

# MATH VIDEOS FOR 1ST GRADERS

**MATH VIDEOS FOR 1ST GRADERS** ARE AN ESSENTIAL RESOURCE IN EARLY CHILDHOOD EDUCATION, PROVIDING ENGAGING AND INTERACTIVE WAYS FOR YOUNG LEARNERS TO GRASP FUNDAMENTAL MATH CONCEPTS. THESE VIDEOS COMBINE VISUAL LEARNING, STORYTELLING, AND ANIMATION TO HELP 1ST GRADERS UNDERSTAND TOPICS SUCH AS ADDITION, SUBTRACTION, SHAPES, AND MEASUREMENT IN AN ENJOYABLE MANNER. WITH THE INCREASING USE OF DIGITAL CONTENT IN CLASSROOMS AND AT HOME, MATH VIDEOS HAVE BECOME A VALUABLE SUPPLEMENT TO TRADITIONAL TEACHING METHODS. THIS ARTICLE EXPLORES THE BENEFITS, TYPES, AND CHARACTERISTICS OF EFFECTIVE MATH VIDEOS FOR 1ST GRADERS, HELPING EDUCATORS AND PARENTS SELECT THE BEST MATERIALS FOR THEIR CHILDREN. ADDITIONALLY, THE ARTICLE OUTLINES STRATEGIES TO MAXIMIZE LEARNING OUTCOMES THROUGH THE USE OF THESE VIDEOS. THE FOLLOWING SECTIONS DELVE INTO THE KEY ASPECTS OF MATH VIDEOS TAILORED SPECIFICALLY FOR FIRST GRADE STUDENTS.

- BENEFITS OF MATH VIDEOS FOR 1ST GRADERS
- POPULAR TYPES OF MATH VIDEOS FOR 1ST GRADERS
- KEY FEATURES OF EFFECTIVE MATH VIDEOS
- HOW TO USE MATH VIDEOS TO ENHANCE LEARNING
- RECOMMENDED TOPICS COVERED IN MATH VIDEOS FOR 1ST GRADERS

## BENEFITS OF MATH VIDEOS FOR 1ST GRADERS

MATH VIDEOS FOR 1ST GRADERS OFFER NUMEROUS EDUCATIONAL ADVANTAGES THAT SUPPORT YOUNG LEARNERS IN DEVELOPING FOUNDATIONAL MATH SKILLS. THESE BENEFITS STEM FROM THE VISUAL AND AUDITORY STIMULATION THAT VIDEOS PROVIDE, WHICH CATERS TO VARIOUS LEARNING STYLES. INCORPORATING VIDEOS INTO MATH INSTRUCTION CAN MAKE ABSTRACT CONCEPTS MORE CONCRETE AND UNDERSTANDABLE FOR CHILDREN AT THIS DEVELOPMENTAL STAGE.

### ENGAGEMENT AND MOTIVATION

VIDEOS DESIGNED FOR 1ST GRADERS OFTEN INCLUDE COLORFUL ANIMATIONS, CATCHY SONGS, AND RELATABLE CHARACTERS THAT CAPTURE CHILDREN'S ATTENTION. THIS ENGAGEMENT BOOSTS MOTIVATION TO LEARN MATH CONCEPTS, MAKING LEARNING FEEL LIKE AN ENJOYABLE ACTIVITY RATHER THAN A CHORE. INCREASED MOTIVATION CAN LEAD TO BETTER RETENTION AND ENTHUSIASM FOR MATH.

### IMPROVED CONCEPTUAL UNDERSTANDING

VISUAL DEMONSTRATIONS IN MATH VIDEOS HELP STUDENTS SEE MATH IN ACTION. CONCEPTS SUCH AS COUNTING, SIMPLE ADDITION, AND SHAPE RECOGNITION BECOME CLEARER WHEN PRESENTED THROUGH ANIMATED EXAMPLES. THIS VISUAL REPRESENTATION SUPPORTS COMPREHENSION BEYOND WHAT VERBAL EXPLANATIONS ALONE CAN ACHIEVE.

