

Mathematics

10th's and Decimals

NY1645 DM

IM 2003 Teachers' Domain

In this video segment from Cyberchase, the CyberSquad replaces a piece of track to get the Madre Bonita Express to the Mother's Day harvest.

Mathematics

The A Train Express

593923 VH, OF

IMJ 30 min 2004 NASA

NASA Connect Series - In The "A" Train Express, NASA researchers and international scientists use satellite technology to improve weather forecasting and give us information about aerosols and clouds. Students will also learn about two NASA satellite Earth Science missions, CALIPSO and CLOUDSAT. By conducting hands-on and web activities, students will make connections between NASA research and the math, science, and technology they learn in their classroom. Teachers Guide.

Technology; Mathematics

Adding

591187 VH

PIMJ 10 min 1979 Phoenix Learning Group

Bright animation that leads students to understand the meaning of addition.

Arithmetic

Addition

593580 VH

P 23 min CA 2004 Schlessinger Video Productions

Math for Children Series - Closed-captioned. The concept of addition is illustrated using concrete examples ranging from pies to penguins. Covers number sentences, tricks, and tips for adding single and double digit numbers, and estimation. Teacher's guide.

Arithmetic; Addition

Addition (Third Edition)

025420 VH

P 13 min 1982 Coronet/MTI Film and Video

Math for Beginners Series - An animated calculating Kangaroo, whose curiosity takes her into a series of adventures and misadventures, gets children thinking about numbers and their relationships in addition.

Mathematics; Addition; Arithmetic

Advanced Math Concepts

596824 DV

PI 120 min 2006 PBS Video

Getting Ahead: Mathematics Series - Animated. Science fiction theme helps convey math concepts in 10 stand-alone programs. Covers pictograms, bar charts, mental addition and subtraction with 2 and 3 digits, remainders after dividing, time, problem solving with number sequences and coordinates. Contains: 1 Disc.

Problem Solving; Division; Addition; Subtraction

Aiming For the Basketball Hall of Fame

NY1886 DM

MJ 2000 Teachers' Domain

In this video segment from TV 411, two Atlanta Hawks players plan a driving route to reach the Basketball Hall of Fame. They use map scales to estimate their travel distances.

Mathematics

Algebra: A Piece of Cake - Part 1

591869 VH

IMJ 19 min 2001 Benchmark Media

Math Series - Math formulas are represented through the real-life example of calculating the amounts of ingredients to bake a large cake. Focuses on variables and linear equations. Includes optional pauses where students are presented with calculations to complete. Teacher's guide.

Algebra; Cookery; Mathematics

Algebra: A Piece of Cake - Part 2

592406 VH

IMJ 13 min 2001 Benchmark Media

Math Series - Algebra helps a teen cook for a sizable party. Covers more complicated formulas and simplification of mathematical expressions. Teacher's guide.

Algebra; Cookery; Mathematics

Alistair's Time Machine

022253 VH

P 30 min CA 1991 Lancit Media Productions

Reading Rainbow Series - Closed-captioned. LeVar Burton uses a time machine to look at some real and some unlikely inventions from the past, present, and future.

Reading; Language Arts; Inventions; Mathematics

All About Money

024811 VH

PI 51 min 1995 Learning Channel

Money: Kids and Cash Series - Explores trade and the concepts of value, worth, and price. Looks at gold and why people value it. Shows coins: their value and how they are made. Compares money from around the world.

Money; Mathematics

All Shapes and Sizes: Measuring Perimeter and Area

025132 VH

IMJ 14 min 1995 Children's Television Workshop

Math Talk - Measurement Series - Four segments illustrate in a lighthearted way some of the relationships between area and perimeter. Teacher's guide.

Area Measurement; Problem Solving; Measurement; Mathematics

All Sorts

026369 VH

PI 15 min 1998 Australian

Broadcasting Corporation
Shape, Shape, Shape Series - Australian swagman and Bunyip recall the various shapes learned about in previous episodes. They play games identifying and sorting the shapes.

Geometry; Mathematics

Amazing Chase

NY1990 DM

S 2006 Teachers' Domain

This video from WOUB Athens, presented as a parody of a popular TV network reality show, will help high school students review and prepare for the Ohio Graduation Test in Mathematics.

Mathematics

Arithmetic: Addition and Subtraction

597985 DV

IM 23 min 2009 Library Video Company

Arithmetic Teaching Systems Series - On-screen problems and real world applications are features of this live-action series. Chapter titles: Addition; Subtraction; Estimating; and Problem Solving. Contains: 1 DVD Disc and 1 CD-ROM Teacher's guide with teacher resources, including quiz questions, answer keys, lesson plans, handouts, classroom activities, and worksheet.

