

Read Book Numicon Shapes
Actual Size

Numicon Shapes

Actual Size

This Binder is the full set of teaching materials to support Numicon Kit 1.
Pupil Book x 15 Pupil Book Answers x 1
Numicon Pupil Books provide

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independent practice with in-depth, open questioning to challenge pupils at Key Stage 2, deepen conceptual understanding and develop mastery. Numicon Pupil Books are fully linked to the Numicon Teaching Resource Handbooks and have been tried and

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tested in the classroom.

A man made of leaves blows away, traveling wherever the wind may take him, in a fresh, autumn tale with illustrations made from actual fall leaves and die-cut pages on every spread that reveal gorgeous landscape

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vistas. Jr Lib Guild.

Arts-Based Methods in Education

Around the World aims to investigate arts-based encounters in educational settings in response to a global need for studies that connect the cultural, inter-cultural, cross-cultural, and global

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elements of arts-based methods in education. In this extraordinary collection, contributions are collected from experts all over the world and involve a multiplicity of arts genres and traditions. These contributions bring together diverse cultural and

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educational perspectives and include a large variety of artistic genres and research methodologies. The topics covered in the book range from policies to pedagogies, from social impact to philosophical conceptualisations. They are informative on specific topics, but

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also offer a clear monitoring of the ways in which the general attention to the arts in education evolves through time.

20 Hungry Piggies

What Works for Children with
Mathematical Difficulties?

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Williams Syndrome Holistic
Educational Strategies
Inspire Maths: Getting Started Guide 5
Reese's Pieces Count by Fives
Teaching Number Skills to Children
with Down Syndrome Using the
Numicon Foundation Kit

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This fourth edition of the bestselling Mathematics in Early Years Education provides an accessible introduction to the teaching of mathematics in the early years. Covering all areas of mathematics – number and counting, calculation,

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pattern, shape, measures and data handling – it provides a wide range of practical activities and guidance on how to support young children's mathematical development. There is also guidance on managing the transition to KS1 and a strong

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emphasis throughout on creating home links and working in partnership with parents. This new edition has been fully updated to incorporate the latest research and thinking in this area and includes: why mathematics is important as a

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**way of making sense of the world
how attitudes to mathematics can
influence teaching and learning how
children learn mathematics and
what they are capable of learning
how technology can support maths
teaching maths phobia and the**

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**impact society has on maths teaching
material on sorting, matching and
handling data the importance of
educating about finance in today's
world ideas for observation and
questioning to assess children's
understanding examples of planned**

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activities suggestions for language development assessment criteria. This textbook is ideal for those training to be teachers through an undergraduate or PGCE route, those training for Early Years Professional Status and those studying early

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childhood on foundation or honours degrees, as well as parents looking to explore how their young children learn mathematics. This will be an essential text for any early years practitioner looking to make mathematics interesting, exciting

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**and engaging in their classroom.
A funny, touching picture book from
Children's Laureate, and Charlie
and Lola creator, Lauren Child. Rat
lives in dustbin Number 3, Grubby
Alley. At night, when he's tucked up
in his crisp packet, Rat looks up at**

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**all the cosy windows and wonders
what it would be like to belong to
somebody. To be an actual pet. To
have a home of his own . . . Gently
exploring themes of homelessness
and poverty, this is the perfect way
to talk about this often tricky subject**

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with young children and encourage them to empathise with others. At least 10% of the purchase price of every copy of That Pesky Rat sold will be donated to St Mungo's Broadway, a charity providing help, support and advice to people who are

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**homeless or at risk of homelessness.
'Clever, rewarding and hugely
enjoyable' Guardian 'Another little
masterpiece from Lauren Child'
Mail on Sunday Winner of the Nestle
Children's Book Prize Gold Award
Inspire Maths is a whole-school**

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primary maths programme that provides everything you need to support a mastery approach. This Getting Started Guide contains guidance on how to plan, teach and assess with Inspire Maths and how the programme helps to raise

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standards in the teaching and learning of mathematics.