### ACCESSIBILITY AND CONVENIENCE

MATH VIDEOS ARE ACCESSIBLE ON MULTIPLE DEVICES, ALLOWING CHILDREN TO LEARN AT THEIR OWN PACE AND REVISIT LESSONS AS NEEDED. THIS FLEXIBILITY IS BENEFICIAL FOR REINFORCING TOPICS AND PROVIDING ADDITIONAL PRACTICE OUTSIDE THE CLASSROOM ENVIRONMENT.

# POPULAR TYPES OF MATH VIDEOS FOR 1ST GRADERS

THERE IS A DIVERSE RANGE OF MATH VIDEOS AVAILABLE TO MEET THE LEARNING NEEDS OF 1ST GRADERS. EACH TYPE SERVES A DIFFERENT INSTRUCTIONAL PURPOSE, FROM INTRODUCING NEW CONCEPTS TO REVIEWING SKILLS OR PRACTICING PROBLEM-SOLVING.

## ANIMATED STORYTELLING VIDEOS

THESE VIDEOS USE NARRATIVES FEATURING ANIMATED CHARACTERS TO TEACH MATH CONCEPTS WITHIN A STORY CONTEXT. STORYTELLING HELPS CHILDREN RELATE MATH TO REAL-LIFE SITUATIONS, MAKING THE LEARNING EXPERIENCE MORE MEANINGFUL AND MEMORABLE.

## INSTRUCTIONAL TUTORIALS

STEP-BY-STEP TUTORIALS FOCUS ON EXPLAINING SPECIFIC MATH SKILLS SUCH AS ADDITION, SUBTRACTION, OR MEASUREMENT. THESE VIDEOS OFTEN INCLUDE CLEAR VOICEOVERS AND VISUAL AIDS TO GUIDE STUDENTS THROUGH PROBLEM-SOLVING PROCESSES.

## INTERACTIVE PRACTICE VIDEOS

SOME MATH VIDEOS INCORPORATE INTERACTIVE ELEMENTS WHERE CHILDREN ARE PROMPTED TO ANSWER QUESTIONS OR SOLVE PROBLEMS DURING THE VIDEO. THIS ACTIVE PARTICIPATION REINFORCES LEARNING AND PROVIDES IMMEDIATE FEEDBACK.

## SONG AND RHYME-BASED VIDEOS

MUSICAL VIDEOS USE CATCHY TUNES AND RHYMES TO TEACH MATH FACTS AND CONCEPTS, AIDING MEMORIZATION. THE REPETITION AND RHYTHM MAKE IT EASIER FOR YOUNG LEARNERS TO RECALL INFORMATION.

## KEY FEATURES OF EFFECTIVE MATH VIDEOS

NOT ALL MATH VIDEOS FOR 1ST GRADERS ARE EQUALLY BENEFICIAL. EFFECTIVE VIDEOS SHARE CERTAIN CHARACTERISTICS THAT MAXIMIZE EDUCATIONAL VALUE AND MAINTAIN THE ATTENTION OF YOUNG VIEWERS.

### AGE-APPROPRIATE CONTENT

THE CONTENT MUST BE TAILORED TO THE COGNITIVE LEVEL OF 1ST GRADERS, USING SIMPLE LANGUAGE AND RELATABLE EXAMPLES. CONCEPTS SHOULD BE PRESENTED IN MANAGEABLE SEGMENTS TO AVOID OVERWHELMING STUDENTS.

### CLEAR AND CONCISE EXPLANATIONS

EFFECTIVE VIDEOS PROVIDE STRAIGHTFORWARD EXPLANATIONS WITHOUT UNNECESSARY COMPLEXITY. VISUAL CUES AND DEMONSTRATIONS COMPLEMENT VERBAL INSTRUCTIONS TO ENHANCE UNDERSTANDING.

### ENGAGING VISUALS AND SOUND

HIGH-QUALITY ANIMATIONS, BRIGHT COLORS, AND LIVELY SOUND EFFECTS ATTRACT AND RETAIN THE ATTENTION OF YOUNG

CHILDREN. THESE ELEMENTS SHOULD SUPPORT, NOT DISTRACT FROM, THE EDUCATIONAL CONTENT.