Subtraction; Mathematics; Arithmetic; Problem Solving; Addition

Mathematics

Arithmetic: Dividing Whole Numbers

597986 DV
IM 13 min 2009 Library Video Company
Arithmetic Teaching Systems Series - On-screen problems and real world applications are features of this live-action series. Chapter titles: Division Basics; Long Division; and Factors. Contains: 1 DVD Disc and 1 CD-ROM Teacher's guide with teacher resources, including quiz questions, answer keys, lesson plans, handouts, classroom activities, and worksheet.
Division; Arithmetic; Mathematics

Arithmetic: Lines, Shapes, and Sizes

597987 DV
IM 30 min 2009 Library Video Company
Arithmetic Teaching Systems Series - On-screen problems and real world applications are features of this live-action series. Chapter titles: Points and Lines; Angles; Congruent Angles; Shapes and Figures; Finding Congruence in Figures; Lines of Symmetry in Figures; Solid Figures; The Number Line; and The Coordinate Plane and Ordered Pairs. Contains: 1 DVD Disc and 1 CD-ROM Teacher's guide with teacher resources, including quiz questions, answer keys, lesson plans, handouts, classroom activities, and worksheet.
Mathematics; Measurement; Geometry; Size and Shape; Arithmetic

Arithmetic: Measurement

597988 DV
IM 30 min 2009 Library Video Company
Arithmetic Teaching Systems Series - On-screen problems and real world applications are features of this live-action series. Chapter titles: Units of Measurement; Temperature; Time; Standards of Measurement: English and Metric; Length; Perimeter; Area; Weight; and Volume. Contains: 1 DVD Disc and 1 CD-ROM Teacher's guide with teacher resources, including quiz questions, answer keys, lesson plans, handouts, classroom activities, and worksheet.
Arithmetic; Measurement; Metric System; Mathematics

Arithmetic: Multiplying Whole Numbers

597989 DV
IM 30 min 2009 Library Video Company
Arithmetic Teaching Systems Series - On-screen problems and real world applications are features of this live-action series. Chapter titles: Multiplication Basics; Multiplying Bigger Numbers; The Distributive Property; Word Problems; Multiplying with a Calculator; and Problem Solving. Contains: 1 DVD Disc and 1 CD-ROM Teacher's guide with teacher

resources, including quiz questions, answer keys, lesson plans, handouts, classroom activities, and worksheet.

Multiplication; Problem Solving; Arithmetic; Mathematics

Arithmetic: Patterns and Graphs

597990 DV
IM 24 min 2009 Library Video Company
Arithmetic Teaching Systems Series - On-screen problems and real world applications are features of this live-action series. Chapter titles: Patterns; Pictographs; Bar Graphs; Line Graphs; Probability & Outcomes; and Prime & Composite Numbers. Contains: 1 DVD Disc and 1 CD-ROM Teacher's guide with teacher resources, including quiz questions, answer keys, lesson plans, handouts, classroom activities, and worksheet.
Graphs; Mathematics; Arithmetic

Arithmetic Teaching Systems Series

For descriptions see individual titles:

Arithmetic: Addition and Subtraction [597985]

Arithmetic: Dividing Whole Numbers [597986]

Arithmetic: Lines, Shapes, and Sizes [597987]

Arithmetic: Measurement [597988]

Arithmetic: Multiplying Whole Numbers [597989]

Arithmetic: Patterns and Graphs [597990]

Arithmetic: Understanding Decimals [597991]

Arithmetic: Understanding Fractions [597992]

Arithmetic: Whole Numbers and the Number Line [597993]

Arithmetic: Understanding Decimals

597991 DV
IM 30 min 2009 Library Video Company
Arithmetic Teaching Systems Series - On-screen problems and real world applications are features of this live-action series. Chapter titles: Decimal Basics; Adding and Subtracting Decimals; Multiplying and Dividing Decimals; Rounding Decimals; Scientific Notation; and Problem Solving with Decimals. Contains: 1 DVD Disc and 1 CD-ROM Teacher's guide with teacher resources, including quiz questions, answer keys, lesson plans, handouts, classroom activities, and worksheet.

Arithmetic; Decimal System; Mathematics; Problem Solving

Arithmetic: Understanding Fractions

597992 DV
IM 13 min 2009 Library Video Company
Arithmetic Teaching Systems Series - On-screen problems and real world applications are features of this live-action series. Chapter titles: Fraction Basics; Mixed Numbers and Improper Fractions; Common Factors and Reducing Fractions; Converting Fractions to Decimals; and Common Denominators. Contains: 1 DVD Disc and 1 CD-ROM Teacher's guide with teacher resources, including quiz questions, answer keys, lesson plans, handouts, classroom activities, and worksheet.

Arithmetic; Fractions; Mathematics

Arithmetic: Whole Numbers and the Number Line

597993 DV
IM 19 min 2009 Library Video Company
Arithmetic Teaching Systems Series - On-screen problems and real world applications are features of this live-action series. Chapter titles: Whole Numbers; Place Value; Comparing Whole Numbers; Rounding Whole Numbers; The Number Line; and Decimals. Contains: 1 DVD Disc and 1 CD-ROM Teacher's guide with teacher resources, including quiz questions, answer keys, lesson plans, handouts, classroom activities, and worksheet.