In this fun, fact-packed science book for kids, young readers will discover the bacteria, viruses, and other germs and microbes that keep our bodies and our world running, as

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well as how and when they can be harmful and the precautions we can take to prevent them from becoming so. Meet a glowing squid, traveling fungus spores, and much more. The Bacteria Book walks the line between "ew, gross!" and "oh, cool!",

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exploring why we need bacteria and introducing readers to its microbial mates-viruses, fungi, algae, archaea, and protozoa. The Bacteria Book is a fun and informative introduction to a STEM subject that brings kids up-close to the big world of tiny science.

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With remarkable photography, kooky character illustrations, and lots of fun facts, this book uses real-life examples of microbiology in action to show how tiny microbes affect us in big ways.

A Guide for Teachers of Children

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3-8

**The Terrifying Truth! about
Vampires, Ghosts, Monsters, and
More**

The Bacteria Book

**Developing Mathematical Practices
and Deepening Understanding,**

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Grades 4-10

Ridiculous Dietary Allowance

Arts-Based Methods in Education

Around the World

Sudoku fans will welcome this bright new twist to the popular puzzles! Every one of these

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ingenious creations?from ?Bold X” to ?Rainbow Up” ?makes colors and patterns part of the solving fun. And although each puzzle maintains the normal 9x9 grid and follows the basic rules of the game, every style adds an additional restriction to

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intensify the challenge. In “Worms,” for example, swirly, squirmy shapes fill the grids; the numbers increase as you work your way from head to tail. “Even/Odd” features squares in two colors, depending on whether the number to fill it is even

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or odd. And in "Positional Board," no two of the red squares can be the same number. They're all lots of fun!

Lecturers, why waste time waiting for the post arrive? Request your e-inspection copy today! 'This book

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was a delight to read. The mathematical content is excellent and the approach to explaining complex concepts is exceptionally good!' -Dr Jennifer Way, University of Sydney 'I'm a really big fan of this book: it is the single most

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influential text in my experience of working with primary maths teachers in the last 12 years' - Andy Tynemouth, Every Child Counts National Adviser, Edge Hill University 'Every teacher of maths should read this book! It helped me

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realize why some children are struggling with doing simple word problems' -Amazon reader review If you are a teacher or student teacher in a nursery or primary school, you need a secure understanding of the mathematical

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ideas behind the material you will use in the classroom. To help young children develop their understanding of mathematics, you need to develop your own understanding of how mathematics is learnt. In this indispensable book,

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the authors help you to understand mathematical concepts and how children come to understand them, and also help develop your own confidence with mathematical activities. Each chapter of this book includes: -Real-life examples and

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illustrations from children and teachers in the classroom -The research behind some of the concepts and teaching approaches discussed -Pauses to reflect and discuss your own mathematical knowledge and experience -Age-

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appropriate classroom activities to try with your class or group.

20 Numicon 1-shapes, useful for activities or to replace lost shapes.

Not suitable for children under 36 months due to small parts.

Beloved siblings Charlie and Lola

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are back -- on a quest to find Lola's version of the perfect dog, which seems suspiciously un-doglike. At the moment, all Lola can talk about is dogs. She says she would like one more than anything you could think of. "More than a squirrel or an

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actual fox," she says. Sometimes she pretends to be a dog. And sometimes she pretends that her brother, Charlie, is a dog. The two of them love to talk about what sort of dog they would choose if Mom and Dad didn't always say,

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"ABSOLUTELY NO DOGS!" Dad says he'll take Lola to the pet store to choose a rabbit, but Lola insists that she only wants a dog, an extremely furry dog with a wiggly nose, a puffy tail, and nice ears. . . . Fans old and new will cotton to this

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humorous Charlie and Lola
adventure sure to please any child
who ever longed for the ideal pet.