## REPETITION AND REINFORCEMENT

REPETITION OF KEY CONCEPTS WITHIN THE VIDEO HELPS REINFORCE LEARNING. SUMMARIES AND REVIEW SEGMENTS ENABLE LEARNERS TO CONSOLIDATE THEIR UNDERSTANDING.

## POSITIVE AND ENCOURAGING TONE

THE TONE SHOULD BE FRIENDLY AND SUPPORTIVE, ENCOURAGING CHILDREN TO PERSIST THROUGH CHALLENGES AND CELEBRATE THEIR PROGRESS IN MATH SKILLS.

## HOW TO USE MATH VIDEOS TO ENHANCE LEARNING

INTEGRATING MATH VIDEOS FOR 1ST GRADERS EFFECTIVELY INTO TEACHING OR HOME LEARNING REQUIRES STRATEGIC APPROACHES TO MAXIMIZE BENEFITS AND FOSTER ACTIVE LEARNING.

## SUPPLEMENT, DON'T REPLACE TRADITIONAL INSTRUCTION

VIDEOS SHOULD COMPLEMENT CLASSROOM LESSONS OR PARENTAL TEACHING RATHER THAN SERVE AS THE SOLE INSTRUCTIONAL METHOD. THEY PROVIDE ADDITIONAL EXPLANATIONS AND PRACTICE OPPORTUNITIES THAT REINFORCE CORE LESSONS.

## ENCOURAGE ACTIVE VIEWING

ENGAGE CHILDREN DURING VIDEO SESSIONS BY PAUSING TO ASK QUESTIONS, PROMPTING PREDICTIONS, OR ALLOWING TIME FOR PROBLEM-SOLVING. ACTIVE PARTICIPATION ENHANCES COMPREHENSION AND CRITICAL THINKING.

## USE VIDEOS FOR REVIEW AND PRACTICE

MATH VIDEOS ARE USEFUL TOOLS FOR REVIEWING PREVIOUSLY LEARNED CONCEPTS AND PRACTICING SKILLS IN A LOW-PRESSURE ENVIRONMENT. REPEATED VIEWING CAN HELP SOLIDIFY UNDERSTANDING.

## CREATE A CONSISTENT LEARNING SCHEDULE

REGULARLY INCORPORATING MATH VIDEOS INTO A LEARNING ROUTINE HELPS BUILD STRONG FOUNDATIONAL SKILLS. CONSISTENCY ENSURES STEADY PROGRESS AND FAMILIARITY WITH MATH CONCEPTS.

## COMBINE VIDEOS WITH HANDS-ON ACTIVITIES

FOLLOW UP VIDEO LESSONS WITH RELATED HANDS-ON MATH ACTIVITIES OR WORKSHEETS. THIS MULTI-MODAL APPROACH CATERES TO DIFFERENT LEARNING STYLES AND DEEPENS CONCEPTUAL KNOWLEDGE.

# RECOMMENDED TOPICS COVERED IN MATH VIDEOS FOR 1ST GRADERS

MATH VIDEOS TARGETING 1ST GRADERS FOCUS ON ESSENTIAL MATH TOPICS ALIGNED WITH EARLY ELEMENTARY CURRICULA. THESE TOPICS ESTABLISH THE GROUNDWORK FOR MORE ADVANCED MATH LEARNING.

