1 2 3 who's cleaning the sea? : a counting picture book about protecting our planet
40045 BK
P 2019
Janina Rossiter.
"Inspired by...visuals of ocean pollution, this book will teach your child not only numbers and how to count but also the importance of taking care of our environment. Children will [learn] how little changes they make can protect our planet." -OCLC.
Environmental protection; Marine animals; Marine pollution; Counting; Ocean–Environmental aspects

3-in-1 Board (flannel, magnetic and dry-erase)
38075 KT
PIJS Educational Insights
Perfect for classroom use this board combines a 60 x 92 cm. (24" x 36") flannel board on one side with the convenience of a magnetic/dry-erase board on the other. Use with felt cutouts, dry-erase markers, or magnetic letters and numbers. Supports literacy and math center activities and whole-class storytelling.
Flannel board; Instructional materials centers; Math; Numeracy; Storytelling

3 in a row
38628 KT
IJ
Mathematics puzzles at three different levels, challenge students to apply problem solving skills.
Math; Mathematics; Numeracy; Problem solving; Puzzles

365 penguins
39820 BK
P 48 p. 2006 Abrams Books for Young Readers
Jean-Luc Fromental ; illustrated by Joëlle Jolivet.
When a box containing a penguin arrives anonymously on New Year's Day, a family of four is puzzled, and as they continue to receive one penguin a day throughout the year, their problems–and food budget, and storage issues–multiply.
Arithmetic–Fiction; Counting–Fiction; Gifts–Fiction; Penguins–Fiction; Jolivet, Joëlle,–illustrator

Aboriginal Addition and Subtraction : Grade 1
41589 KT
P 2023 Pearson Canada
Big Idea: Quantities and numbers can be added and subtracted to determine how many or how much.
Subtraction; Mathematics–Study and teaching (Primary); Aboriginal; Addition; First Nations

Aboriginal Addition and Subtraction : Grade 2
41595 KT
P 2023 Pearson Canada
Big Idea: Quantities and numbers can be added and subtracted to determine how many or how much.
Subtraction; Mathematics–Study and teaching (Primary); Aboriginal; Addition; First Nations

Aboriginal Addition and Subtraction : Grade 3
41590 KT
P 2023 Pearson Canada
Big Ideas: Quantities and Numbers can be added and subtracted to determine how many or how much. * add/subtract to 1000 * develop concept of multiplication
Subtraction; Mathematics–Study and teaching (Primary); Aboriginal; Seeds–Study and teaching; Addition; First Nations

Aboriginal Addition and Subtraction to Ten : Grade 2
41591 KT
P 2023 Pearson Canada
Symbols and expressions can be used to represent mathematical relations. * model and describe equality and inequality * explore properties of addition and subtraction
Subtraction; Aboriginal; Addition; Mathematics–Study and teaching (Primary); First Nations

Aboriginal Graphing : Grade 2/3
41598 KT
P 2023 Pearson Canada
Big Idea: "Collecting & Displaying data can help us predict and interpret situations"
Mathematics–Graphing; Mathematics–Study and teaching (Primary); Aboriginal

Aboriginal Measurement : Grade 3
41594 KT
P 2023 Pearson Canada
Units can be used to measure and compare attributes * measure time, temperature, and length * explore units of measure and their relationships
Measurement; Mathematics–Study and teaching (Primary); Aboriginal; First Nations

Aboriginal Multiplication and Division : Grade 3
41588 KT
P 2023 Pearson Canada
Quantities and numbers can be multiplied by grouping units and divided by splitting into units to determine how many or how much. * multiply and divide to 50 * add and subtract to 100
Division; Multiplication; Mathematics–Study and teaching (Primary); Aboriginal; First Nations

Aboriginal Number Concepts : Grade 1
41586 KT
P 2023 Pearson Canada
Big Idea: Quantities and numbers can be grouped by units or split into units.
Number concepts; Mathematics–Study and teaching (Primary); Aboriginal; First Nations

Aboriginal Number Concepts : Grade 2
41593 KT
P 2023 Pearson Canada
Quantities and numbers can be grouped by units or split into units. * group quantities based on units of 10 * compare/order numbers to 100
Number concepts; Mathematics–Study and teaching (Primary); Aboriginal; First Nations

Aboriginal Number Sense : Grade 1
41581 KT
P 2023 Pearson Canada
Big Idea: Numbers are related in many ways. * compare & order quantities to 25 * estimate & count to 50
Aboriginal; First Nations; Mathematics–Study and teaching (Primary)

Aboriginal Number Sense : Kindergarten
41583 KT
P 2023 Pearson Canada
Big Idea: Numbers tell us how many and how much * count sets to ten * compare sets to ten
Mathematics–Study and teaching (Primary); Aboriginal; First Nations

Aboriginal Objects and Shapes : Grade 1
41587 KT
P 2023 Pearson Canada
Big Idea: Objects can be located in space, and looked at from different perspectives.
Mathematics–Study and teaching (Primary); Aboriginal; Shapes–Study and teaching (Primary); First Nations

Aboriginal Objects and Shapes : Grade 2
41596 KT
P 2023 Pearson Canada
Shapes and Solids can be transformed in many ways. - explore lines of symmetry in 2-D shapes - explore 2-D shapes
Mathematics–Study and teaching (Primary); Aboriginal; Shapes–Study and teaching (Primary); First Nations

✣Aboriginal Patterning : Grade 2
41592 KT
P 2023 Pearson Canada
Big Idea: Patterns can be described Mathematically.

Patterns (Mathematics); Mathematics–Study and teaching (Primary); Aboriginal; First Nations

✣Aboriginal Patterning : Kindergarten
41582 KT
P 2023 Pearson Canada
Big Idea: Patterns can be described mathematically * describe, extend and create repeating patterns

Beadwork–Patterns; Patterns (Mathematics); Mathematics; Aboriginal; First Nations; Mathematics–Study and teaching (Primary)

Add - sub combo tiles
37660 KT
PI 1984
Marcy Cook
Addition and subtraction tasks.

Addition; Math; Math–Study and teaching (Elementary); Mathematics K-7; Mathematics–Problems, exercises, etc; Mathematics–Manipulatives; Numeracy; Subtraction

Addison-Wesley mathematics
For descriptions see individual titles:
Mathematics 10 [42362]

Algebra Tiles set
28615 KT
IJ

✳Algebraic thinking : grades 5 to 9
41790 BK
T 248 p. 2020 Carole Fullerton
by Carole Fullerton.
"The resource focuses on the two important strands of algebraic thinking: patterns and relations and solving equations. Lessons include open-ended prompts, direct instruction and age-appropriate manipulatives use to promote the big ideas in algebraic thinking. Content includes: increasing and decreasing patterns, generalizing from a T-table, describing and graphing linear relations in all 4 quadrants, explorations of slope (positive, negative, whole number and fractional) as well as y-intercept and the general form of a line, interpolation and extrapolation, operations on integers, solving equations, monomial and binomial multiplication using the distributive property, converting word problems to algebraic equations and more!" -publisher's website.

Mathematics–Study and teaching; Algebra–Study and teaching; Arithmetic–Study and teaching; Algebra–Problems, exercises, etc

All 4 operation tiles
37512 KT
I 2001
Marcy Cook
Form arithmetic problems/solutions with each of the 4 basic operations: addition, subtraction, multiplication, and division.

Addition; Division; Math; Math–Study and teaching (Elementary); Mathematics K-7; Mathematics–Problems, exercises, etc; Mathematics–Manipulatives; Multiplication; Numeracy; Subtraction

Architectural blocks [44 blocks]
38652 KT
P Melissa & Doug
Design an architectural masterpiece with this set of forty-four hand-scrolled and turned wooden blocks in eleven different shapes. Natural, smooth-sanded finish.

Applied design, skills and technologies; Architecture; Building; Geometry; Maker spaces; Mathematics; Shapes–Study and teaching (Primary); Structures

Balance the birds
38226 BK
PJ 2018
Susie Ghahremani.
"When birds spot a tree and decide to land to give their tired wings a break, it is up to the reader to help them find the perfect balance on the tree"–OCLC.

Birds–Fiction; Logic–Fiction; Size–Fiction; Weight–Fiction

Base ten blocks
28909 KT
I 1997 Exclusive Educational Products

✳Base Ten Classroom Set
42350 KT
PI 2024
Base Ten blocks support the development of place value understanding and number sense.

Math–Study and teaching (Elementary); Decimal system; Math; Counting; Math games; Numeracy; Mathematics–Study and teaching; Mathematics

Bean thirteen
38231 BK
PI 2007
Matthew McElligott.
Two bugs, Ralph and Flora, try to divide thirteen beans so that the unlucky thirteenth bean disappears, but they soon discover that the math is not so easy.

Division–Fiction; Insects–Fiction; Mathematics

Beep beep, vroom vroom!
38207 BK
P 33 p. 2000 Harper Collins
by Stuart J. Murphy ; illustrated by Chris Demarest.
MathStart. Level 1 Series - Teaches readers how to recognize patterns through a story about Molly, who loves to play with her big brother's toy cars.

Automobiles; Sequences (Mathematics); Demarest, Chris L.,–ill

Beginning addition and subtraction kit
38137 KT
P
Use stories to help students understand addition and subtraction.

Addition; Arithmetic; Arithmetic–Study and teaching; Counting; Math; Math–Study and teaching (Elementary); Mathematics; Mathematics–Study and Teaching (Elementary); Numeracy; Subtraction

Betcha!
38225 BK
P 32 p. 1997 HarperCollins Publishers
by Stuart J. Murphy ; illustrated by S.D. Schindler.
MathStart. Level 3 Series - Uses a dialog between two friends, one who estimates, one who counts precisely, to show estimation at work in everyday life.

Approximate computation; Mathematics; Schindler, S. D.,–ill

Box cars and one-eyed jacks deluxe (intermediate)
36248 KT
PI Box Cars & One-Eyed Jacks
Joanne Currah, Jane Felling
Students will have so much fun playing the math concepts games included in this kit. Concepts from numerals, place value, fractions, addition, subtraction, multiplication and division! As a whole class or in small groups this is a kit you will want to use in your classroom every day! The authors have created games that focus on thinking, reasoning, and problem solving. The games incorporate the use of motivating manipulatives such as regular cards, dice and special multi-sided dice and provide opportunities for students to write and talk about their learning.

Math; Math games; Mathematical recreations; Mathematics; Mathematics–Study and teaching; Numeracy

Box cars and one-eyed jacks deluxe (primary)
36243 KT
P Box Cars & One-Eyed Jacks
Joanne Currah, Jane Felling
The authors have created games that focus on thinking, reasoning, and problem solving. The games incorporate the use of motivating manipulatives such as regular cards, dice and special multi-sided dice and provide opportunities for students to write and talk about their learning. (513.07)

Math; Math games; Mathematical recreations; Mathematics; Mathematics–Study and teaching; Numeracy

Box cars and one-eyed jacks (intermediate)
27813 KT
I 2001 Box Cars & One-Eyed Jacks
Joanne Currah, Jane Fielding
The authors have created games that focus on thinking, reasoning, and problem solving. The games incorporate the use of motivating manipulatives such as regular cards, dice and special multi-sided dice and provide opportunities for students to write and talk about their learning. (513.07)

Math; Math games; Mathematical recreations; Mathematics; Mathematics–Study and teaching; Numeracy

Branch blocks [36 blocks]
38653 KT
P Guidecraft
Natural and unscripted play patterns emerge when Branch Blocks are provided for building and dramatic play inspiration. The intact textured bark on each building piece adds sensory exploration mirroring the organic benefits of outdoor play. Use Branch Blocks to practice stacking, sorting and STEM activities. 38 wood pieces plus inspirational cards.

Applied design, skills and technologies; Building; Early childhood education; Math; Mathematics; Numeracy; Shapes–Study and teaching (Primary); Structures

Building thinking classrooms in mathematics, grades K-12 : 14 teaching practices for enhancing learning
39998 BK
Peter Liljedahl.
"Building Thinking Classrooms offers invaluable guidance for educators to effectively implement in their classrooms. Dr. Peter Liljedahl has provided comprehensive and meaningful tasks, accompanying detailed research and explanations, for creating the optimal classroom environment - a thinking classroom"–Provided by publisher.

Classroom management; Mathematics–Study and teaching; Teaching

Calendar math activity program
31330 KT
PI 2006 Lakeshore Learning Materials
This activity program reinforces essential early math skills during daily calen dar time. Can be used with whole class or small groups to practice essential sk ills such as counting, estimation, number sense, place value, and problem solvi ng.

