapore Math Challenge, Grades 4 - 6 Frank Schaffer Publications, 2013-02-01 Get ready to take the Math Challenge Singapore Math Challenge will provide fourth grade students 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 challenging supplementary math practice Singapore Math Challenge is the ideal solution with problems puzzles and brainteasers that strengthen mathematical thinking Step by step strategies are clearly explained for solving problems at varied levels of difficulty A complete worked solution is also provided for each problem Singapore Math Challenge includes the tools and practice needed to provide a strong mathematical foundation and ongoing success for your students The Common Core State Standards cite Singapore math standards as worldwide benchmarks for excellence in mathematics

New York City's Best Public, Pre-K, and Elementary Schools Clara Hemphill, Lydie Raschka, Pamela Wheaton, Laura Zingmond, 2016-12-13 Completely revised with new profiles of more than 150 elementary schools and pre kindergarten programs For nearly 2 decades parents have looked to Clara Hemphill to help them find a good public school for their child This Fourth Edition features all new reviews of more than 150 of the city's best public elementary schools based on visits and in depth interviews by the InsideSchools staff This essential guide uncovers the inside scoop on schools the condition of the building special programs teacher quality and more includes a checklist of things to look for on a school tour and incorporates new listings of charter schools and stand alone pre kindergarten programs It also provides the hard facts on Total school enrollment Test scores for reading and math Ethnic makeup Who gets in Admissions requirements Teaching methods and styles Special education services How to apply

Shaping Scientific Literacy in Every Elementary Classroom Judith S. Lederman, Selina L. Bartels, Valarie Akerson, 2025-04-17 This textbook guides teachers in enacting science instruction that results in the cultivation of scientifically literate students in elementary school Prompting discussions in the pre service environment around what it means to be scientifically literate this book helps teachers introduce children to their world through science and its impact on their daily lives Chapters show teachers how to design implement and assess inquiry based science instruction through lessons that authentically model real science investigating questions with multiple solutions and discussing how these lessons build students scientific literacy Sample lessons are modeled on research and tested practice while also recognizing the need to accommodate a diverse range of students and classroom contexts Ideal for pre service science teachers as well as in service professional development this book can be used in any elementary science methods course or wherever state or national standards require developing scientific literacy In helping teachers produce scientifically literate students it is a resource that enables students to have the content knowledge attitudes and abilities to see the role science plays in issues from the personal to the global

Singapore Math Challenge Word Problems, Grades 4 - 6, 2019-04-04 GRADE 4 AGES 9 10 This book helps children find a variety of intriguing problems and problem

solving methods Using the tips offered solving these problems will help students develop skill as a mathematical thinker INCLUDES An introduction explaining the Singapore Math method common word problems found on assessments and an answer key with worked out solutions that help students see how to work the problems WHY SINGAPORE MATH Many students struggle with word problems The Singapore Math curriculum aims to help students develop necessary concepts and skills for everyday life COMPREHENSIVE Key concepts are introduced and built on to reinforce mathematical ideas and thinking Features one problem per page so as not to be overwhelming to young learners HOMESCHOOL FRIENDLY Perfect as a supplement to classroom work or as a homeschool resource this series is perfect for students who are ready to apply what they know to real world scenarios

Math Challenge the Singapore Way Grade 4 Marshall Cavendish,2012-04 A new workbook series based on the popular Singapore Math curriculum Will the Implementation of Singapore Math in My Fourth Grade Classroom Improve Math Scores? Janis Halloran,Revere Public Schools (Mass.),Salem State College Dept. of Education,2006 **Whitaker's Books in Print** ,1990 The Serials Directory ,1994 Singapore Math 70 Must-Know Word Problems, Level 3 Grade 4 Frank Schaffer Publications,2009-06-01 Welcome to Singapore Math the leading math program in the world This book is designed to help fourth grade students master word problems which are often tricky and frustrating the Singapore Math way The activities in this book teach students important math skills such as diagrams number bonds the counting on method and mental calculation that help in solving word problems The book features one problem per page so as not to overwhelm students and step by step worked out solutions in the answer key Perfect for students familiar with Singapore Math and for those who just need extra practice with word problems Included in this book an introduction explaining the Singapore Math method common word problems found on assessments step by step worked out solutions in the answer key *Singapore Math, Grade 4* Thinking Kids,2015-01-05 Singapore Math creates a deep understanding of each key math concept is a direct complement to the current textbooks used in Singapore includes an introduction explaining the Singapore Math method and includes step by step solutions in the answer key Singapore Math for students in grades 2 to 5 provides math practice while developing analytical and problem solving skills Learning objectives are provided to identify what students should know after completing each unit and assessments are included to ensure that learners obtain a thorough understanding of mathematical concepts Perfect as a supplement to classroom work these workbooks will boost confidence in problem solving and critical thinking skills