- **COUNTING AND NUMBER RECOGNITION:** VIDEOS TEACH COUNTING FROM 1 TO 100, RECOGNIZING NUMBERS, AND UNDERSTANDING NUMBER ORDER.
- **ADDITION AND SUBTRACTION:** BASIC ADDITION AND SUBTRACTION FACTS, USING VISUAL AIDS LIKE NUMBER LINES AND OBJECTS.
- **SHAPES AND GEOMETRY:** IDENTIFICATION AND PROPERTIES OF 2D AND 3D SHAPES, INCLUDING CIRCLES, SQUARES, TRIANGLES, AND CUBES.
- **MEASUREMENT:** CONCEPTS OF LENGTH, WEIGHT, AND TIME USING EVERYDAY EXAMPLES.
- **PATTERNS AND SORTING:** RECOGNIZING AND CREATING PATTERNS, CLASSIFYING OBJECTS BY ATTRIBUTES SUCH AS COLOR OR SIZE.
- **PLACE VALUE:** UNDERSTANDING TENS AND ONES AS A FOUNDATION FOR ARITHMETIC.

## FREQUENTLY ASKED QUESTIONS

### WHAT ARE THE BEST MATH TOPICS TO COVER IN VIDEOS FOR 1ST GRADERS?

THE BEST MATH TOPICS FOR 1ST GRADE VIDEOS INCLUDE BASIC ADDITION AND SUBTRACTION, COUNTING, NUMBER RECOGNITION, SIMPLE PATTERNS, SHAPES, AND MEASUREMENT CONCEPTS.

### HOW LONG SHOULD MATH VIDEOS FOR 1ST GRADERS BE?

MATH VIDEOS FOR 1ST GRADERS SHOULD IDEALLY BE BETWEEN 3 TO 7 MINUTES LONG TO MAINTAIN THEIR ATTENTION AND MAKE LEARNING ENGAGING WITHOUT OVERWHELMING THEM.

### ARE ANIMATED MATH VIDEOS EFFECTIVE FOR 1ST GRADE LEARNERS?

YES, ANIMATED MATH VIDEOS ARE HIGHLY EFFECTIVE FOR 1ST GRADERS AS THEY USE COLORFUL VISUALS AND ENGAGING STORYTELLING TO HELP CHILDREN UNDERSTAND AND RETAIN MATH CONCEPTS BETTER.

### CAN INTERACTIVE MATH VIDEOS HELP 1ST GRADERS LEARN BETTER?

INTERACTIVE MATH VIDEOS THAT INCLUDE QUESTIONS, PROMPTS, OR ACTIVITIES CAN ENHANCE LEARNING BY ENCOURAGING ACTIVE PARTICIPATION AND REINFORCING CONCEPTS LEARNED.

### WHERE CAN I FIND HIGH-QUALITY MATH VIDEOS FOR 1ST GRADERS?

HIGH-QUALITY MATH VIDEOS FOR 1ST GRADERS CAN BE FOUND ON EDUCATIONAL PLATFORMS LIKE KHAN ACADEMY KIDS, PBS KIDS, YOUTUBE CHANNELS SUCH AS NUMBERBLOCKS, AND APPS DESIGNED FOR EARLY LEARNING.

# How can parents use math videos at home to support 1st graders?

Parents can use math videos at home as a fun supplement to traditional learning by watching them together, discussing the concepts, and encouraging kids to practice what they've learned through related activities.

## Additional Resources

### 1. *Math Adventures for First Graders*

This engaging book introduces young learners to basic math concepts through fun stories and colorful illustrations. Each chapter corresponds to a video segment that reinforces counting, addition, and subtraction skills. Perfect for visual and auditory learners, it makes math accessible and exciting for first graders.

### 2. *Counting with Friends: A First Grade Math Journey*

Join a group of playful characters as they explore numbers and counting in everyday situations. The book pairs with animated videos that help children practice counting objects, skip counting, and number recognition. It encourages interactive learning and builds a strong foundation in early math.

### 3. *Shapes and Patterns: Math Fun for 1st Graders*

This book focuses on introducing shapes, patterns, and spatial awareness to young children. Each story is linked to short videos demonstrating shape identification, pattern creation, and problem-solving activities. Ideal for hands-on learners, it fosters creativity and critical thinking in math.

### 4. *Add and Subtract with Sammy the Squirrel*

Follow Sammy the Squirrel as he solves simple addition and subtraction problems in his forest home. The accompanying videos use animations to visually explain math operations, making abstract concepts easier to grasp. This resource supports both classroom and home learning environments.