Mathematics in Early Years

Education

Spectrum Algebra

Wishes

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A Guide for Teachers of Children
3-7

From the Laboratory to the
Classroom

Numicon

***This comprehensive volume
provides teachers,***

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***researchers and education
professionals with cutting
edge knowledge developed in
the last decades by the
educational, behavioural and
neurosciences, integrating
cognitive, developmental and***

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socioeconomic approaches to deal with the problems children face in learning mathematics. The neurocognitive mechanisms and the cognitive processes underlying acquisition of

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arithmetic abilities and their significance for education have been the subject of intense research in the last few decades, but the most part of this research has been conducted in non-applied

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settings and there's still a deep discrepancy between the level of scientific knowledge and its implementation into actual educational settings. Now it's time to bring the results from the laboratory to

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the classroom. Apart from bringing the theoretical discussions to educational settings, the volume presents a wide range of methods for early detection of children with risks in mathematics learning

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and strategies to develop effective interventions based on innovative cognitive test instruments. It also provides insights to translate research knowledge into public policies in order to address

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socioeconomic issues. And it does so from an international perspective, dedicating a whole section to the cultural diversity of mathematics learning difficulties in different parts of the world. All of this

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***makes the International
Handbook of Mathematical
Learning Difficulties an
essential tool for those
involved in the daily struggle
to prepare the future
generations to succeed in the***

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***global knowledge society.
Essential guide for teaching
children aged 3-7, developing
knowledge of key
mathematical ideas and
concepts in the nursery and
primary classroom.***

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These durable flash cards from Eric Carle best-selling author of *The Very Hungry Caterpillar*, *Brown Bear Brown Bear*, and many others feature his beloved animal illustrations and serve as a

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delightful introduction to counting. The thick, sturdy cards are durable enough for play and decorative enough to hang on the wall. Includes two sets of the numbers 1-10.

'What a super book! It is

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absolutely packed with practical ideas and activities to help you love maths, and love teaching and/or learning it. It certainly helps to develop an enthusiasm for a subject most adults tend to say "I'm

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***no good at..." - Early Years Educator 'A wonderful book, packed with practical ideas and activities to help all students love maths.'* - Jo Boaler, Professor of Mathematics Education,**

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Stanford University Fostering an enthusiasm for mathematics in young children is a vital part of supporting their mathematical development. Underpinned by subject and pedagogical

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knowledge, case studies and research-based perspectives, the authors provide clear guidance on how to support young children's learning and understanding in an effective and engaging way.

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Contemporary approaches to developing essential mathematical learning for young children are explored, including: play, practical activities and talk for mathematics outdoor learning

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***understanding pattern
counting, calculation and
place value measures and
shape problem solving and
representing mathematics
assessment working with
parents. Written for both***

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***trainees and practitioners
working with children aged 0
to 8 years, including those
studying for Early Years and
Early Childhood degrees and
those on Primary PGCE and
Primary Education courses,***

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***this book offers mathematical
subject knowledge and
teaching ideas in one volume.
Helen Taylor is Course Leader
of PGCE Primary Part-time
Mathematics at Canterbury
Christ Church University.***

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***Andrew Harris is Course
Leader of PGCE Modular
Mathematics at Canterbury
Christ Church University.
Numicon: Display Number
Line***

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Modern Plus Sign Quilts

A Dog with Nice Ears

***International Handbook of
Mathematical Learning***

Difficulties

More Trouble with Maths

This is a fun, uncomplicated

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book for any EQ8 user. In your busy lifestyle, you probably don't have the time to sit at the computer and take a long look at every block in the EQ8 Library. This book offers an escape from the computer to a

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**world of inspiration. So
between meetings, soccer
games or whatever fills your
life, flip through the pages of
this visually appealing book
and simply enjoy the view, or
use it to plan the blocks you'll**

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**use in your next quilt. All
6,700+ blocks are organized by
category and style, just as
they appear in EQ8. Each is
named, illustrated and
indexed. Use this book to find
the blocks you want to use for**

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your next EQ8 project. It's so easy to use the Block Library Search tools to quickly find the blocks in EQ8 software. Add to your quilting repertoire with the universally popular plus sign! These 16 bold,

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graphic designs range from modern to traditional, with something for every skill level and style. Detailed instructions and illustrations walk confident beginners and intermediate quilters through

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traditional piecing, paper piecing, and fusible machine appliqué to create baby quilts, throw quilts, bed quilts, and more. Use your favorite types of fabric—solids, prints, precuts, or scraps—to make the

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projects your own.