Calendars; Math; Mathematics; Numeracy

Canadian money activity and game set
29037 KT
PI 1995 Learning Resources
Canadian money activity book written by Sherry Wolf.
The activity book and overheads help the teacher develop common knowledge and skills in manipulating and using Canadian coins and bills. The games reinforce money concepts. (332.4)

Counting; Math; Math games; Mathematical recreations; Mathematics–Manipulatives; Money–Study and teaching; Numeracy

Canadian Symbols

Canadian coins [5 books]
36831 KT
P 24 pce 2015 Pebble Plus
Sabrina Crewe
This book takes a simple look at Canadian coins, examining the symbols used on each denomination, as well as their nicknames, history, and significance as symbols of Canada.

Culture–Canada; Inquiry-based learning; Math; Mathematics; Money; Numeracy; Social Studies

Carpentry kit
36346 KT
PI
Carpentry kit includes tool belt with supplies to construct various wood structures and projects.

Applied design, skills and technologies; Math; Mathematics; Numeracy

A chair for my mother
38689 BK
PJ 1982 Scholastic Inc.
by Vera B. Williams.
A child, her waitress mother, and her grandmother save dimes to buy a comfortable armchair after all their furniture is lost in a fire. ([E])

Chairs–Fiction; Family life–Fiction; Saving and investment–Fiction

Chicka chicka 1, 2, 3 [kit]
38687 KT
P 2014
Bill Martin Jr. ; Michael Sampson
Velcro storybook kit. Children will enjoy re-enacting this lively number rhyme as they count from one to one hundred and climb to the top of the apple tree.

Counting; Stories in rhyme; Storytelling; Trees–Fiction

Children's mathematics : cognitively guided instruction
38939 BK
T
Thomas P. Carpenter, Elizabeth Fennema, Megan Loef Franke, Linda Levi, Susan B. Empson.
" ... provides ... insights about cognitively guided instruction based on the author's research and experience in CGI classrooms .. "–Back cover.

Mathematics–Study and teaching; Fennema, Elizabeth,–author; Franke, Megan Loef,–author

*** Choral counting & counting collections : transforming the preK-5 math classroom**
42357 BK
T 210 p. 2018 Stenhouse Publishers
Meghan L. Franke, Elham Kazemi, and Angela Chan Turrou.
"A professional development book aimed at PreK-5 teachers, math supervisors, and administrators to help them understand and implement two classroom counting activities; the activities' goals are to deepen students' number sense, increase their flexibility with number, and bring joy into the doing of mathematics"–Provided by publisher.

Mathematics–Study and teaching; Communication–Study and teaching; Mathematical recreations; Counting; Turrou, Angela Chan,–author; Kazemi, Elham,–1970—author; Math; Mathematics; Numeracy

Circles
38228 BK
PI 2016
by David A. Adler ; illustrated by Edward Miller.
"The characteristics of circles as well as how to find the radius, diameter, circumference, and area of a circle are explained and illustrated in this geometry picture book"–Provided by publisher.

Circle; Geometry; Solid geometry; Miller, Edward,–1964—illustrator

⁕Color it on the hundred chart
42499 BK
T 87 p. 1993 Marcy Cook Math
Marcy Cook.
"Designed to be used by primary students in a mathematics program. Contains 80 activities."–OCLC.
Mathematics–Study and teaching; Mathematical recreations; Mathematics–Problems, exercises, etc; Mathematical recreations–Problems, exercises, etc

Corwin mathematics
For descriptions see individual titles:
Mathematics tasks for the thinking classroom. Grades K-5 [42440]
Modifying your thinking classroom for different settings : a supplement to Building thinking classrooms in mathematics [42399]

Count to 100
38209 BK
P 2016
illustrated by Sophia Touliatou ; written by Felicity Brooks ; designed by Claire Ever.
Counting to 100 becomes effortless with breath-taking pictures to illustrate the number on each page.
Board books for children; Counting; Counting–Pictorial works; Touliatou, Sophia,–illustrator

Counting on Frank
39939 BK
PI 1991
written and illustrated by Rod Clement.
A boy and his dog present amusing counting, size comparison, and mathematical facts.
Counting–Fiction; Mathematics–Fiction; Size–Fiction

Counting on zero
33753 BK
2007 Scholastic Book Fairs
written and illustrated by students from Highfield Junior School, Toronto, Ontario.

Counting one to five [6 copies]
29577 KT
P 16 pce 1999 Benchmark Education
written by Margie Burton, Cathy French, and Tammy Jones.
Early connections Series

Counting seeds [6 copies]
29758 KT
P 16 pce 1999 Benchmark Education
written by Margie Burton, Cathy French, and Tammy Jones.
Early connections Series

Crash! Boom! : a math tale
38237 BK
PI 2018
Robie H. Harris ; illustrated by Chris Chatterton.
"Build, balance, count - question, estimate, measure - predict, crash, and build again with Elephant and a bucket full of blocks. Follow along as Elephant goes through the ups and downs of creating something new and finally celebrates the job of pride and success"–Dust jacket.
Blocks (Toys)–Fiction; Counting–Fiction; Elephants–Fiction; Mathematics–Fiction; Chatterton, Chris,–illustrator

Crossing the river [6 books]
35340 KT
P 16 pce 2012 STRONG NATIONS
Written by Brenda Boreham ; Illustrated by Bill Helin
Strong readers Series - This story is about counting bears who want to cross the river. You will be counting by two's. Can you count by two's from 0 to 12?
Counting; Easy reading materials; First Nations; Guided reading; Mathematics; Numeracy; Reading materials; Mathematics–Study and Teaching (Elementary)

Crystal bead rainbow blocks [8 pieces]
38130 KT
P Guidecraft
An adventure in colour, light and sound! Indulge your student's appetite for exploration by combining blocks to form new colors and sounds, or stack the blocks in a different order each time to form new and exciting shapes. Smooth hardwood frames and translucent windows with colorful beads. Sized to standard unit block measurements. Good for hand-eye coordination, visual perception, color exploration or light table activities
Applied design, skills and technologies; Building; Color; Geometry; Maker spaces; Math; Mathematics–Manipulatives; Numeracy; Shapes–Study and teaching (Primary); Structures

Crystal connectors + light box
37412 KT
P
A rainbow of translucent plastic discs, each with 8 slots for constructing 3-dimensional structures that capture the light. Colours include red, yellow, blue and green. Includes 50 cm. light table.
Art; Colour; Light; Math; Mathematics; Numeracy

⁕Cuisenaire Rods rock! : exploring multiplication and proportionality in grades 4-7
42348 BK
IT 74 p. 2015 Carole Fullerton
Carole Fullerton.
Provides lessons and exercises for using Cuisenaire Rods to explore measurement, numbers and operations, multiplicative thinking, fractional thinking, as well as connecting fractions and division.
Mathematics–Study and teaching; Mathematics–Problems, exercises, etc; Manipulatives–Problems, exercises, etc

Cuisenaire rods with trays class set
28622 KT
P 2006
Carole Fullerton
In middle grades, Cuisenaire Rods are an excellent tool for modeling ratios and proportional relationships. Students can also use the rods to create patterns and then describe those patterns using a variety of mathematical representations, including charts, graphs, and equations.
Math; Mathematics–Study and teaching (Primary); Mathematics–Manipulatives; Numeracy; Addition; Fractions; Subtraction; Fullerton, Carole

✵Daily routines to jump-start math class : engage students, improve number sense, and practice reasoning. High school
42067 BK
T 98 p. 2019 Corwin Mathematics
Eric Milou, John J. SanGiovanni.
"Daily math routines for [high] school teachers to engage students, improve number sense, and practice reasoning within the first 5-10 minutes of class"–Provided by publisher.
Mathematics–Study and teaching; Mathematics–Problems, exercises, etc; SanGiovanni, John,–author

✵Daily routines to jump-start math class : engage students, improve number sense, and practice reasoning. Middle school
42066 BK
T 145 p. 2019 Corwin Mathematics
John J. SanGiovanni and Eric Milou.
"Daily math routines for middle school teachers to engage students, improve number sense, and practice reasoning within the first 5-10 minutes of class"–Provided by publisher.
Mathematics–Study and teaching; Mathematics–Problems, exercises, etc; Milou, Eric,–author

Days of the week [6 books]
30764 KT
P 16 pce 2002 Thomson Nelson
PM Maths: Numeracy and Literacy Series

⁕Do they really understand : how we can make sure students understand the math we teach : K-8
42400 BK
PJ 171 p. 2022 Rubicon, a Savvas Company
Marian Small.
"Do they really understand? How can we make sure students understand the math we teach is a...resource for elementary math educators from...mathematics educator, author, and professional learning consultant Marian Small. This resource presents strategies that allow teachers to frame question to asses whether students truly understand the concepts they are learning."-Back cover.

Mathematics–Study and teaching; Numeracy; Math; Mathematics

Domino math games: connecting the dots for kids
36317 KT
PI 2010 Box Cars & One-Eyed Jacks
Joanne Currah and Jane Felling
Dominoes are a versatile and motivating resource to use in any elementary classroom. Their intriguing appeal and flexibility as a math manipulative provide a wide range of learning opportunities for students. Students will reinforce skills they need with domino games they'll love.

Counting; Math; Mathematics; Numeracy; Patterns (Mathematics)

Dynamic dice
29035 KT
IJ 2004 Creative Mathematics
by Kim Sutton.
This kit contains the materials to support a full class working with the Dynamic Dice book. The book is filled with games and activities that use 3 unique kind of dice (double dice, 10-sided dice, place-value dice.) Students use the activities/games to practice addition, subtraction, multiplication, division, fractions, decimals and other algebraic concepts. (372.7)

Math; Math games; Mathematical recreations; Mathematics–Study and teaching; Mathematics–Manipulatives; Numeracy

Early connections
For descriptions see individual titles:
Counting one to five [6 copies] [29577]
Counting seeds [6 copies] [29758]

Edison robotics kit
37695 TE
IJS
Edison is a mini orange robot with LEGO compatible attachment points. Edison utilizes the already common and wide ranging LEGO platform to provide a small, user friendly bundle specially designed for introducing beginners to the wide and amazing world of robotics. Edison provides a pathway, stepping the beginner through multiple stages from simple controlling, to programming and then to building. Users can interact with Edison either as a Controller, using provided barcodes to load prepared programs, or as a Programmer, using a variety of software to create custom Edison programs.

Applied design, skills and technologies; Coding; Math; Mathematics; Numeracy; Robots; Science; Technology

Educational light cube
36078 KT
PI 2014 Roylco
The Educational Light Cube and accessory kit is the perfect light table starter kit for younger students! The kit features lots of safe and colorful materials to play with on the Educational Light Cube. Count and sort beautiful bead shapes. Examine details in x-rays and layer Optical Illusion sheets to discover interesting patterns! Drop paint onto the washable Educational Light Cube and drag paint scrapers on top to make swirls and lines. Use our new Squiggle Pipettes to develop fine motor skills. With the remote control, you can change cube colors or make it strobe through the colors. When on the blue color, it acts as a black light with neon colored items. Discover amazing possibilities with these sensory play resources! The teacher guides includes detailed descriptions of fun projects to direct your classroom light table activities.

Animals; Applied design, skills and technologies; Art; Colour; Counting; Light; Math; Mathematics; Numeracy; Science; Skeleton

Equal shmequal
38202 BK
P 32 p. 2005 Charlesbridge
by Virginia Kroll ; illustrated by Philomena O'Neill.
In order to have fun at a game of tug-of-war, forest animals balance the teams by using a see-saw.

Equations–Fiction; Forest animals–Fiction; Mathematics–Fiction; O'Neill, Philomena,–ill

Equivalence range
31728 KT
PI 2009
This kit contains the Equivalence range of resources which are color-coded with each other. The Equivalence Flips include 4 sections: common fractions, percents, decimal factions, and pictorial fractions. The Equivalence Fans include the same 4 sections as the flips and allows the teacher to re-inforce the students understanding of equivalent forms and their notation. The Equivalence Dice are 10 sided and allow for games which explore the relationship between the three equivalent forms. The Equivalence Display Lines are double-punctured cards which can be hung vertically for instruction. (513.2)

Fractions–Study and teaching; Math; Mathematics; Numeracy

Exploring math through puzzles
29041 KT
I 1996 Key Curriculum
Wei Zhang.
This kit includes instructions and materials for making over 50 puzzles with links to geometry and algebra. The book contains teacher's notes on the background of each puzzle, tips for construction, and material lists. The construction materials in the kit are suitable for 2-3 stations or small group problem-solving. (510)

Math; Math games; Mathematical recreations; Mathematics–Manipulatives; Numeracy; Puzzles

⁕Fair shares : teaching division in grades 4-7
42394 BK
PIT 90 p. 2013 Wordpress?
by Carole Fullerton.
Through stories, models, pictures and words, students are introduced to the idea of division as sharing and division as grouping. Lessons include opportunities for talk, for exploration and for practice in the form of games and engaging tasks across the grades. The lesson sequences are designed to address division of whole numbers and decimal numbers, to make meaningful connections to fractions and decimals in context and to support students in seeing patterns in quotients. Lessons map out how to use manipulatives to model division situations, and literature connections to introduce great division contexts.