### 5. *Number Stories: Learning Math through Storytelling*

This book uses engaging narratives to teach first graders about numbers, counting, and simple arithmetic. Each story is complemented by a video that brings the characters and math problems to life. It emphasizes comprehension and application of math in everyday contexts.

### 6. *Fun with Measurement: Math Videos and Activities*

Explore basic measurement concepts such as length, weight, and volume with this interactive book and video series. Children participate in fun experiments and activities that help them understand measurement in a practical way. The combination of reading and watching enhances retention and interest.

### 7. *Time Telling Tales for First Grade Math*

Introduce the concept of telling time through engaging stories and colorful illustrations. The linked videos demonstrate reading analog and digital clocks, helping children practice time management skills. This book is a great tool for integrating math with daily routines.

### 8. *Money Matters: First Grade Math with Coins and Bills*

Teach young learners about money, counting coins, and basic financial literacy through simple stories and interactive videos. Children watch scenarios involving buying and selling, which helps them understand the value of money and basic transactions. This resource builds practical math skills for real life.

### 9. *Patterns Everywhere: Discovering Math in the World*

Encourage first graders to recognize and create patterns found in nature and everyday objects. The book and its video series use bright visuals and engaging examples to illustrate repeating sequences and sorting activities. It promotes observational skills and mathematical thinking in a fun way.

## **Math Videos For 1st Graders**

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**math videos for 1st graders:** *Catch-Up Math: 1st Grade* Kristin Kemp, 2025-01-31 Get your child back on track in math class! This book supports first grade students who are struggling in math. The full-color book provides instructional pages, coaching videos, examples, practice, and reviews to help students master key math concepts.

**math videos for 1st graders:** *The Teacher's Awesome App Guide 1.5* John F. OSullivan, 2014-10-25

**math videos for 1st graders: Guided Math Lessons in First Grade** Nicki Newton, 2021-07-15 Guided Math Lessons in First Grade provides detailed lessons to help you bring guided math groups to life. Based on the bestselling Guided Math in Action, this practical book offers 16 lessons, taught in a round of 3—concrete, pictorial, and abstract. The lessons are based on the priority standards and cover fluency, word problems, operations and algebraic thinking, and place value. Author Dr. Nicki Newton shows you the content as well as the practices and processes that should be worked on in the lessons, so that students not only learn the content but also how to solve problems, reason, communicate their thinking, model, use tools, use precise language, and see structure and patterns. Throughout the book, you'll find tools, templates, and blackline masters so that you can instantly adapt the lesson to your specific needs and use it right away. With the easy-to-follow plans in this book, students can work more effectively in small guided math groups—and have loads of fun along the way!

**math videos for 1st graders:** Universal Access Through Inclusive Instructional Design Susie L. Gronseth, Elizabeth M. Dalton, 2019-09-06 Universal Access Through Inclusive Instructional Design explores the ways that educators around the world reduce barriers for students with disabilities and other challenges by planning and implementing accessible, equitable, high-quality curricula. Incorporating key frameworks such as Universal Design for Learning, these dynamic contributions highlight essential supports for flexibility in student engagement, representation of content, and learner action and expression. This comprehensive resource—rich with coverage of foundations, policies, technology applications, accessibility challenges, case studies, and more—leads the way to design and delivery of instruction that meets the needs of learners in varying contexts, from early childhood through adulthood.

**math videos for 1st graders: Japanese Lesson Study in Mathematics** Masami Isoda, 2007 In *Before It's Too Late: A Report to the Nation from the National Commission on Mathematics and Science Teaching for the 21st Century* (2000) in the US, the authors quote from James Stigler's conclusions from various videotape research studies of mathematics teaching: The key to long-term improvement [in teaching] is to figure out how to generate, accumulate, and share professional knowledge. Japanese Lesson Study has proved to be one successful means. This book supports the growing movement of lesson study to improve the quality of mathematics education from the original viewpoints of Japanese educators who have been engaging in lesson study in mathematics for professional development and curriculum implementation. This book also illustrates several projects related to lesson study in other countries.