The mathematics curriculum in primary school includes learning about number and calculation, shape, size, quantity and measurement, time and money. Learning in

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children's pre-school years introduces them to the ideas and language for helping them to learn about mathematics. Young children's first understanding of number and other mathematical concepts

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comes from their experiences with people and items in their environment. Language is an essential part of learning about mathematics as it provides the tools for thinking about, comparing and

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manipulating sets of objects and activities, and relating these to a number system. Young children with Down syndrome experience delay in language learning, in auditory short term memory

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development and may have less experience of manipulating or playing with objects, but have strengths in learning visually. With focused language teaching, repetition and visual teaching

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approaches, they can learn the language for numbers and mathematics. Number games should be interesting and allow for exploration and fun, making number skills meaningful to everyday life

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and the child's environment. Some children will learn in very small steps, with each aspect broken down for them, taught and practised, other children will develop skills more quickly, after they

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have been helped to learn about numbers using visual aids, through good teaching and from multi-sensory learning experiences. This module provides examples for everyday social interaction,

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**language teaching and games
that can help to develop early
number and maths skills,
beginning with nursery
rhymes, songs, play and
words, introducing activities
from one year of age up until**

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**the child goes to school.
Vocabulary lists for maths
concepts that will be useful for
parents of children to early
school age are included. This
module should be read in
conjunction with Number**

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**skills for individuals with
Down syndrome - An
overview. DSii-09-01]
When Gregor learns the
ancient prophecy foretelling
his death, he must gather his
courage to defend Regalia and**

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**take his mother and sister
home safely.**

**Numicon: Extra Numicon
1-shapes**

Making Number Talks Matter

A Number Book

Encyclopedia Horrifica

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Leaf Man Beating Bureaucracy in Special Educational Needs

Are you overwhelmed by the amount of paperwork that SEN generates in your school?
Would you like to spend more

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time actually improving the quality of teaching and learning for pupils with SEN or disabilities? If so, this is an essential book for you. Fully revised and updated for the 2014 SEN Code of Practice, this new

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edition contains strategies for reducing the number of individual education plans and review meetings. *Beating Bureaucracy in Special Educational Needs* will help you to use existing systems for target setting,

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recording and planning - personalised systems that are used for all children as part of everyday teaching practices. It lists the intervention programmes that really work and showcases the work of four schools

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that have successfully developed ways of planning provision, working with parents, and supporting staff development. Ready-to-use proforma in the book are also available online, and include a model policy for

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Ofsted; strategy sheets for
all main types of SEN;
provision maps and proformas
to help you plan, monitor
and evaluate your provision
Beating Bureaucracy in
Special Educational Needs
will provide support for

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school leaders, SENCOs and anyone undertaking the national SENCO award. A practical and engaging guide, this new and updated edition shows how to put responsibility for supporting children with

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most types of additional need firmly back where it belongs - with class and subject teachers. It will help you - in the words of one SENCO - 'get your life back'.

This booklet documents our

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school district's
collaborative inquiry
project looking at how
Reggio-inspired practices
can inform and enhance
primary mathematics teaching
and learning.

Many people consuming RDA

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levels of vitamins are likely to suffer from deficiency disease and premature death. Current official recommendations for nutrient intakes are inappropriate. As this book demonstrates, the

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recommended dietary intake for vitamin C owes more to politics and prejudice than to science. Furthermore, the research behind the RDA values for vitamin C is biased and insubstantial. This book presents an open

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challenge to the government "experts," who support the out-of-date RDA approach to nutrition and thereby endanger the health of the entire population. For people who value the peer review process, this book

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was read by thousands,
including doctors and
scientists. The readers
reported no significant
scientific errors. The
authors therefore assert
that the RDA and the Codex
justification for low

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intakes of vitamin C are both invalid and indefensible.

This Binder is the full set of teaching materials to support Numicon Kit 2.