Mathematics–Study and teaching; Arithmetic–Study and teaching; Division–Study and teaching; Division–Problems, exercises, etc; Math; Numeracy; Mathematics

Fibonacci Zoo
38239 BK
PI 2015
by Tom Robinson ; illustrated by Christina Wald.
When Eli and his father visit an unusual zoo, Eli keeps track of the numbers of animals and soon sees there is a pattern that will predict how many creatures are in the next exhibit. Includes an activity and facts about number sequences.

Fibonacci numbers; Number theory; Sequences (Mathematics); Zoos–Fiction; Wald, Christina,–illustrator

✵ **Figuring out fluency : addition & subtraction with fractions and decimals, grades 4-8 : a classroom companion**
41701 BK
T 210 p. 2022 Corwin, a Sage Company
Jennifer M. Bay-Williams, John J. SanGiovianni, Sherri Martinie, Jennifer Suh.
"A classroom companion to the anchor book Fluency Figured Out, this book offers a menu of instruction-ready fluency support tools, instructional routines, activities, and games on the topic of addition and subtraction of fractions and decimals. It walks teachers through numeracy and thinking strategies they can explicitly teach students to help students reason and operate on fractions and decimals with real fluency"–

Mathematics–Study and teaching; Teaching–Aids and devices; Mathematics–Problems, exercises, etc; Arithmetic–Study and teaching; Teachers' guides; SanGiovanni, John,–author; Martinie, Sherri L.,–author; Suh, Jennifer M.,–1971—author

✵ **Figuring out fluency : addition & subtraction with whole numbers, grades K-8 : a classroom companion**
41703 BK
T 166 p. 2022 Corwin
John J. SanGiovanni, Jennifer M. Bay-Williams, Rosalba Serrano.
". . . takes the significant strategies for fluency and offers a menu of instruction-ready fluency support tools, instructional routines, worked examples, activities, games, and centers for each strategy to help students build fluency in whole number addition and subtraction. The final chapters focus on assessing for fluency in whole number addition and subtraction. Throughout, the book provides ideas for communication with families to help their child with adding and subtracting whole numbers"–Provided by publisher.

Mathematics–Study and teaching; Teaching–Aids and devices; Mathematics–Problems, exercises, etc; Arithmetic–Study and teaching; Teachers' guides; Bay-Williams, Jennifer M,–author; Serrano, Rosalba,–author

✵ **Figuring out fluency in mathematics teaching and learning, grades K-8 : moving beyond basic facts and memorization**
41700 BK
T 227 p. 2021 Corwin
Jennifer M. Bay-Williams and John J. SanGiovanni.
"This book lays out the what, why, and how of fluency so that we can get to a point in our classrooms where there is no more fake fluency, but rather real authentic fluency. It argues that fluency is a matter of equity, identity, agency, and access for all learners. It offers concrete fluency actions that encourage efficiency, flexibility, and accuracy, and offers the "Seven Significant Strategies" to teach students explicitly as they work toward procedural fluency"–

Mathematics–Study and teaching; Mathematics–Problems, exercises, etc; Teachers' guides; SanGiovanni, John,–author

✵ **Figuring out fluency : multiplication & division with fractions and decimals, grades 4-8 : a classroom companion**
41704 BK
T 194 p. 2022 Corwin, a Sage Company
Jennifer M. Bay-Williams, John J. SanGiovianni, Sherri Martinie, Jennifer Suh.
"Fluency in mathematics is more than adeptly using basic facts or implementing algorithms. It is not about speed or recall. Real fluency is about choosing strategies that are efficient, flexible, lead to accurate solutions, and are appropriate for the given situation. Developing fluency is also a matter of equity and access for all learners. The landmark book Figuring Out Fluency in Mathematics Teaching and Learning offered educators the inspiration to develop a deeper understanding of procedural fluency, along with a plethora of pragmatic tools for shifting classrooms toward a fluency approach. Now, teachers have the chance to apply that inspiration through explicit instruction and practice every day with the classroom companion Figuring Out Fluency: Multiplication and Division with Fractions and Decimals. With this book, teachers can:-Dive deeper into the Significant Strategies for fluency explained in the anchor bookLearn how these strategies grow from and relate to the basic fact strategies children learn -Access over 100 strategy-aligned and classroom-ready activities for fluency instruction and practice in multiplying and dividing fractions and decimals, including worked examples, routines, games, and centers -Find activities for assessing all components of multiplication and division fluency for fractions and decimals, plus support for engaging families -Download all of the needed support tools, game boards, and other resources from the companion website for immediate implementation." -back cover.1

Arithmetic–Study and teaching; Teaching–Aids and devices; Teachers' guides; Suh, Jennifer M.,–1971—author; Mathematics–Problems, exercises, etc; SanGiovanni, John,–author; Mathematics–Study and teaching; Martinie, Sherri L.,–author

✵ **Figuring out fluency : multiplication & division with whole numbers, grades K-8 : a classroom companion**
41702 BK
T 194 p. 2022 Corwin
John J. SanGiovanni, Jennifer M. Bay-Williams, Rosalba Serrano.
"A classroom companion to the anchor book Fluency Figured Out, this book offers a menu of instruction-ready fluency support tools, instructional routines, activities, and games on the topic of whole number multiplication and division. It walks teachers through numeracy and thinking strategies they can explicitly teach students to help them reason and operate on whole numbers with real fluency. The final chapters focus on assessing for fluency in whole number multiplication and division, and engaging families through letters, talking points, and ideas for families to help their child with multiplying and dividing whole numbers"–Provided by publisher.

Mathematics–Study and teaching; Teaching–Aids and devices; Mathematics–Problems, exercises, etc; Arithmetic–Study and teaching; Teachers' guides; Bay-Williams, Jennifer M,–author; Serrano, Rosalba,–author

✵ **Financial literacy. 9, Student worktext**
42098 BK
J 104 p. 2018 Pearson Canada
Jason Elder, Amanda Trenholm, Patrick Erickson.
"Financial Literacy 9 introduces you to some basic financial concepts that you will face in the future, through a series of real-life projects. You will complete Tasks, such as budgeting, choosing a job, and determining savings goals. As you complete the Tasks, you will be directed to digital simulations to generate your finances for given months and to reflect on the financial decisions you made." -OCLC.

Personal finance–Study and teaching; Saving and investment–Study and teaching; Trenholm, Amanda,–author; Erickson, Patrick,–author

✳ Financial literacy. 9, Teacher resource
42099 BK
T 83 p. 2018 Pearson Canada
Jason Elder, Amanda Trenholm, Patrick Erickson.
"This Financial Literacy Unit introduces students to some of the basic financial concepts and oblications that they will face in the near future, and the distant future. You can choose from a variety of options and adjust the depth to which the material is covered. This unit can be tailored to individual classroom needs and teaching styles by adding or removing components at your discretion. There are two scenarios to choose from, both of which cover the Financial Literacy curriculum for Grade 9. -OCLC.

Personal finance–Study and teaching; Saving and investment–Study and teaching; Trenholm, Amanda,–author; Erickson, Patrick,–author

Five creatures
38200 BK
P 2005 Farrar, Straus and Giroux
Emily Jenkins ; pictures by Tomek Bogacki.
In words and pictures, a girl describes the three humans and two cats that live in her house, and details some of the traits that they share.

Cats–Fiction; Family life–Fiction; Bogacki, Tomasz,–ill

Fraction action
38224 BK
P 31 p. 1994 Holiday House
written and illustrated by Loreen Leedy.
Miss Prime and her animal students explore fractions by finding many examples in the world around them.

Fractions

Fraction factory
37944 KT
PI 1986 Creative Publications
Holden, Linda
The Fraction Factory consists of three books: Basic Concepts, Mixed Fractions and Inequalities and Operations. The books use a manipulative approach to develop most of the fraction concepts taught in the intermediate grades and will support and extend textbook fraction activities.

Fractions; Fractions–Study and teaching; Manipulatives–Problems, exercises, etc; Math; Mathematics; Mathematics–Study and teaching; Mathematics–Equipment and supplies; Numeracy

✻ Fractional Equivalency Kit
42378 KT
PIJ 2024 Spectrum Educational Supplies Ltd
Equivalent fractions are fractions that may look different but in fact are equal to each other! Our selection of items within this kit will help students understand different representations in fractional notation of the same part of a whole or group.

Numeracy; Mathematics–Study and teaching; Math; Mathematics; Fractions–Study and teaching; Fractions

Fractions: Grade 4/5
37515 KT
I
Tools to teach fractions include magnetic fraction circles, fraction comparison tiles, fraction tower and assorted activities and tasks for students.

Fractions; Math; Math–Study and teaching (Elementary); Math games; Mathematics; Numeracy

Fractions Kit
34981 KT
PI
Kit aims at recognizing and naming fractional parts and decimal recognition. Decimal notation and place value. Also fraction-decimal equivalence.

Fractions; Math; Math games; Mathematics; Numeracy

✣ Games for early number sense : a yearlong resource
41604 BK
T 78 p. 2007 Heinemann
Catherine Twomey Fosnot, Antonia Cameron.
"Contexts for Learning Mathematics" series is designed to support a conceptual understanding of essential mathematical ideas, strategies and models. Each unit provides a two-week sequence of investigation, mini-lessons, games, and other contexts for learning. The series' 18 classroom-tested units are organized into grade-appropriate levels." -OCLC.

Mathematics–Study and teaching; Teaching–Aids and devices; Educational games; Subtraction–Study and teaching; Addition–Study and teaching; Cameron, Antonia,–author

Geo-boards set
28626 KT
PIJS

The geoboard collection : an adventure in mathematics.
15101 KT
J
The geoboard enables students to investigate and explore while learning geometry. Geoboards provide rich opportunities for the tactile learner, the visual learner and the audio learner. Students work in small groups, with partners, to visualize, to discuss and to solve problems based on designs. La Collection Géoplan donne un sens aux expériences géométriques des élèves grâce la discussion, la manipulation et l'analyse. Ce processus de d pouillement aide claircir les notions de base en mathématiques en fournissant, nos jeunes investigateurs et investigatrices, les outils n cessaires pour leur donner une meilleure compr hension. Les concepts: les segments de droite; les angles; la congruence; la sym trie, la perpendicularit ; le parallélisme; le périmétre; l'aire; les diagonales; les comparaisons de fractions; les renversements, les églissements, les révolutions; les réflexions, les rotations, les translations. (513.07)

French collections; Jeux mathématiques; Math; Math games; Mathematics; Mathematics–Study and teaching; Mathématiques; Numeracy

Geometric shapes building set
37393 KT
P
Create endless opportunities for students to build and explore shapes! Combine sticks in 3 sizes, along with curves for making circles and cylinders, with 2 different types of connectors to build 2-D shapes. Then, combine them to make new 2-D shapes, and even 3-D shapes! Child-friendly set features durable sticks, curves, and connectors.

Geometry; Math; Mathematics; Mathematics–Manipulatives; Numeracy; Shapes–Study and teaching (Primary)

Geometric shapes kit
34858 KT
P
This kit explores the relationships between shape, surface area, and volume. Brings basic geometric concepts to life while investigating the fun world of geometric shapes. Students will become familiar with three-dimensional shapes, will develop mathematical vocabulary, identify and describe line symmetry, and use geometric models to solve number and measurement problems.

Geometry; Math; Mathematics; Mathematics–Manipulatives; Numeracy; Shapes–Study and teaching (Primary)

Geometry 3-D solids class set
28623 KT
PIJS

Geometry 3-D solids class set
28625 KT
PIJS

Geometry 3-D solids class set
28624 KT
PIJS

Geometry : a math adventure
29009 KT
I 2004 Charlesbridge
Cindy Neuschwander ; illustrated by Wayne Geehan.
Young mathematicians will learn valuable problem-solving skills using geometry and shapes told as a story. (516.15)

Children's literature; Geometry; Math; Mathematics–Study and Teaching (Elementary); Numeracy; Shape

Good questions : lessons and tasks for building number sense in kindergarten and grade 1
42133 BK
P 163 p. 2022 Carole Fullerton
by Carole Fullerton.
"Lessons feature sorting and patterning, shape and measurement and number sense (subitizing, counting, estimating and the operations)."–Author's website.

Mathematics–Study and teaching; Mathematics–Problems, exercises, etc; Mathematics

Grab & go math center
30917 KT
PI 2005 Lakeshore Learning Materials
Provides students with tons of opportunities for individualized math practice. Students simply pick up a set of manipulatives, grab an activity sheet, and read the easy-to-follow instructions to get started. The engaging activities will build math skills in every content area from place value and geometry to money and problem solving, and more. (332.4)

Math; Mathematical recreations; Mathematics–Study and teaching (Primary); Mathematics–Manipulatives; Numeracy

Graphing kit
38127 KT
PIJS
Use stories and graph mat to bring graphing to life.