**math videos for 1st graders:** *Cognitive and Brain Plasticity Induced by Physical Exercise, Cognitive Training, Video Games and Combined Interventions* Soledad Ballesteros, Claudia Voelcker-Rehage, Louis Bherer, 2018-07-05 The premise of neuroplasticity on enhancing cognitive functioning among healthy as well as cognitively impaired individuals across the lifespan, and the

potential of harnessing these processes to prevent cognitive decline attract substantial scientific and public interest. Indeed, the systematic evidence base for cognitive training, video games, physical exercise and other forms of brain stimulation such as entrain brain activity is growing rapidly. This Research Topic (RT) focused on recent research conducted in the field of cognitive and brain plasticity induced by physical activity, different types of cognitive training, including computerized interventions, learning therapy, video games, and combined intervention approaches as well as other forms of brain stimulation that target brain activity, including electroencephalography and neurofeedback. It contains 49 contributions to the topic, including Original Research articles (37), Clinical Trials (2), Reviews (5), Mini Reviews (2), Hypothesis and Theory (1), and Corrections (2).

**math videos for 1st graders: Math Is Everywhere** Gene Pease, 2017-07-19 Math is Everywhere has 365 math activities you can do with your kids, right now! You could watch bugs, listen to music, or ride a bike. You'll find ideas to entertain with math while waiting for a dentist appointment! You can make flubber or a real dirt cake that you can eat! You will not find any worksheets or artificial word problems, but your child probably will want to create some, so beware! You won't need to buy a thing, unless it's the groceries you and your child will use to make dinner. Math is Everywhere is a book for anyone who wants to answer the question, "When am I ever going to use this math?"

**math videos for 1st graders: A Parent's Guide to the Best Children's Videos** Kids First (Edt), 2001 Looks at over 1,800 videos, DVDs, and software titles for children.

**math videos for 1st graders: First Grade Technology Curriculum** Ask a Tech Teacher, 2020-04-08 Used world-wide as a definitive technology curriculum, this six-volume series (Fourth Edition, 2011) is the all-in-one solution to running an effective, efficient, and fun technology program whether you're the lab specialist, IT coordinator, classroom teacher, or homeschooler. It is the choice of hundreds of school districts across the country, private schools nationwide and teachers around the world. Each volume includes step-by-step directions for a year's worth of projects, samples, grading rubrics, reproducibles, wall posters, teaching ideas and hundreds of online connections to access enrichment material and updates from a working technology lab. Aligned with ISTE national technology standards, the curriculum follows a tested timeline of which skill to introduce when, starting with mouse skills, keyboarding, computer basics, and internet/Web 2.0 tools in Kindergarten/First; MS Word, Publisher, Excel, PowerPoint, Google Earth, internet research, email and Photoshop in Second/Fifth. Each activity is integrated with classroom units in history, science, math, literature, reading, writing, critical thinking and more. Whether you're an experienced tech teacher or brand new to the job, you'll appreciate the hundreds of embedded links that enable you to stay on top of current technology thinking and get help from active technology teachers using the program. Extras include wall posters to explain basic concepts, suggestions for keyboarding standards, discussion of how to integrate Web 2.0 tools into the classroom curriculum and the dozens of online websites to support classroom subjects.

**math videos for 1st graders: Reinventing STEM in Early Childhood Education** Eugene Geist, 2025-05-09 Teaching STEM to young children is about more than helping them learn their numbers and facts. It is an important and complex process that, to be effective, should honor the way children's brains are developing. This book outlines how early childhood educators can best support young children's STEM journeys as children naturally take in information about their environment, synthesize it, and grow in the process. This comprehensive text details different theories of learning; research on how young brains develop; practical information on preparing your environment and yourself for teaching STEM to children; guidance for supporting diverse populations of students; and developmental guidelines, sample standards, resources, and lesson plans. Organized chronologically, the book connects relevant STEM topics with each developmental age range and outlines common school standards for each grade. Reinventing STEM in Early Childhood Education is meant to be a core text for preservice teachers in math and science methods courses and is also important reading for teacher educators and professional development programs.