An Illustrated Guide to the EQ8 Library Blocks

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EQ8 Block Library

Numicon: Bag of Numicon
Shapes 1-10

Math Instruction for
Students with Learning
Difficulties

Helping SENCOs maintain a
work/life balance

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Color Sudoku

The Encyclopedia of Mathematics

Education is a comprehensive reference text, covering every topic in the field with entries ranging from short descriptions to much longer pieces where the topic warrants more elaboration. The entries provide access to theories and to research

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in the area and refer to the leading publications for further reading. The Encyclopedia is aimed at graduate students, researchers, curriculum developers, policy makers, and others with interests in the field of mathematics education. It is planned to be 700 pages in length in its hard copy form but the text

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will subsequently be up-dated and developed on-line in a way that retains the integrity of the ideas, the responsibility for which will be in the hands of the Editor-in-Chief and the Editorial Board. This second edition will include additional entries on: new ideas in the politics of mathematics education, working with minority students,

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mathematics and art, other cross-disciplinary studies, studies in emotions and mathematics, new frameworks for analysis of mathematics classrooms, and using simulations in mathematics teacher education. Existing entries will be revised and new entries written. Members of the international mathematics education

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research community will be invited to propose new entries. Editorial Board:
Bharath Sriraman Melony Graven
Yoshinori Shimizu Ruhama Even Michele
Artigue Eva Jablonka Wish to Become an
Author? Springer's Encyclopedia of
Mathematics Education's first edition was
published in 2014. The Encyclopedia is a

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"living" project and will continue to accept articles online as part of an eventual second edition. Articles will be peer-reviewed in a timely manner and, if found acceptable, will be immediately published online. Suggested articles are, of course, welcome. Feel encouraged to think about additional topics that we overlooked the

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first time around, and to suggest colleagues (including yourself!) who will want to write them. Interested new authors should contact the editor in chief, Stephen Lerman, at lermans@lsbu.ac.uk, for more specific instructions.

Each number from 0-21 is marked with the Numicon Shape (real size) and number

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word. Printed on card and laminated.
Supplied in three sections. Total length
286cm.

Different kinds of trucks moving Reese's
Pieces show how to count to 100.

With the help of Spectrum Algebra for
grades 6 to 8, your child develops problem-
solving math skills they can build on. This

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standards-based workbook focuses on middle school algebra concepts like equalities, inequalities, factors, fractions, proportions, functions, and more. Middle school is known for its challenges—let Spectrum ease some stress. Developed by education experts, the Spectrum Middle School Math series strengthens the

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important home-to-school connection and prepares children for math success. Filled with easy instructions and rigorous practice, Spectrum Algebra helps children soar in a standards-based classroom!

Featuring Charlie and Lola

Deeper Learning, Dialogic Learning, and
Critical Thinking

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That Pesky Rat

Numicon: Kit 1 Teaching Guide

Reggio-Inspired Mathematics

Learning and Teaching Mathematics 0-8

Deeper learning, dialogic learning,
and critical thinking are essential
capabilities in the 21st-century

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environments we now operate. Apart from being important in themselves, they are also crucial in enabling the acquisition of many other 21st-century skills/capabilities such as problem solving, collaborative learning, innovation, information

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and media literacy, and so on. However, the majority of teachers in schools and instructors in higher education are inadequately prepared for the task of promoting deeper learning, dialogic learning, and critical thinking in their

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students. This is despite the fact that there are educational researchers who are developing and evaluating strategies for such promotion. The problem is bridging the gap between the educational researchers' work and what gets conveyed to teachers

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and instructors as evidence-based, usable strategies. This book addresses that gap: in it, leading scholars from around the world describe strategies they have developed for successfully cultivating students' capabilities for

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deeper learning and transfer of what they learn, dialogic learning and effective communication, and critical thought. They explore connections in the promotion of these capabilities, and they provide, in accessible form, research

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evidence demonstrating the efficacy of the strategies. They also discuss answers to the questions of how and why the strategies work. A seminal resource, this book creates tangible links between innovative educational research and classroom

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teaching practices to address the all important question of how we can realize our ideals for education in the 21st century. It is a must read for pre-service and in-service teachers, teacher educators and professional developers, and

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educational researchers who truly care that we deliver education that will prepare and serve students for life.