Graph theory; Graphic methods; Math; Math–Study and teaching (Elementary); Mathematics; Mathematics–Study and teaching; Numeracy

Great mathemachicken
For descriptions see individual titles:
Hide and go beak [42137]

Greater estimations
38519 BK
PJ 2016
Bruce Goldstone.
Presents techniques for making reasonably accurate estimations of high quantities of items or vast ranges of measurement. Uses creative examples for building the skill of guessing lengths, volumes, and area.

Approximate computation; Arithmetic; Arithmetic–Pictorial works; Mathematics–Pictorial works

The greedy triangle
33752 BK
1994 Scholastic
Written by Marilyn Burn ; illustrated by Gordon Silveria.
Dissatisfied with its shape, a triangle keeps asking the local shapeshifter to add more lines and angles until it doesn't know which side is up.

Self-acceptance–Fiction; Shape–Fiction

Greg Tang math kit
29008 KT
PI 2002 Scholastic
Greg Tang.
Young mathematicians will learn valuable problem-solving skills from a winning combination of clever games and vibrant illustrations in each book. (513.213)

Children's literature; Math; Mathematics–Study and teaching; Mathematics–Study and Teaching (Elementary); Numbers; Numeracy

Growing patterns : fibonacci numbers in nature
38204 BK
PI 32 p. 2010 Boyds Mills Press
Sarah C. Campbell ; photographs by Sarah C. Campbell and Richard P. Campbell.
Text and photographs provide a simple introduction to Fibonacci numbers in nature. Includes background information about Fibonacci numbers and a glossary.

Fibonacci numbers; Nature–Pictorial works; Patterns (Mathematics); Campbell, Richard P.,–ill

Hide and go beak
42137 BK
PI 75 p. 2024 Pixel+Ink
Nancy Krulik ; illustrated by Charlie Alder.
Great mathemachicken Series - "A chicken hops a ride to school to see what the humans do there all day and unlocks the superpowers of math and science, which she uses to save the coop"–Provided by publisher.

School stories; Chickens–Fiction; Mathematics–Fiction; Alder, Charlie,–illustrator

How big is a foot?
39810 BK
PJ 1990 Yearling
written and illustrated by Rolf Myller.
An apprentice carpenter gets thrown into jail when the bed he builds for the Queen's birthday is too small. He soon solves the problem and is made a royal prince.

Apprentices–Fiction; Beds–Fiction; Size–Fiction

How high is the sky
39830 BK
P 2009
Anna Milbourne ; illustrated by Serena Riglietti ; designed by Laura Wood.
This is a picture book that introduces the concepts of size and scale. Pipkin, the inquisitive penguin, wants to know how high the sky is and so, with a friendly albatross, a hot-air balloonist, and an astronaut in a space rocket he goes all the way to the moon. There he discovers that the sky is still too high for him to reach; however, he feels happy to have found his answer.

Outer space–Fiction; Penguins–Fiction; Size–Fiction; Sky–Fiction; Riglietti, Serena,–illustrator

How much is a million?
38578 BK
P 1993
by David M. Schwartz ; pictures by Steven Kellogg.
Text and pictures try to make possible the conceptualization of the numbers a million, a billion, and a trillion.

Billion (The number); Million (The number); Number concept; Trillion (The number); Kellogg, Steven,–illustrator

How tall, how short, how faraway
39815 BK
PI 1999 Holiday House
David A. Adler ; illustrated by Nancy Tobin.
Introduces several measuring systems -such as the Egyptian system, the inch-pound system, and the metric system.

Measurement; Tobin, Nancy,–ill

Hueys
For descriptions see individual titles:
The Hueys in None the number [38938]

The Hueys in None the number
38938 BK
2015
Oliver Jeffers.
Hueys Series - One of the Hueys tries to explain the concept of "none" to another by finding different numbers of items, one through ten, then taking them all away.

Counting–Fiction; Number concept–Fiction; Zero (The number)–Fiction

A hundred billion trillion stars
38229 BK
PI 2017
by Seth Fishman ; illustrated by Isabel Greenberg.
"A look at the numbers that surround us, big and small, on earth and in outer space."–

Mathematics–Miscellanea; Number concept; Numbers–Miscellanea; Greenberg, Isabel,–illustrators

I know numbers!
38233 BK
P 2017
Taro Gomi.
"A picture book that introduces the concept of numbers, and different ways that numbers are used in the world"–

Counting; Number concept

I see a pattern here
38208 BK
PJ 2015
Bruce Goldstone.
"Patterns are fascinating! They can be so beautiful that people come from all over the world to see them, or so familiar you hardly notice them. They appear everywhere: beehives, dinner plates, even the bottoms of your shoes! With photographs that show diverse examples from nature and artwork around the world, Bruce Goldstone reveals the secrets behind patterns–and gives you some fun ideas for making your own"–Provided by publisher.

Pattern perception; Patterns (Mathematics)

If... : a mind-bending new way of looking at big ideas and numbers
36361 BK
PI 2014
written by David J. Smith ; illustrated by Steve Adams.
Presents and illustrates a number of interesting concepts in a scaled-down manner that humans can relate to. Includes time lines (the history of Earth compressed into one year), to quantities (all the wealth in the world divided into one hundred coins), to size differences (the planets shown as different types of balls), and more.

Astronomy–Miscellanea; Natural history–Miscellanea; Natural resources–Miscellanea; Population–Miscellanea; World history–Miscellanea; Adams, Steve,–1967—illustrator

Inch by inch
39823 BK
PJ 1960
Leo Lionni.
To keep from being eaten, an inchworm measures a robin's tail, a flamingo's neck, a toucan's beak, a heron's legs, and a nightingale's song.

Birds–Fiction; Caterpillars–fiction; Size–Fiction

Inclusive math kit
37734 KT
PI Set BC
This kit and its resources, capitalizes on the fun of cards and dice to teach and reinforce math concepts. The jumbo foam dice and the oversized playing cards help make activities that are challenging for those with fine-motor difficulties, become not only more accessible, but fun and engaging for all. (LART)

Inclusive education–equipment and supplies; Math; Math games; Mathematics; Numeracy

Interlocking cubes set [1 cm.]
38660 KT
P SI Manufacturing
1 cm. sized cubes allows students to create shapes for pattern recognition, problem solving, shape, space, position and movement, fractions, algebra and more. Math resources.

Counting; Geometry; Math; Mathematics–Study and teaching (Primary); Mathematics–Manipulatives; Numeracy; Shapes–Study and teaching (Primary)

Interlocking cubes set [2 cm.]
37724 KT
P
2 cm. sized cubes allows students to create shapes for pattern recognition, problem solving, shape, space, position and movement, fractions, algebra and more. Math resources.

Counting; Geometry; Math; Mathematics–Study and teaching (Primary); Mathematics–Manipulatives; Numeracy; Shapes–Study and teaching (Primary)

Interlocking cubes with quadrants set
28628 KT
P

Intermediate investigations to inspire
30914 KT
IJT 114 pce 2005 Janice Novakowski & Carole Saundry
Provides five separate investigations, each focusing on a different mathmatical strand. The lessons consist of performance tasks and are designed to compliment other classroom experiences. Kit contain manipulatives for each le (513)

Math; Mathematics–Study and teaching; Number concept–Study and teaching; Number concept–Problems, exercises, etc; Numeracy

It's about time
34875 KT
P 155 pce 2007 Aims Educational Foundation
This kit is designed to build a conceptual understanding of time and its measurement. Experiences included have students sequencing events, measuring duration of time (long time/short time), and reading clocks. The activities include several model clocks as they build an understanding and a spatial memory of the number patterns that appear on both analog and digital clocks. (529)

Clocks; Math; Math games; Mathematics; Numeracy; Time–Study and teaching

✵iWrite Math : foundations of mathematics 11
42071 BK
S 374 p. 2019 Absolute Value Publications
[Alan Appleby and Greg Ranieri].
"There are ten curricular units. Each curricular unit is subdivided into individual lessons. The last lesson in each unit is a practice test containing 15 multiple choice questions, 5 numeric response questions, and 1 extended response question. Most lessons can be covered in one hour (plus homework time), but some may require more time to complete."–OCLC.

Mathematics–Study and teaching; Mathematics–Problems, exercises, etc; Ranieri, Greg,–author

✵iWrite math : foundations of mathematics 12
42078 BK
P 460 p. 2020 Absolute Value Publications
[Alan Appleby and Greg Ranieri].
The book contains nine curricular units subdivided into individual lessons. With the exception of "analyzing Puzzles and Games", "Fractals", and "Financial Planning", the last lesson in each unit is a practice test containing 15 multiple choice questions, 5 numeric response questions, and an extended response question. The unit "Analyzing Puzzles and Games" is subdivided into four parts integrated throughout the book.

Mathematics–Study and teaching; Mathematics–Problems, exercises, etc; Ranieri, Greg,–author

iWrite math : foundations of mathematics and pre-calculus 10 book
42074 BK
JS 564 p. 2018 Absolute Value Publications
[Alan Appleby, Greg Ranieri.].
The iWrite Math Foundations of Mathematics and Pre-Calculus 10 book British Columbia Edition is a complete resource for the British Columbia Foundations of Mathematics and Per-Calculus Grade 10 curriculum. Each curricular unit is subdivided into individual lessons. The last lesson in each unit is a practice test containing 15 multiple choice questions, 5 numeric response questions, and 1 extended response questions.

Calculus–Study and teaching–Textbooks; Ranieri, Greg,–author; Calculus–Problems, exercises, etc; Mathematics

iWrite math : pre-calculus mathematics 11 book
42076 BK
S 520 p. 2019 Absolute Value Publications
[Alan Appleby, Greg Ranieri.].
The iWrite Math Pre-Calculus Mathematics 11 book British Columbia Edition is a complete resource for the British Columbia Pre-Calculus Mathematics Grade 11 curriculum. Each curricular unit is subdivided into individual lessons. The last lesson in each unit is a practice test containing 15 multiple choice questions, 5 numeric response questions, and 1 extended response question.

Calculus–Study and teaching–Textbooks; Ranieri, Greg,–author; Calculus–Problems, exercises, etc; Mathematics

iWrite math : pre-calculus mathematics 12 book
42072 BK
S 670 p. 2020 Absolute Value Publications
[Alan Appleby, Greg Ranieri.].
The iWrite Math Pre-Calculus Grade 12 book is a complete resource and a 100% fit for the British Columbia mathematics curriculum. There are 10 curricular units. Each curricular unit is subdivided into individual lessons. The last lesson in each unit is a practice test containing 15 multiple choice questions, 5 numeric response questions, and an extended response question.

Calculus–Study and teaching–Textbooks; Ranieri, Greg,–author; Calculus–Problems, exercises, etc; Mathematics

Jump, leap, count sheep! : a Canadian wildlife 123
38234 BK
P 2017
Geraldo Valério.
Celebrates the diverse wildlife of Canada by counting from one to ten with mammals, insects, birds, reptiles, or fish found in the Canadian wilderness.

Animals–Canada–Fiction; Counting

Junior Rainbow Blocks [40 pieces]
37703 KT
P Guidecraft
An adventure in color and light! One-third smaller than unit block size, Jr. Rainbow Blocks are a new challenge in creating structures and extending traditional block play. Smooth hardwood frames with inset. Colorful, transparent acrylic windows are also ideal for color exploration and light table activities.

Applied design, skills and technologies; Building; Color; Geometry; Maker spaces; Math; Mathematics–Manipulatives; Numeracy; Shapes–Study and teaching (Primary); Structures

Length
40090 BK
P 2018
by Henry Pluckrose.
Math counts Series - "Explains to the reader about mathematical length"–Provided by publisher.

Measurement; Weights and measures

Let's estimate : a book about estimating and rounding numbers
38238 BK
PI 32 p. 2016
by David A. Adler ; illustrated by Edward Miller.
"This introduction to the mathematical estimating and rounding explains the difference between the two, their uses, and gives directions for estimating and rounding"–Provided by publisher.

Approximate computation; Mathematics; Numerical analysis; Miller, Edward,–1964—illustrator

Lifetime : the amazing numbers in animal lives
38358 BK
PI
by Lola M. Schaefer ; illustrated by Christopher Silas Neal.
A counting primer that combines contrasting illustrations with animal facts. Invites young children to count such things as a caribou's 10 sets of antlers, a woodpecker's 30 roosting holes, a giraffe's 200 spots, and maybe even 1000 baby seahorses! Provides additional information about each animal at the end of the book. Also discusses some basic mathematical skills.