**math videos for 1st graders: Resources in Education** , 1990

**math videos for 1st graders: Mastering Math Manipulatives, Grades K-3** Sara Delano

Moore, Kimberly Rimbey, 2021-10-04 Mastering Math Manipulatives includes everything you need to integrate math manipulatives--both concrete and virtual--into math learning. Each chapter of this richly illustrated, easy-to-use guide focuses on a different powerful tool, such as two-color counters, linking cubes, base ten blocks, fraction manipulatives, pattern blocks, tangrams, geometric solids, and others, and includes a set of activities that demonstrate the many ways teachers can leverage manipulatives to model and reinforce math concepts for all learners.

**math videos for 1st graders: *The Relationship of Affect and Creativity in Mathematics*** Scott A. Chamberlin, Eric L. Mann, 2021-09-03 The Relationship of Affect and Creativity in Mathematics explores the five legs of creativity—Iconoclasm, Impartiality, Investment, Intuition, and Inquisitiveness—as they relate to mathematical giftedness. This book: Discusses these affective components relevant to mathematical learning experiences. Shares how affective components impact students' creative processes and products. Shows the influence of learning facilitators, including teachers, afterschool mentors, and parents. Describes facilitating environments that may enhance the likelihood that creative process and ultimately product emerge. Utilizes the expertise of two young scholars to discuss the practical effects of affect and creativity in learning experiences. This practical, research-based book is a must-read for stakeholders in gifted education, as many advanced students are underidentified in the area of creativity in mathematics.

**math videos for 1st graders: Fun and Fundamental Math for Young Children** Marian Small, 2018 Educators of young children who don't yet know the work of Marian Small are in for a gift—a treasure trove to enhance their teaching and thinking about math. This book focuses on the most important concepts and skills needed to provide early learners (preK-2) with a strong foundation in mathematics, in ways that are fun for both children and educators! For each mathematical concept, professional developer Marian Small provides sample activities and lessons, as well as guidance for using children's books, games, manipulatives, and electronic devices. This resource also demonstrates how to differentiate instruction using tasks and questions designed to include all students. Like other Marian Small bestsellers, the text features her special brand of lucid explanation of difficult concepts, fresh and engaging teaching examples, troubleshooting tips, and formative assessments. Fun and Fundamental Math for Young Children is separated into special grade level sections for pre-K, kindergarten, first grade, and second grade. It can be used with any early childhood curriculum or as a stand-alone program in preschools. Marian Small is available for in-person and online professional development. "Within the first few pages it quickly became apparent that, whether you are a new or veteran teacher, your knowledge and appreciation of and for primary mathematics will grow page by page." —From the Foreword by Graham Fletcher, math specialist, Atlanta, Georgia "Marian Small describes the development of major aspects of children's mathematical thinking and connects them to many interesting and useful classroom activities." —Herbert Ginsburg, professor emeritus, Teachers College, Columbia University "I love this book! The ideas are invaluable and the attention to detail is amazing." —Nicki Newton, math consultant

**math videos for 1st graders: Analysing Users' Interactions with Khan Academy**

**Repositories** Sahar Yassine, Seifedine Kadry, Miguel-Ángel Sicilia, 2021-11-15 This book addresses the need to explore user interaction with online learning repositories and the detection of emergent communities of users. This is done through investigating and mining the Khan Academy repository; a free, open access, popular online learning repository addressing a wide content scope. It includes large numbers of different learning objects such as instructional videos, articles, and exercises. The authors conducted descriptive analysis to investigate the learning repository and its core features such as growth rate, popularity, and geographical distribution. The authors then analyzed this graph and explored the social network structure, studied two different community detection algorithms to identify the learning interactions communities emerged in Khan Academy then compared between their effectiveness. They then applied different SNA measures including modularity, density, clustering coefficients and different centrality measures to assess the users' behavior patterns and

their presence. By applying community detection techniques and social network analysis, the authors managed to identify learning communities in Khan Academy's network. The size distribution of those communities found to follow the power-law distribution which is the case of many real-world networks. Despite the popularity of online learning repositories and their wide use, the structure of the emerged learning communities and their social networks remain largely unexplored. This book could be considered initial insights that may help researchers and educators in better understanding online learning repositories, the learning process inside those repositories, and learner behavior.