Math Practice the Singapore Way: Grade 4 ,2012-01-01 A new workbook series based on the popular Singapore Math curriculum **Current Index to Journals in Education** ,1983

Math in Focus Casey Kuska,2014 This study was completed to find if there was a significant difference in student achievement on the 4th grade MAP Mathematics test when Math in Focus Singapore Math is used to guide the curriculum Research shows that the world mathematic rankings placed Singapore in the top three for a series of years based on their Ministry of Education deciding to change the way mathematics is taught focusing on real world problem solving skills rather

than on memorization This lead to schools in the United States adopting this curriculum developed in Singapore with the idea of increasing student achievement in the United States Finding in this study show that Math in Focus Singapore Math does not increase student achievement on the 4th grade MAP Mathematics assessment The reasoning behind the decline in student achievement is not pinpointed but lack of exposure to the curriculum for an extended period of time is a potential reason After compiling and review of the findings of this study current research and literature and statistical data from the state it is found that there is a need to continue research on Math in Focus Singapore Math to determine the success of the math curriculum in large urban school districts *Singapore Math Challenge, Grades 5 - 8*, 2013-02-01 Get ready to take the Math Challenge Singapore Math Challenge will provide fifth grade students 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 challenging supplementary math practice Singapore Math Challenge is the ideal solution with problems puzzles and brainteasers that strengthen mathematical thinking Step by step strategies are clearly explained for solving problems at varied levels of difficulty A complete worked solution is also provided for each problem Singapore Math Challenge includes the tools and practice needed to provide a strong mathematical foundation and ongoing success for your students The Common Core State Standards cite Singapore math standards as worldwide benchmarks for excellence in mathematics **Intellectual Mathematics Textbook For Grade 4** Alan Tan, 2017-08-24 Intellectual Mathematics Textbooks International Edition is a series of books written in line with the latest mathematics syllabus as prescribed by the Ministry of Education It is written to help pupils to understand and strengthen their mathematical concept and problem solving skills Each chapter is illustrated with a clear and concise explanation and it include many worked examples with detailed step by step solution Pupils will find this textbook easy to use and understand It will guide the pupils at a manageable pace to develop their love for math and hence to inject the much needed confidence in them *Math in Focus Homeschool Package, 1st Semester Grade 4* Houghton Mifflin Harcourt, 1st Semester, 2009-11-25 Math in Focus presents the Singapore approach to math in a way that is easy to use and understand Available for Kindergarten through 5th grade Math in Focus The Singapore Approach is the United States edition of Singapore s most widely used program Carefully paced instruction that focuses on teaching fewer math topics per year to a level of mastery Consistent use of visual models and manipulatives that carefully bridge the concrete and the abstract encouraging algebraic thinking facilitating communication of math ideas and solidifying learning Instruction centered around problem solving using multiple models to help students visualize and understand the math concepts Ample practice for continuous ongoing assessment **Math in Focus Homeschool Package, 2nd Semester Grade 4** Houghton Mifflin Harcourt, 2nd Semester, 2009-11-25 Math in Focus presents the Singapore approach to math in a way that is easy to use and understand Available for Kindergarten through 5th grade Math in Focus The Singapore Approach is the United States edition of Singapore s most widely used program Carefully

paced instruction that focuses on teaching fewer math topics per year to a level of mastery Consistent use of visual models and manipulatives that carefully bridge the concrete and the abstract encouraging algebraic thinking facilitating communication of math ideas and solidifying learning Instruction centered around problem solving using multiple models to help students visualize and understand the math concepts Ample practice for continuous ongoing assessment Who's Who in the Midwest Marquis Who's Who, Marquis Who's Who Staff, 1998 Profiles the most influential men and women from America's heartland Contains over 16 000 biographies of people working in Illinois Indiana Iowa Kansas Michigan Minnesota Missouri Nebraska North Dakota Ohio South Dakota and Wisconsin in the United States and from Manitoba and western Ontario in Canada Math in Focus Sta ,2017-08-10 *Singapore Math Challenge Word Problems, Grades 2 - 5* ,2019-04-04 GRADE 2 3 AGES 7 8 This book helps children find a variety of intriguing problems and problem solving methods Using the tips offered solving these problems will help students develop skill as a mathematical thinker INCLUDES An introduction explaining the Singapore Math method common word problems found on assessments and an answer key with worked out solutions that help students see how to work the problems WHY SINGAPORE MATH Many students struggle with word problems The Singapore Math curriculum aims to help students develop necessary concepts and skills for everyday life COMPREHENSIVE Key concepts are introduced and built on to reinforce mathematical ideas and thinking Features one problem per page so as not to be overwhelming to young learners HOMESCHOOL FRIENDLY Perfect as a supplement to classroom work or as a homeschool resource this series is perfect for students who are ready to apply what they know to real world scenarios

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