Animals; Animals–Pictorial works; Counting; Life (Biology)–Miscellanea; Number concept; Number concept–Pictorial works; Neal, Christopher Silas,–illustrator

Looking, thinking by analogy
16479 KT
PIJ 224 pce 1992 Private Eye Project
Kerry Ruef.
Private eye Series - 30 jeweler loupes help students further engage in the process of inquiry through Science, Mathematics, Art, and Language Arts

Applied design, skills and technologies; Art; Creative thinking; Critical thinking; Inquiry; Jewelers loupes; Logic–Study and teaching; Math; Microscopes; Numeracy; Science

Magformers: XL cruiser set
37347 KT
PI

Making number talks matter : developing mathematical practices and deepening understanding, grades 4-10
37586 BK
T
Cathy Humphreys & Ruth Parker ; foreword by Jo Boaler.
"Throughout the book, Cathy Humphreys and Ruth Parker offer practical ideas for using Number Talks to help students learn to reason numerically and build a solid foundation for the study of mathematics"–Back cover.

Mathematics–Study and teaching; Boaler, Jo,–1964—contributor; Parker, Ruth E.,–author

Marcy Cook Math

After, before, between, more & less tiles : grades 1 and 2
36057 KT
P 2006
Marcy Cook
This kit is good practice for order of numbers and basic concepts like days in a week, sides on a triangle, legs on multiple donkeys etc. For grades 1 and 2, and could be used if adapting for kindergarten.

Math; Mathematics; Numbers; Numeracy

Decimal place value & number sense–build a number : Gr. 5-7
35911 KT
I 2011
Marcy Cook
The activities are designed to provide experiences with building and assessing numbers, using number sense and place value, understanding of whole numbers and decimal fractions.

Decimal system; Math; Mathematics; Numeracy

Geometry line up and be accounted for
35914 KT
IJ 1987
Marcy Cook
Emphasis is on the use of geometrical vocabulary as related to the standard six pattern block shapes.

Geometry; Math; Mathematics; Numeracy

Multiple factor tiles: grades 5 to 7
35910 KT
I 1987
Marcy Cook
This is a set of 20 task cards that students can independently work through to practice finding factors and multiples.

Factors; Math; Mathematics; Numeracy

Weight logic: logical reasoning and algebraic thinking
35913 KT
PI 1999
Marcy Cook
The emphasis is to use logical thinking (not the guess and check strategy) for these problems. Students need to be able to verbalize and justify their thinking. This kit is especially appropriate for the more able young learner who is showing readiness for drawing conclusions from observation and given information.

Math; Mathematics; Numeracy; Weight

✵Mastering the facts : addition
41972 BK
T 59 p. 2020 Mind-Full Math Resources
by Carole Fullerton and the Campbell River Basic Facts Group.
Provides a series of strategies, lessons, and activities for helping students to understand and master addition. Also features games, visuals, and blackline masters.

Mathematics–Study and teaching; Arithmetic–Study and teaching; Addition–Study and teaching; Addition–Problems, exercises, etc

✵Mastering the facts : subtraction : lessons for making sense of subtraction for grades 1 to 3
41967 BK
PT 98 p. 2012 Wordpress?
Carole Fullerton.
Provides a series of seventeen lessons, intended to be taught in order, for introducing, reinforcing, and mastering the subtraction facts to 20. Also features games, visuals, and blackline masters. May be used after or at the same time as "Mastering the facts : addition".

Mathematics–Study and teaching; Arithmetic–Study and teaching; Subtraction–Study and teaching; Subtraction–Problems, exercises, etc

Math counts
For descriptions see individual titles:
Length [40090]

Math curse
20188 BK
1995 Viking
Jon Scieszka and Lane Smith.

Math fables
33773 BK
PJ 2004 Scholastic Press
by Greg Tang ; illustrated by Heather Cahoon.
A series of rhymes about animals introduces counting and grouping numbers, as well as examples of such behaviors as cooperation, friendship, and appreciation. (513.2/11)

Arithmetic; Conduct of life; Counting; Mathematics; Cahoon, Heather,–ill

✵Math fact fluency : 60+ games and assessment tools to support learning and retention
42352 BK
T 187 p. 2019 ASCD
Jennifer Bay-Williams and Gina Kling.
"Offers everything a teacher needs to teach, assess, and communicate with parents about basic math fact instruction. This is a... guide for any educator who needs to teach basic facts. The approach is grounded in research and will transform students' learning of basic facts and help them become more confident and successful at math." -OCLC.

Mathematics–Study and teaching; Educational games; Mathematics–Problems, exercises, etc; Kling, Gina,–author; Math; Mathematics; Numeracy

✵Math for all seasons
42135 BK
PJ 2002 Scholastic Inc.
by Greg Tang ; illustrated by Harry Briggs.
Mind-stretching math riddles Series - Contains twelve riddles, each paired with a color illustration, that together pose math puzzles based on the seasons of the year. Includes an answer key. (513)

Counting; Arithmetic; Briggs, Harry,–ill; Riddles

Math in a cultural context

Building a fish rack: investigations into proof, properties, perimeter, and area
35363 KT
I 200 pce 2003 Detselig Enterprises
Aishath Shehenaz Adam ; Jerry Lipka
Lessons learned from Yup'ik Eskimo Elders.

Math; Mathematics; Numeracy

Salmon fishing: investigations into probability
35362 KT
I 138 pce 2005 Detselig Enterprises
Aishath Shehenaz Adam...[et al.]
Lessons learned from Yup'ik Eskimo Elders.

Math; Numeracy

Mathematical mindsets : unleashing students' potential through creative math, inspiring messages and innovative teaching
37590 BK
T
Jo Boaler ; foreword by Carol Dweck.
"[A] guide to the information, techniques, and activities that can be put in place to make math more enjoyable and achievable for all students"–Back cover.

Mathematics–Study and teaching; Middle schools; Secondary education; Dweck, Carol S.,–1946—contributor

✵Mathematics 10
42362 BK
J 652 p. 1998 Addison-Wesley
Robert Alexander and Brendan Kelly.
Addison-Wesley mathematics Series - Student text uses an inquiry approach and incorporates graphing calculators and software use. The teacher's resource book includes comprehensive teaching notes, blackline masters, additional exercises, and a graphing handbook with reproducible activities. Group work, manipulatives, and technology are utilized where appropriate. (510.7)

Mathematics–Study and teaching; Kelly, Brendan,–1943-; Numeracy; Math; Mathematics

✵Mathematics tasks for the thinking classroom. Grades K-5
42440 BK
T 419 p. 2024 Corwin
Peter Liljedahl, Maegan Giroux ; illustrations by Laura Wheeler.
Corwin mathematics Series - " It delves deeper into the implementation of the 14 practices from the BTC [Building Thinking Classrooms] framework by updating the practices with the newest research, and focusing on the practice through the lens of rich math tasks that address specific mathematical learning outcomes or standards. Across the 20 non-curricular tasks and 30 curricular tasks used as models, this book:

Helps you choose tasks to fit your particular math standards, goals, and the competencies you want your students to build ; Walks you through all the steps and scripts to launch, facilitate, and consolidate each task ; Shares examples of possible student solutions along with hints you might offer to help their thinking along ; Offers tasks for consolidation, example notes to my future forgetful self, and mild, medium, and spicy check-your-understanding questions (CYUs) for every thin sliced sequences of curricular tasks ; Imparts reflections from the authors on each task. The book closes with specific guidance on how to find more tasks or craft your own non-curricular and curricular tasks, along with answers to educators frequently asked questions. It includes access to a companion website that includes downloadables and a task template for creating your own tasks."–Amazon.

Classroom management; Mathematics–Study and teaching; Teaching; Giroux, Maegan,–author; Wheeler, Laura–(Illustrator),–illustrator; Math; Mathematics

MathLinks 10 : pathways to success
42063 BK
J 528 p. 2019 Nelson Education
authors Bruce McAskill [and seven others].
"Aligns with changes to Ministry student reporting requirements and ease concerns about how to integrate the new BC core and curricular competencies through clear identification of curricular competency questions. Supports new and revised learning standards for Fraction Operations, Cubes and Cube Roots, Proportional Reasoning, Data Management and Financial Literacy. Provides opportunities for Inquiry-Based learning through open and active explorations, tasks, projects and rich problems. Competency-based focus as outlined in the new BC Building Student Success Curriculum document." -publisher's website.

Mathematics–Study and teaching; Johnson, Blaise,–author; McAskill, Bruce,–author; Watt, Wayne,–author; Balzarini, Eric,–author; Carlson, Scott,–author; Kennedy, Ron,–author; Melnyk, Terry,–author; Wardrop, Harold,–author

MathLinks 8 : pathways to success
42064 BK
IJ 381 p. 2016 McGraw-Hill Ryerson
authors, Bruce McAskill ... [et al.].
"Aligns with changes to Ministry student reporting requirements and ease concerns about how to integrate the new BC core and curricular competencies through clear identification of curricular competency questions. Supports new and revised learning standards for Fraction Operations, Cubes and Cube Roots, Proportional Reasoning, Data Management and Financial Literacy. Provides opportunities for Inquiry-Based learning through open and active explorations, tasks, projects and rich problems. Competency-based focus as outlined in the new BC Building Student Success Curriculum document." -publisher's webstite.

Mathematics–Study and teaching; Johnson, Blaise,–author; McAskill, Bruce,–author; Balzarini, Eric,–author; DeMerchant, Richard,–author; Etienne, Steve,–author; Wunderlich, Rick,–author

MathLinks 9 : pathways to success
42062 BK
J 348 p. 2016 McGraw-Hill Ryerson
authors Wayne Erdman [and three others].
"Aligns with changes to Ministry student reporting requirements and ease concerns about how to integrate the new BC core and curricular competencies through clear identification of curricular competency questions. Supports new and revised learning standards for Fraction Operations, Cubes and Cube Roots, Proportional Reasoning, Data Management and Financial Literacy. Provides opportunities for Inquiry-Based learning through open and active explorations, tasks, projects and rich problems. Competency-based focus as outlined in the new BC Building Student Success Curriculum document." -publisher's website.

Mathematics–Study and teaching; Erdman, Wayne,–author; Erienne, Steve,–author; Johnson, Blaise,–author; Zarski, Chris,–author

MathStart. Level 1
For descriptions see individual titles:
Beep beep, vroom vroom! [38207]

MathStart. Level 2
For descriptions see individual titles:
Tally O'Malley [38240]

MathStart. Level 3
For descriptions see individual titles:
Betcha! [38225]

Mathworks 11 : Workbook. Part 1
42068 BK
S 196 p. 2011 Pacific Education Press
[Katharine Borgen, PhD].
"...emphasizes mathematical skill-building through worked examples, practice problems, and differentiated learning strategies." –provided by publisher.

Mathematics–Study and teaching; Mathematics–Problems, exercises, etc

Mathworks 11 : Workbook. Part 2
42070 BK
S 8 p. 2011 Pacific Education Press
[Katharine Borgen, PhD].
"...emphasizes mathematical skill-building through worked examples, practice problems, and differentiated learning strategies." –provided by publisher.

Mathematics–Study and teaching; Mathematics–Problems, exercises, etc

Measurement and shape
38170 KT
PI
Use a variety of resources to teach measurement and shape.

Geometry; Math; Math–Study and teaching (Elementary); Mathematics; Mathematics–Study and teaching; Measurement; Numeracy; Shape

Measurement kit
34885 KT
P
This kit is focused on essential measurement concepts in a problem-solving context. Lessons give a deeper understanding of why and how to measure length, time, area, volume, capacity, weight, temperature and more. Students will make conne ctions to other strands of the math curriculum as well as across the curriculum to literature, social studies, and science.

Math; Mathematics; Measurement; Numeracy

Measuring Penny
39826 BK
PI 1997 Holt
written and illustrated by Loreen Leedy.
Lisa learns about the mathematics of measuring by measuring her dog Penny with all sorts of units, including pounds, inches, dog biscuits, and cotton swabs.

Dogs–Fiction; Measurement–Fiction

Millions, Billions & Trillions : Understanding Big Numbers
40785 BK
PI 32 p. 2013 Holiday House
by David A. Adler ; illustrated by Edward Miller.
Simple text and illustrations explain the concepts of very large numbers.

Number concept; Counting; Numbers; Miller, Edward,–1964—illustrator

Mind-stretching math riddles
For descriptions see individual titles:
Math for all seasons [42135]

Minnie's diner : a multiplying menu
38199 BK
PJ 2004 Candlewick Press
Dayle Ann Dodds ; illustrated by John Manders.
Rhyming tale of five boys and their father who forget about their chores on the farm to enjoy Minnie's good cooking, each requesting double what the previous one ordered.