**math videos for 1st graders:** Growing Schools Debbie Abilock, Kristin Fontichiaro, Violet H. Harada, 2012-06-11 Presenting examples of school librarians leading professional learning in numerous contexts and for diverse learning goals with remarkable success, this book will inspire other practitioners to initiate and refine professional learning in their schools and districts. School administrators are recognizing that school librarians are ideal to lead professional development because they service the entire school network, from the students and faculty to families and the community. As a national downturn in educational funding is diminishing districts' ability to optimally staff libraries, investing energy in professional development is a sound strategy to bring information literacy skills to every student—especially in buildings with part-time librarians, or districts with only a single librarian of record. Growing Schools: Librarians as Professional Developers stands apart from other works as the first book that directly addresses the potential role of the school librarian as a staff developer. Within the chapters, the authors relate their professional development journeys, collectively representing experience within K-12 public and private institutions, district and regional units, and universities across the United States and Canada. The work provides various approaches to professional development with a range of processes and techniques that have been proven effective in different contexts and in achieving diverse learning goals. Practitioners at the building and district levels as well as school principals, state and district personnel, and library educators will find this book insightful and instructive.

**math videos for 1st graders:** Educational Film/video Locator of the Consortium of University Film Centers and R.R. Bowker Consortium of University Film Centers, 1986

**math videos for 1st graders:** Families With Power Mary Cowhey, 2022 What if the families of students most impacted by the opportunity gap somehow had the power to organize whatever activities they felt would best help their children succeed? That's the question that began Families with Power/Familias con Poder (FWP), a grassroots organization of low-income students and caregivers in Northampton, MA. Through vignettes and interviews, this premiere book in Sonia Nieto's Visions of Practice Series shares the stories and lessons FWP learned along the way. Inspired by Paulo Freire's educational philosophy and the radical tradition of the Highlander Folk School, a group of real families with few material resources and educators connected with each other, found common ground, and built their own programs to address the needs of their children. Readers will get an inside look at the benefits, successes, and challenges of more than a dozen years of student and family engagement in the community and school as FWP tackled issues ranging from academics, race, and class to immigration and public health. **Book Features:** The story of how the author cofounded Families with Power in cooperation with immigrant and low-income caregivers and fellow educators. Insight into multiple racial and ethnic perspectives as seen through a myriad of family engagement programs. A relatable collection of narratives that bring to life Freire's methods of problem posing, culture circles, and popular education, as well as Highlander Folk School's methods of grassroots organizing. Guidance to help today's teachers and school leaders connect with students' families and community in meaningful ways. The author's experience as a white teacher learning to bridge cultural, racial, linguistic, and class differences and build authentic relationships to better serve diverse communities.

**math videos for 1st graders:** Math Education for America? Mark Wolfmeyer, 2013-12-04 Math Education for America? analyzes math education policy through the social network of individuals and private and public organizations that influence it in the United States. The effort to standardize a national mathematics curriculum for public schools in the U.S. culminated in 2010

when over 40 states adopted the Common Core State Standards for Mathematics. Rather than looking at the text of specific policy documents, this book complements existing critical reviews of the national math education curriculum by employing a unique social network analysis. Breaking new ground in detailing and theorizing the politics of math education, Wolfmeyer argues that the private interests of this network are closely tied to a web of interrelated developments: human capital education policy, debates over traditional and reform pedagogy, the assumed content knowledge deficit of math teachers, and the proliferation of profit-driven educational businesses. By establishing the interconnectedness of these interests with the national math education curriculum, he shows how the purported goals of math education reform are aligned with the prevailing political agendas of this social network rather than the national interest.

**math videos for 1st graders: Success in the Urban Classroom** , 2002

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