Making Number Talks Matter is about the myriad decisions facing teachers as they make this fifteen-

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minute daily routine a vibrant and vital part of their mathematics instruction. 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

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solid foundation for the study of mathematics. This book will be an invaluable resource whether you are already using Number Talks or not; whether you are an elementary, middle school, high school, or college teacher; or even if you are a

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parent wanting to support your child with mathematics. Using insight gained from many years of doing Number Talks with students of all ages, Cathy and Ruth address questions to ask during Number Talks, teacher moves that turn the

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thinking over to students, the mathematics behind the various strategies, and ways to overcome bumps in the road. If you've been looking for ways to transform your mathematics classroom--to bring sense-making and divergent thinking

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to the foreground, to bring the Standards for Mathematical Practice to life, and to bring joy back into your instruction--this book is for you.

Designed so that each child can have a set of shapes to lay out in

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front of them and then use to respond to questions in class teaching. Not suitable for children under 36 months due to small parts. Nearly everyone has heard about the little piggy that went to the market and the one that stayed hom

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but there's a lot more to the story! 20 Hungry Piggies completes the tale while, unbeknownst to the reader, teaching an important math concept at the same time. There are many counting books that deal with cardinal numbers (1,2,3,etc), but

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this book teaches ordinal numbers as well-an important part of the kindergarten math curriculum. As an added bonus, children will have a great time trying to find the hidden wolf and hidden numbers in each spread.

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The Promises, Opportunities and
Problems of Trials in Education
The Trials of Evidence-based
Education

16 Dynamic Projects, A Variety of
Techniques

Encyclopedia of Mathematics

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Education

Research-based Strategies for the
Classroom

A Complete Manual to Identifying
and Diagnosing Mathematical
Difficulties

Numicon: Display Number

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LineOUP Oxford
Teaching mathematics to young children in creative ways is made easy with this second edition of a wonderful book, which offers the reader clear advice and

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lots of exciting ideas to use in any early years setting. By showing how to introduce mathematical concepts through play-based activities, this book is in tune with current thinking about

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best practice in teaching,
and with the requirements of
the Early Years Foundation
Stage and current Primary
National Strategy. New
material includes: - an
additional chapter on

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creative recording - a whole new chapter on ways to involve parents - discussion of policy throughout the UK - more on using ICT - case studies covering the whole birth to eight age range

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Essential reading for any practitioner who wants to develop their mathematics teaching, this book is equally important for all trainee teachers and early years students. Kate Tucker is an

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early years teacher, trainer and writer based in Exeter; she has over 20 years of experience, and has written widely on early years mathematics and Foundation Stage practice.

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More Trouble with Maths acknowledges that there are many reasons why children and adults are unable to function mathematically. Difficulties include problems with rote learning basic facts

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and procedures, debilitating anxiety, poor working and short-term memories and mathematics vocabulary. Central to this new edition is a range of standardised tests and diagnostic activities,

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including a 15 minute test of basic mathematics, a thinking style test, tests of basic fact retrieval and maths anxiety. Guiding the reader in the interpretation of tests, this new edition

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shows how identifying the barriers to learning is the first step in a programme of intervention. Written in an engaging and user-friendly style, Steve Chinn draws on his extensive experience and

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expertise to: show how to
consider and appraise the
many factors relating to
mathematical learning
difficulties explain how these
factors can be investigated
explore their impact on

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learning mathematics.
Emphasising the need for a
clinical approach when
assessing individuals, this
book shows how diagnosis
and assessment can become
integrated into everyday

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teaching. This highly practical and relevant resource is a crucial resource for anyone who wants to accurately and effectively identify the depth and nature of mathematical

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learning difficulties and
dyscalculia.

The Trials of Evidence-based
Education explores the
promise, limitations and
achievements of evidence-
based policy and practice, as

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the attention of funders
moves from a sole focus on
attainment outcomes to
political concern about
character-building and wider
educational impacts.

Providing a detailed look at

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and implications of over 20 studies conducted by the authors are combined with a much larger number of studies from their systematic reviews, and the implications are spelled out for the

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