Farm life–Fiction; Father-son relationship–Fiction; Multiplication; Restaurants–Fiction; Stories in rhyme; Manders, John,–ill

Mirror blocks [10 pieces]
37715 KT
P
Set of 10 mirror blocks features hardwood frames with soft, rounded corners and Mylar mirrored double faced interiors. Sized to standard unit block measurements. Educational Focus: Science, visual perception, block play, size relationships.

Applied design, skills and technologies; Building; Geometry; Maker spaces; Math; Mathematics–Manipulatives; Numeracy; Science; Shapes–Study and teaching (Primary); Structures

Mirror blocks [8 pieces]
38650 KT
P
This 8 piece set consists of geometric shaped, hardwood framed blocks that permanently encase an unbreakable acrylic mirror. Large square block is 14 x 14 cm.

Applied design, skills and technologies; Building; Geometry; Maker spaces; Math; Mathematics–Manipulatives; Numeracy; Science; Shapes–Study and teaching (Primary); Structures

⁕Modifying your thinking classroom for different settings : a supplement to Building thinking classrooms in mathematics
42399 BK
T 107 p. 2022 Corwin
Peter Liljedahl ; illustrations by Laura Wheeler.
Corwin mathematics Series - ". . . walks teachers through how to adapt the 14 practices [from 'Building Thinking Classrooms in Mathematics, Grades K-12'] for 12 distinct settings, some of which came about as a result of the COVID-19 pandemic"–Back cover.

Classroom management; Teaching; Supplement to:–Liljedahl, Peter,–1967—Building thinking clas; Numeracy; Math; Mathematics

Money and financial literacy kit
38096 KT
PI
Use stories to enhance financial literacy units.

Coins–Canada; Math; Math–Study and teaching (Elementary); Mathematics–Study and teaching; Mathematics–Manipulatives; Money–Study and teaching; Money–Canada; Numeracy

Multiplication and division kit
38166 KT
PI
Using literature and tiles to demonstrate multiplication and division using arrays.

Division; Math; Math–Study and teaching (Elementary); Mathematics; Mathematics–Study and teaching; Multiplication; Numeracy

✵Multiplicative thinking : from skip counting to algebra ; grades 3-8
41788 BK
T 159 p. 2015 Carole Fullerton
by Carole Fullerton.
Provides a series of strategies, lessons, and activities for helping students to understand and master multiplication. Also features games, visuals, and blackline masters.

Mathematics–Study and teaching; Arithmetic–Study and teaching; Multiplication–Study and teaching; Multiplication–Problems, exercises, etc

My first maths
For descriptions see individual titles:
What shape is it? [38227]

✢Natural Objects Count and Sort Kit
41462 KT
P 2023
This educational resource can be used to learn the Concept of classifying and sorting objects.

Mathematics–Manipulatives; Mathematics; Counting; Mathematics–Study and teaching (Primary)

Negative/Positive integer tiles
37513 KT
I 2000
Marcy Cook
Adding and subtracting of positive and negative whole numbers.

Math; Math–Study and teaching (Elementary); Mathematics; Mathematics K-7; Mathematics–Problems, exercises, etc; Mathematics–Manipulatives; Numeracy

Number beanbags: toss and learn number fun
36179 KT
P Educational Insights
A fun and active way to encourage the young learners' beginning math skills. Reinforces numbers and number word recognition, number order, even and odd numbers and counting 1-20.

Counting; Math; Mathematical readiness; Mathematics; Numbers; Numeracy

✢Number Concepts to 10 : Kindergarten
41603 KT
P 2023 Pearson Canada
Big Idea: Numbers represent quantities that can be decomposed into smaller parts. * number concepts to 10 * decomposition of numbers to 10 * change in quantity to 10, using concrete materials This Kit will help students learn these concepts by playing a game called Waltes.

Number concepts; Mathematics–Study and teaching (Primary); Aboriginal; First Nations

⁕Number sense assessment : grade one
42401 KT
P 2024
The NSA Kit A supports the administration of SD73's required Grade One Number Sense Assessment. Along with the NSA document, the kit includes the needed manipulatives, materials and blackline masters.

Assessment; Numeracy; Math; Mathematics; Number sense; Computational fluency

⁕Number sense assessment : grade two
42402 KT
P 2024
The NSA Kit B supports the administration of SD73's required Grade Two Number Sense Assessment. Along with the NSA document, the kit includes the needed manipulatives, materials and blackline masters.

Assessment; Numeracy; Math; Mathematics; Number sense; Computational fluency

Number sense routines
For descriptions see individual titles:
Number sense routines : building numerical literacy every day in grades K-3 [40554]

Number sense routines : building mathematical understanding every day in grades 3-5
40587 BK
T 137 p. 2018 Stenhouse Publishers
Jessica F. Shumway ; foreword by Lucy West.
"Number Sense Routines is about tapping into every child's innate number sense and providing daily experiences that are responsive to children's learning needs. Through familiar five-, ten-, or fifteen-minute warm-up routines,[this book] offers both beginner and veteran teachers easy and effective ways to build and solidify students' number sense foundations."–OCLC
West, Lucy,–author of foreword; Number concept–Study and teaching; Number concept–Problems, exercises, etc; Mathematics–Study and teaching; Numbers–Study and teaching

Number sense routines : building numerical literacy every day in grades K-3
40554 BK
T 178 p. 2011 Stenhouse
Jessica F. Shumway ; foreword by Lucy West.
Number sense routines Series -
Demonstrates that number sense can be taught to all students. Provides various five-, ten-, and fifteen-minute number sense activities, illustrates how the routines work, outlines how children's number sense develops, and offers strategies to implement responsive routines. Note copyright restrictions.
Number concept–Study and teaching; Number concept–Problems, exercises, etc; Mathematics–Study and teaching; Numbers–Study and teaching

Numbers weaving kit
37995 KT
P
A natural resource for developing number awareness and recognition. Large woven numbers which can be hung indoors as mobiles or used as super sized digits for numeracy activities. Decorate with an assortment of resources. Hang the corresponding amount underneath for consolidation of numeral to quantity. Go on treasure hunts in the school ground for the numbers or use as stations for circuits.
Art; Math; Mathematics–Study and teaching; Numeracy

Nunavummi reading series. Level 9
For descriptions see individual titles:
Out on the ice [39971]

One
37361 BK
PI 2008 KO Kids Books
by Kathryn Otoshi.
Red picks on Blue while Yellow, Orange, Green, and Purple wonder what they can do until One unites the colors and helps everybody learn about acceptance, tolerance, and boundaries amidst bullying while the reader learns numbers and primary and secondary colors.
Bullies–Fiction; Color–Fiction; Counting; Personal awareness and social responsibility

One is a snail, ten is a crab : a counting by feet book
38201 BK
PI 2006 Candlewick Press
April Pulley Sayre and Jeff Sayre ; illustrated by Randy Cecil.
Introduces the numbers one through ten by looking at creatures with different numbers of feet, and includes counting by tens to one hundred.
Animals; Counting; Foot; Cecil, Randy,–ill; Sayre, Jeff,–1963-

***Open middle math : problems that unlock student thinking, 6-12**
42397 BK
T 178 p. 2019 Stenhouse Publishers
Robert Kaplinsky.
Using the Open Middle math problems and strategies in this book, you'll learn how to do the following: Implement Open Middle math problems that are simultaneously accessible for both students who are struggling and those looking for more challenge. Select and create Open Middle math problems that will help you detect students' misconceptions and strengthen their conceptual understanding. Prepare for and facilitate powerful classroom conversations using Open Middle math problems. Access resources that will help you continue learning beyond this book. With these practical and intuitive strategies, extensive resources, and Robert's own stories about his journey learning to use Open Middle math problems successfully, you will be able to support, challenge, and motivate your students.–back cover.
Mathematics–Study and teaching; Word problems (Mathematics)–Study and teaching; Numeracy; Math; Mathematics

Order of operation tiles
37656 KT
I 1992
Marcy Cook
Utilizes the order of operations to form an equation.
Addition; Division; Math; Math–Study and teaching (Elementary); Mathematics K-7; Mathematics–Problems, exercises, etc; Mathematics–Manipulatives; Multiplication; Numeracy; Subtraction

Out on the ice
39971 BK
2016
written by Jenna Bailey-Sirko ; illustrated by Amanda Sandland.
Nunavummi reading series. Level 9 -
Tyson and NeeVeeare so excited to go fishing with their parents. Infuses a family trip out on the ice with early numeracy skills of composing and decomposing numbers, quantity awareness and working with the part/part/whole relationship of numbers. Questions at the back of the book help reinforce the numeracy learning in the text.
Counting–Fiction; Ice fishing–Fiction; Inuit–Fiction; Mathematics–Fiction; Sandland, Amanda,–illustrator

Overhead manipulative kit
36180 KT
PIJ

Pattern blocks
15241 KT
PI 2007 Learning Resources
This is a comprehensive kit containing a variety of manipulatives and teacher resources covering topics such as : area, estimation, symmetry, similarity, fractions, and geometry. The manipulatives are an important tool in helping children improve their understanding of mathematical concepts. (372.7)
Math; Math games; Mathematical recreations; Mathematics–Study and Teaching (Elementary); Mathematics–Manipulatives; Numeracy; Patterns (Mathematics)

Patterns - Provocation table [5 books]
37785 KT
PI
A collection of books that can be used as a provocation, to provoke ideas, thoughts and discussions about patterns in our world.
Creative thinking; Fibonacci numbers; Math; Nature; Nature–Pictorial works; Nature study–Poetry; Numeracy; Patterns (Mathematics); Poetry; Shape; Spirals–Poetry; Geometry

The picnic problem : (math)
38242 BK
PI 2018
written by Jonathan Litton ; illustrated by Magal©U Mansilla.
STEAM stories Series - "Miss Add-It-Up is hosting a math picnic! But to find their way, Suzy and Max must solve a series of math puzzles. Will their math knowledge get them to the picnic for sandwiches and cake?"–Back cover.

Mathematics; Picnics–Fiction; Problem solving–Fiction; Puzzles–Fiction; Mansilla, Magalí,–illustrator

A place for Zero : a math adventure
33928 BK
P 32 p. 2003 Charlesbridge
Angeline Sparagna LoPresti ; illustrated by Phyllis Hornung.
As Zero searches to find his place, he learns of his additive and multiplicative identities, and then he establishes place value. (513)

Mathematics–Study and teaching; Number concept; Hornung, Phyllis,–ill

Place value in intermediate : building number sense, grades 3 to 5
41785 BK
PIT 252 p. 2017 Carole Fullerton
by Carole Fullerton.
Provides lessons and exercises designed to support deep learning of number sense. Focuses on representing, describing, comparing, and ordering numbers to 100 000, as well as explorations of decimal numbers to thousandths. Delves into measurement; the metric system; the operations of addition and subtraction of large numbers and decimals; and more.

Mathematics–Study and teaching; Arithmetic–Study and teaching; Decimal system–Study and teaching; Decimal system–Problems, exercises, etc

Place value in primary : developing number sense in kindergarten through grade 2
41787 BK
PT 164 p. 2016 Carole Fullerton
by Carole Fullerton.
Provides lessons and exercises designed to build number sense concurrent with place value uunderstandings. Focuses on representing, describing, comparing, and ordering numbers to 100, as well as explorations of open sentences and number lines as a way of comparing and ordering quantities. Base 10-blocks, Cuisenaire rods and 10-frames are used along with counters and classroom materials to consolidate thinking.

Number concept–Study and teaching; Number concept–Problems, exercises, etc; Counting–Problems, exercises, etc; Numbers–Study and teaching; Numbers–Problems, exercises, etc; Numerals–Study and teaching; Numerals–Problems, exercises, etc

PM Maths: Numeracy and Literacy
For descriptions see individual titles:
Days of the week [6 books] [30764]

Power of ten kit
38160 KT
PI
Trevor Calkins
Trevor Calkins Power of Ten resources to visually represent number facts.

Addition; Arithmetic; Counting; Math; Math–Study and teaching (Elementary); Mathematics; Mathematics–Study and teaching; Numbers; Numeracy; Subtraction

Pre-calculus 11
42069 BK
S 598 p. 2011 McGraw-Hill Ryerson
authors Bruce McAskill ... [et al.].
"Questions and problems, offering teachers and students choice and flexibility. Pre-Calculus 11 and 12 programs offer a variety of assessment opportunities and strategies to accommodate the diversity of students needs. Consumable workbook contains extra practice and exercises to build skills needed for university bound students." -publisher's website.

Johnson, Blaise,–author; McAskill, Bruce,–author; Watt, Wayne,–author; Balzarini, Eric,–author; Carlson, Scott,–author; Kennedy, Ron,–author; Wardrop, Harold,–author; Calculus–Study and teaching–Textbooks

Pre-calculus 11 : my worktext
34089 BK
S 712 p. 2011 Pearson
Jack Hope ; [et al.]
This book is a soft cover textbook with guided examples and instructional support.

Calculus; Mathematics–Study and teaching

Pre-calculus 12
42065 BK
S 646 p. 2012 McGraw-Hill Ryerson
authors Bruce McAskill ... [et al.].
"Questions and problems, offering teachers and students choice and flexibility. Pre-Calculus 11 and 12 programs offer a variety of assessment opportunities and strategies to accommodate the diversity of students needs. Consumable workbook contains extra practice and exercises to build skills needed for university bound students." -publisher's website.

Johnson, Blaise,–author; Zarski, Chris,–author; McAskill, Bruce,–author; Watt, Wayne,–author; Balzarini, Eric,–author; Kennedy, Ron,–author; Melnyk, Terry,–author; Calculus–Study and teaching–Textbooks

Pre-calculus 12 : my worktext
42101 BK
S 808 p. 2020 Pearson Canada
Garry Davis, Grant Gasser, Jack Hope, Linda Rajotte, Delcy Rolheiser, Alan Sarna, David Sufrin, and David Zimmer.
This book is a soft cover textbook with guided examples and instructional support.

Mathematics–Study and teaching; Mathematics–Problems, exercises, etc; Calculus–Study and teaching–Textbooks; Calculus–Problems, exercises, etc

Prehistoric actual size
39811 BK
2005
by Steve Jenkins.
Provides facts especially about the sizes of various dinosaurs and other prehistoric animals.

Dinosaurs; Prehistoric animals; Size

Primary counting kit
38109 KT
P
Kit supports learning numbers 1-50 using story books, big books and dominoes.

Arithmetic–Study and teaching; Counting; Math; Math–Study and teaching (Elementary); Mathematics; Numbers; Numbers–Study and teaching; Numeracy

Primary pan balance
34035 KT
PI
This balance set can be used to balance and weigh a variety of liquid or solid material and features translucent, large capacity pans marked at 200 ml increments which holds up to 1 liter of liquid or solids. Compensator clips for level and accurate measurements. Includes 5 x 1g, 5 x 5g and 5 x 10g stackable weights which can be easily stored in the bottom of the base. (513)

Mass; Math; Mathematics–Study and teaching; Mathematics–Manipulatives; Measurement; Numeracy; Science–Study and teaching; Volume (cubic content); Weights and measures

Primary pattern kit
38107 KT
P
Have students create and explore patterns using the resources and stories.
Math; Math–Study and teaching (Elementary); Mathematics–Study and teaching; Numeracy; Pattern perception; Patterns (Mathematics)–Study and teaching

Primary probability
37516 KT
P
Includes a number of activities, games, experiments and teaching materials to introduce simple probability to primary students.
Math; Mathematics–Study and teaching (Primary); Numeracy; Probability

Primary problems to ponder
29439 KT
P 96 pce 2005
This resource is a collection of problem solving lessons crossing a range of math topics at the primary level. Whenever possible, literature connections are included.
Math; Mathematics–Study and Teaching (Elementary); Numeracy; Problem solving

Primary Rekenrek
41990 KT
P 2024
Rekenreks are ideal for building number sense. They provide students with a concrete, physical object to help develop and deepen their understanding of numbers. Students build a strong sense of 5 and 10, learning about the relationships among numbers and operations along the way.
Subtraction; Mathematics–Study and teaching (Primary); Addition

Primary time
29039 KT
P 2007 Learning Resources
A hands-on kit that covers analog and digital clocks. The clock games and reproducible worksheets reinforce the concepts. (529)
Clocks; Math; Math–Study and teaching (Elementary); Math games; Mathematical recreations; Mathematics; Mathematics–Study and teaching; Numeracy; Time–Study and teaching

PRIME : professional resources and instruction for mathematics educators number and operations strand kit
31549 KT
TPI 2005 Thompson Nelson
Prime is a research-based Canadian professional learning initiative for teachers and administrators. Its aim is improvement in elementary school mathematics at all levels of education–classroom, school, and district. (372.7)
Math; Mathematics–Study and teaching; Numeracy

Private eye
For descriptions see individual titles:
Looking, thinking by analogy [16479]

Probability and data
29040 KT
IJ 2003 Learning Resources
This kit contains materials for your students to explore the concepts of probability and data analysis. Includes: predicting outcomes, data gathering, organizing information and coummunicating results using activity cards. (519)
Math; Math games; Mathematics–Manipulatives; Numeracy; Probabilities

Proportional reasoning, grades 4 to 8
42396 BK
PIT 251 p. 2019 Carole Fullerton
by Carole Fullerton.
This resource for teachers of Grades 4 to 8 presents open-ended lessons, meaningful practice, games, literature connections and a wealth of problem-solving contexts for supporting students to make sense of fractions, decimals, percentages, ratios and proportions. Designed for today's diverse classrooms, this resource offers a range of tasks to promote proportional thinking through intentional development of mathematical language and the use of key manipulatives. Colour tiles, Cuisenaire rods and tangrams are used to model and make connections within and between concepts. In the first section of the resource, students will explore three models -set, area and linear -for representing and describing, comparing and ordering fractions. Students will learn to convert between fractions, decimals and percent and to apply these skills to problem situations, including measurement, tax, discounts and data management. Next, students learn to add and subtract fractions, to solve proportions using a range of strategies (involving both mental math and the appropriate use of technology) and then finally to multiply and divide fractions. Assessment tools are threaded throughout the resource to allow teachers to keep track of student progress and to make instructional decisions.
Mathematics–Study and teaching; Arithmetic–Study and teaching; Numeracy; Math; Mathematics

Rainbow Blocks [30 pieces]
37348 KT
P
An adventure in color, light and sound! Indulge your student's appetite for exploration by combining blocks to form new colors and sounds, or stack the blocks in a different order each time to form new and exciting shapes. Smooth hard-wood frames with primary colored plexi windows. Sized to standard unit block measurements. Strengthens hand-eye coordination and visual perception. Can be used for light table activities.
Color; Geometry; Math; Mathematics–Manipulatives; Numeracy; Shapes–Study and teaching (Primary); Structures

A remainder of one
38205 BK
PI 1995 Houghton Mifflin
by Elinor J. Pinczes ; illustrated by Bonnie MacKain.
When the queen of the bugs demands that her army march in even lines, Private Joe divides the marchers into more and more lines so that he will not be left out of the parade.
Division–Fiction; Insects–Fiction; Stories in rhyme; MacKain, Bonnie,–ill

Remarkable Cuisenaire Rods : mathematical tasks for primary classrooms
42347 BK
PT 40 p. 2015 Carole Fullerton
Carole Fullerton.
Provides lessons and exercises for using Cuisenaire Rods to explore measurement, numbers and operations, multiplicative thinking, and fractional thinking.
Mathematics–Study and teaching; Mathematics–Problems, exercises, etc; Numbers–Study and teaching; Manipulatives–Problems, exercises, etc; Numbers–Problems, exercises, etc

Rethinking fractions : 8 core concepts to support assessment and learning
41535 BK
280 p. 2022 Pearson Canada
Catherine D. Bruce ; Tara Flynn ; Shelley Yearley.
"This resource will help students to develop a deep understanding of unit fractions (the base of all fractions); and the eight core concepts (the keys to unlocking fractions understanding). For educators, this resource will help you to assess students understanding and possible misconceptions via the use of targeted, field-tested questions and recommended next steps that reveal student understanding; and respond to student needs (with

precise and differentiated tasks and instruction)."–Publisher's website.

Mathematics–Study and teaching; Teaching–Aids and devices; Fractions–Study and teaching; Ratio and proportion–Study and teaching; Flynn, Tara,–author; Yearley, Shelley,–author

Rocker scales
28849 KT
PIJS 1990
These accurate scales are sensitive enough to weigh light objects but have capacity to hold up to 1 litre. (681.2)

Mass; Math; Mathematics–Study and teaching; Mathematics–Manipulatives; Measurement; Numeracy; Science–Study and teaching; Volume (cubic content); Weights and measures

Rolling into math
36277 KT
P Box Cars & One-Eyed Jacks
Jane and John Felling: Joanne Currah
More than 40 games and 100 activities for K-3 students covering math concepts such as: counting, addition, subtraction, patterning, multiplication, place value, graphing and problem solving. Ideal for partner play, small groups, whole class, differentiated instruction, home connections and after school programs.

Counting; Dice; Math; Mathematics; Numeracy

Round
38235 BK
P 2017
written by Joyce Sidman ; illustrated by Taeeun Yoo.
"... invites readers to search their worlds for round objects in nature... shows why we love this shape best."–

Geometry; Shape; Solid geometry; Yoo, Taeeun,–illustrator

Sand rainbow blocks [8 pieces]
37713 KT
P Guidecraft
An adventure in colour, light and sound! Indulge your student's appetite for exploration by combining blocks to form new colors and sounds, or stack the blocks in a different order each time to form new and exciting shapes. Smooth hardwood frames with primary colored acrylic windows. Sized to standard unit block measurements. Features plexi inner with colored sand.

Applied design, skills and technologies; Building; Color; Geometry; Maker spaces; Math; Mathematics–Manipulatives; Numeracy; Shapes–Study and teaching (Primary); Structures

Scratch animation kit
38108 TE
PIJ SI
Scratch is a visual programming language and online community targeted primarily at children. Users of the site can create online projects using a block-like interface. The service is developed by the MIT Media Lab, has been translated into 70+ languages, and is used in most parts of the world. This kit includes Scratch Cards which provide instructions to complete a series of programming activities as well as a collection of USB mice to assist with using the Scratch interface.

Applied design, skills and technologies; Coding; Math; Mathematics; Numeracy; Science; Technology

Seeing symmetry
38206 BK
PIJ 32 p. 2012 Holiday House
written and illustrated by Loreen Leedy.
This book introduces the concept of symmetry and discusses how it appears in the world. It uses natural objects, man-made objects, and geometric designs to illustrate horizontal, vertical, and rotational symmetry. It features brief text, numerous illustrations, activities, and a glossary.

Ratio and proportion; Symmetry (Mathematics); Symmetry–Pictorial works

Shimmering water rainbow blocks [8 pieces]
37714 KT
P
A great addition to the block play family. Smooth hardwood frames with acrylic windows and shimmering water interiors. Sized to standard unit block measurements. 4 rectangle and 4 half moon shapes. Features plexi inner with colored shimmering liquid.

Applied design, skills and technologies; Building; Color; Geometry; Maker spaces; Math; Mathematics–Manipulatives; Numeracy; Shapes–Study and teaching (Primary); Structures

Sir Cumference and the dragon of pi : a math adventure
38693 BK
PI 32 p. 1999 Charlesbridge
by Cindy Neuschwander ; illustrated by Wayne Geehan.
Radius, son of Sir Cumference, embarks on a quest to find the magic number known as pi in order to restore his father–who has been turned into a dragon–to his original shape.

Adventure fiction; Circle; Mathematical recreations; Mathematics; Pi; Geehan, Wayne,–ill

Sir Cumference and the first round table : a math adventure
33767 BK
PIJ 32 p. 1997 Charlesbridge
Cindy Neuschwander ; illustrated by Wayne Geehan.
A math adventure in which King Arthur finds the perfect shape for his table with the ideas of his wife and son, and the assistance of his knight, Sir Cumference.

Geometry; Shape; Geehan, Wayne,–ill

Sir Cumference and the Great Knight of Angleland : a math adventure
33769 BK
PI 32 p. 2001 Charlesbridge
by Cindy Neuschwander ; illustrated by Wayne Geehan.
To earn his knighthood, Radius must find and rescue a missing king. His father, Sir Cumference, and his mother, Lady Di of Ameter, give him a circular medallion, (a protractor), that he uses to find his way through a maze of many angles. (516)

Angles; Geometry; Mathematics; Geehan, Wayne,–ill

Sir Cumference and the sword in the cone : a math adventure
38692 BK
PIJ 32 p. 2003 Charlesbridge
by Cindy Neuschwander ; illustrated by Wayne Geehan.
Sir Cumference, Radius, and Sir Vertex search for Edgecalibur, the sword that King Arthur has hidden in a geometric solid.

Adventure fiction; Geometry; Mathematical recreations; Puzzles; Geehan, Wayne,–ill

STEAM stories
For descriptions see individual titles:
The picnic problem : (math) [38242]

Strong readers
For descriptions see individual titles:
Crossing the river [6 books] [35340]

Structures & bridge building kit
36371 KT
PI
This kit includes 7 K'nex bridge kits and wooden building materials to strengthen students understanding of science structures and math geometry concepts.

Applied design, skills and technologies; Architecture; Bridges; Building; Creative thinking; Geometry; Maker spaces; Math; Mathematics; Numeracy; Science; Structures

Sums & differences : teaching addition and subtraction in grades 2 & 3
41786 BK
PT 195 p. 2014 Carole Fullerton? by Carole Fullerton.
Provides a series of lessons, intended to be taught in order, for introducing, reinforcing, and mastering addition and subtraction of doubleand triple-digit numbers. Also features teaching tips, games, visuals, and blackline masters.
Mathematics–Study and teaching; Arithmetic–Study and teaching; Subtraction–Study and teaching; Subtraction–Problems, exercises, etc; Addition–Study and teaching; Addition–Problems, exercises, etc

Sums & differences : teaching addition and subtraction in grades 1 & 2
41789 BK
PT 143 p. 2013 Carole Fullerton by Carole Fullerton.
Provides a series of lessons, intended to be taught in order, for introducing, reinforcing, and mastering addition and subtraction of doubleand triple-digit numbers. Also features teaching tips, games, visuals, and blackline masters.
Mathematics–Study and teaching; Arithmetic–Study and teaching; Subtraction–Study and teaching; Subtraction–Problems, exercises, etc; Addition–Study and teaching; Addition–Problems, exercises, etc

Taking Shape Kit : Activities to Develop Geometric and Spatial Thinking (Sections: C, D & E)
40870 KT
P 2022
Research shows that children with good spatial skills perform better in mathematics overall.
Visual perception; Shape–Study and teaching; Mathematics–Study and teaching; Creative activities; Teaching–Aids and devices; Geometry–Study and teaching

Taking Shape Kit : Activities to Develop Geometric and Spatial Thinking (Sections: A & B)
40853 KT
PIJ 2022
Activities to Develop Geometric and Spatial Thinking.
Geometry–Study and teaching; Geometry; Shapes–Study and teaching (Primary); Visual perception; Shape–Study and teaching (Primary); Mathematics–Study and teaching; Creative activities; Teaching–Aids and devices

Tally O'Malley
38240 BK
PI 2004
by Stuart J. Murphy ; illustrated by Cynthia Jabar.
MathStart. Level 2 Series - On a car trip to the beach, the O'Malley family children compete by playing games together.
Addition; Counting; Jabar, Cynthia,–illustrator

Tangrams class set
28629 KT
P

Tangrams class set with books
38119 KT
P
Use story books with tangrams to enhance learning. Includes a class set of tangrams. (Set of 25)
Math; Math–Study and teaching (Elementary); Mathematics–Study and teaching (Primary); Mathematics–Manipulatives; Numeracy; Shape; Shape–Study and teaching; Tangrams

Teaching math language and algebra with number tiles: intermediate
35885 KT
PI
Marcy Cook
This kit has units on place value and number sense, algebraic communicating with tiles, fing x - algebra beginnings, and communicating with tiles.
Algebra; Math; Mathematics; Numeracy

Teaching math language and algebra with number tiles: primary
35888 KT
P
Marcy Cook
This kit has units on early communicating with tiles and Find the X tile.
Algebra; Math; Mathematics; Numeracy

Ten black dots
38203 BK
PJ 1986 Greenwillow Books
Donald Crews.
A counting book which shows what can be done with ten black dots–one can make a sun, two a fox's eyes, or eight the wheels of a train.
Counting; Stories in rhyme

Ten frame kit
38161 KT
PI
Giant magnetic Ten-Frames and colorful discs allow students and teachers to engage with base ten and other number and operations skills (addition and subtraction) as a group. Includes mats.
Addition; Arithmetic; Counting; Math; Math–Study and teaching (Elementary); Mathematics; Mathematics–Study and teaching; Numbers; Numeracy; Subtraction

Ten magic butterflies
38232 BK
PJ 2018
Danica McKellar ; illustrated by Jennifer Bricking.
One by one, ten flowers ask a fairy to turn them into butterflies for a night of magical flying, demonstrating to readers the different ways to group numbers to create ten.
Arithmetic; Butterflies–Fiction; Counting; Fairies–Fiction; Flowers–Fiction; Magic–Fiction; Stories in rhyme; Bricking, Jennifer,–illustrator

Tessellations : how to create them
16392 KT
IJ 27 pce 1999 Crystal Productions
Jim McNeil.
Basic tessellation concepts and examples of historic tessellations are provided. Step by step demonstration shows how basic math skills, translation, rotation and reflection are integrated into art. (769.92)
Art; Math; Mathematics; Numeracy; Printmakers–Study and teaching; Escher, Alfred–1819-1882

Théorie et problèmes pour les mathematiques 9
42079 BK
391 p. 2009 Crescent Beach Publishing
R.J. Mickelson, P. Mickelson.
Écrit pour être utilisé comme ressource pédagogique principale. Contient une explication complète du sujet pour chaque section. Plus de 300 exemples de questions détaillés. Des centaines de problèmes pratiques avec des réponses et des solutions étape par étape si nécessaire. – fourni par l'éditeur.
Mathématiques–Étude et enseignement; Mathématiques–Problèmes et exercices

Theory and problems for foundations of mathematics 11
42075 BK
S 372 p. 2009 Crescent Beach Publishing
R.J. Mickelson.
Written to be used as a primary teaching resource. Contains a comprehensive explanation of the subject for each section. Over 300 detailed example questions. Hundreds of practice problems with answers and

step by step solutions where necessary. –Provided by publisher.

Mathematics–Study and teaching; Mathematics–Problems, exercises, etc

Theory and problems for foundations of mathematics and pre-calculus 10
42073 BK
JS 369 p. 2009 Crescent Beach Publishing
R.J. Mickelson, P. Mickelson.
Written to be used as a primary teaching resource. Contains a comprehensive explanation of the subject for each section. Over 300 detailed example questions. Hundreds of practice problems with answers and step by step solutions where necessary. –Provided by publisher.

Mathematics–Study and teaching; Mathematics–Problems, exercises, etc; Mickelson, P.,–author

Theory and problems for mathematics 8
42077 BK
IJ 391 p. 2009 Crescent Beach Publishing
R.J. Mickelson, P. Mickelson.
Written to be used as a primary teaching resource. Contains a comprehensive explanation of the subject for each section. 364 detailed example questions. Hundreds of practice problems with answers and step by step solutions where necessary. –Provided by publisher.

Mathematics–Study and teaching; Mathematics–Problems, exercises, etc; Mickelson, P.,–author

Theory and problems for mathematics 9
42060 BK
IJ 415 p. 2016 Crescent Beach Pub
R.J. Mickelson, P. Mickelson.
The New Third Edition has been released to correspond with the 2016 B.C. curriculum changes. New Topics for the Third Edition include:Finance: Income (salary, commission, wages, piecework), Simple Interest, Compound Interest, Budget (developing a budget, building credit). Reasoning: Inductive reasoning for specific and n th terms, Deductive Reasoning, Puzzles and Games of strategy. Probability and Statistics: Population vs. Samples, Central Tendency, Misleading Graphs, Probability. All exercises come complete with answers. All word problems come with step by step solutions, including detailed illustrations when necessary.

Mathematics–Study and teaching; Mathematics–Problems, exercises, etc; Mickelson, P; Mathematics–Textbooks

Theory and problems for pre-calculus 11
42080 BK
S 421 p. 2009 Crescent Beach Publishing
R.J. Mickelson, P. Mickelson.
Contains detailed example questions. Hundreds of practice problems with answers and step by step solutions where necessary.

Calculus–Study and teaching–Textbooks; Calculus–Problems, exercises, etc; Mickelson, P.,–author; Mathematics

Theory and problems for pre-calculus 12
42081 BK
S 480 p. 2009 Crescent Beach Publishing
R.J. Mickelson.
"Written to be used as a primary teaching resourceContains a comprehensive explanation of the subject for each section. Over 400 detailed example questionsHundreds of practice problems with answers and step by step solutions and diagrams where necessary. Space is given for each practice question to complete the problem, and keep the work organized all in one place." -ebsbooks.com.

Calculus–Study and teaching–Textbooks; Calculus–Problems, exercises, etc; Mathematics

This book thinks you're a math genius
38243 BK
PI 2017
text by Georgia Amson-Bradshaw ; illustrations by Harriet Russell.
"This fill-in book helps children to think like mathematicians by introducing ... key areas of math: geometry, space and volume, statistics, numbers and number patterns, codes and ciphers, and the concept of infinity. Each spread centers on an open-ended question that introduces a key mathematical concept and suggests activities that engage the child in a fun way. Activities include reading minds with math, having a eureka moment, and playing mathematical guess who. The end of the book includes a section of paper-based crafts"–OCLC.

Mathematics; Mathematics–Problems, exercises, etc; Russell, Harriet,–1977—illustrator

Tower of Hanoi
38627 KT
IJ
Mathematics puzzle at three different levels, challenge students to apply problem solving skills.

Math; Mathematics; Numeracy; Problem solving; Puzzles

Tree blocks [24 blocks]
38651 KT
P
Includes 24 smooth, natural wood blocks ideal for classroom use. Suitable for block play, math concepts, building principles, physical balance, coordination and spacial reasoning.

Applied design, skills and technologies; Building; Early childhood education; Math; Mathematics; Numeracy; Shapes–Study and teaching (Primary); Structures

Tree blocks [34 blocks]
37487 KT
P
Includes 34 smooth, natural wood blocks ideal for classroom use. Suitable for block play, math concepts, building principles, physical balance, coordination and spacial reasoning.

Applied design, skills and technologies; Building; Early childhood education; Math; Mathematics; Numeracy; Shapes–Study and teaching (Primary); Structures

Understanding base ten
38165 KT
P
Helps students understand base ten using story books, big books, base ten blocks and a game.

Counting; Decimal system; Math; Math–Study and teaching (Elementary); Math games; Mathematics; Mathematics–Study and teaching; Numeracy

Visual guide to math
38241 BK
PIJ 2018
written by Karen Wilding.
". . . a visual guide [to] basic math operations, including counting, measuring, and shapes"–OCLC.

Mathematics; Mathematics–Pictorial works

What do you do with a problem?
37266 BK
PI 34 p. 2016
written by Kobi Yamada ; illustrated by Mae Besom.
When a problem becomes too big from worrying about it, a child decides to face the problem and learns that problems can make us stronger.

Applied design, skills and technologies; Creative ability–Fiction; Critical thinking; Personal awareness and social responsibility; Problem solving–Fiction; Besom, Mae,–illustrator

What in the world? : numbers in nature
38236 BK
PI 2015
Nancy Raines Day ; illustrated by Kurt Cyrus.
"A rhyming nonfiction picture book that explores the numerical sets–one tail, two paws, four legs, etc.–that occur throughout the natural world."–Provided by publisher.

Counting; Nature; Number concept; Cyrus, Kurt,–illustrator

What shape is it?
38227 BK
PI 2017
Jackie Walter.
My first maths Series - "The shape of the moon, the shapes of the stones all around. Let's see what other shapes we can discover in nature"–Provided by publisher.

Easy reading materials; Geometry; Shape

What to look for : understanding and developing student thinking in early numeracy
37585 BK
PT 215 p. 2015 Pearson Canada
Alex Lawson.
"Good instruction is integral to developing student thinking and learning and this resources provides a wide variety of easy-to-implement classroom activities that build childrens number sense and early computation skills. This resource was written in response to teacher requests. They wanted better insight into childrens mathematical development. This is the resource that will help them know: What does this childs thinking tell me about what he or she understands? ; Where does this childs mathematical thinking lie on a framework of primary numeracy development? ; What questions can I ask, or what activities can I do, to help this child move to the next phase?."–Publisher's website.

Early childhood education; Educational evaluation; Mathematics–Study and teaching; Thought and thinking–Study and teaching

What's your angle Pythagoras? : a math adventure
38691 BK
PI 2004 Charlesbridge
by Julie Ellis ; illustrated by Phyllis Hornung.
In ancient Greece, young Pythagoras discovers a special number pattern (the Pythagorean theorem) and uses it to solve problems involving right triangles. This is a fictional story containing factual information on ratios and proportions.

Geometry; Geometry–Fiction; Pythagorean theorem; Pythagorean theorem–Fiction; Peacock, Phyllis Hornung,–ill; Pythagoras–Fiction

Which one doesn't belong? : a shapes book
38725 BK
PIJST 2016
Christopher Danielson.
This book asks you the same question for every page of shapes. Then, it suggests that every answer can be correct -based on perspective. Can you back up your answer with a reason? Some pages are more challenging than others; good luck! See also it's companion, "Which one doesn't belong? : a teacher's guide".

Geometry–Problems, exercises, etc; Geometry–Study and teaching; Shape–Problems, exercises, etc; Shape–Study and teaching; Accompanied by:–Danielson, Christopher.–Which one doesn't belong

Zero
38707 BK
P 2010 KO Kids Books
by Kathryn Otoshi.
Zero, dismayed by her big, empty, roundness, tries to force herself into the shape of the much-admired One, but must finally accept that she can only be Zero.

Counting; Courage–Fiction; Social skills–Fiction; Values–Fiction