Number Concept; Arithmetic; Mathematics

Arrangement 1

NY2052 DM
MJ 2004 Teachers' Domain
The CyberSquad tries to figure out a table arrangement for 20 workers in this video from Cyberchase.
Mathematics

Arrangement 2

NY2053 DM
MJ 2004 Teachers' Domain
In this video segment from Cyberchase, Matt tries for a second time to arrange tables and chairs to accommodate 20 workers.
Mathematics

Arrangement 3

NY2056 DM
MJ 2004 Teachers' Domain
Matt's third table arrangement helps fit all 20 workers at five tables in this video segment from Cyberchase.
Mathematics

Mathematics

At the Zoo

026019 VH
IP 10 min CA 1998 Seattle Public Schools Inst
It Figures! Problem Solving in Measurement Series - Closed-captioned. Ms. Feeney's class has only 90 minutes to visit five exhibits at the zoo. They must figure out a route that will allow them to spend as much time as possible at each exhibit.

Measurement; Problem Solving;
Mathematics

Attention to Scaling

NY1894 DM
IM 2003 Teachers' Domain
In this video segment from Cyberchase, the CyberSquad adds a scale to their bar graph to give a more accurate picture of the bug infestation at the Cybrary.

Mathematics

Average Practice Time

NY1594 DM
MJ 2000 Teachers' Domain
In this video segment from TV411, figure skaters compute their average daily practice time.

Mathematics

Balancing Equations with Multiple Terms

NY1582 DM
IM 2001 Teachers' Domain
In this video segment from Cyberchase, Digit and Inez must balance two number sentences to save the bunnies of Cyberspace.

Mathematics

Beginning Math Series (Revised)

For descriptions see individual titles:
Numbers All Around Us [023171]

Bianca Gets a Present

NY1541 DM
IM 2006 Teachers' Domain
In this video segment from Cyberchase, Bianca is babysitting two young girls on Halloween. When their mother is late, she has to take them trick-or-treating even though it is her birthday. To thank her, the girls combine their Halloween candy and then share it equally amongst themselves and Bianca.

Mathematics

Bianca Gets in Gear

NY1896 DM
MJ 2005 Teachers' Domain
Bianca visits a bike shop and learns how bicycle gears work in this Cyberchase video segment.

Mathematics

Bianca Goes to the Movie

NY2064 DM
MJ 2005 Teachers' Domain
This Cyberchase video segment features Bianca, who must figure out the fastest route to a movie premiere.

Mathematics

Bianca the Spy

NY1589 DM
MJ 2003 Teachers' Domain
This video segment from Cyberchase introduces the idea of inverse operations as Bianca imagines herself as a spy.

Mathematics

Bill Nye the Science Guy Series

For descriptions see individual titles:
Patterns [596051]
Patterns [590894]
Probability [591003]

Body Matches

NY1899 DM
IM 2004 Teachers' Domain
In this video from Cyberchase, the CyberSquad searches for a kidnapper using their only clues: a footprint and a handprint.

Mathematics

Boxes and Rectangles

026374 VH
PI 15 min 1998 Australian Broadcasting Corporation
Shape, Shape, Shape Series - Explores the attributes and functions of this shape. Features an Australian swagman and a puppet (Bunyip).

Geometry; Mathematics

Bugs

020346 VH
PI 30 min CA 1988 Lancit Media Productions
Reading Rainbow Series - Closed-captioned. Includes general information, jokes, and brief descriptions of the physical characteristics, habits, and natural environment of a variety of common insects.

Children's Literature; Insects;
Books and Reading; Mathematics

Bunches and Bunches of Bunnies

040239 BB
P 32 p. 1978 Scholastic Inc.
A funny bunny counting book. Author: Louise Mathews. Illustrator: Jeni Basset. 1 Big Book, 30 Books, 1 Audio Cassette, 1 Teacher's Guide.

Rabbits - Fiction; Counting

A Cage to Save a Whale

NY1581 DM
IM 2003 Teachers' Domain
In this Cyberchase video segment, the CyberSquad must estimate the measurements of Spout the Whale in order to find a cage that will fit him.

Mathematics

Calculating Clones

NY1642 DM
IM 2001 Teachers' Domain
In this video segment from Cyberchase, Inez and Lucky figure out how to keep track of the number of clones as they continue to multiply.

Mathematics

Calculating Rectangular Area

NY1547 DM
IM 2001 Teachers' Domain
In this video segment from Cyberchase, the CyberSquad measures Judge Trudy's land claim by using tarps, fence posts and a grid made with rope.

Mathematics

Calculating Speed

NY1564 DM
MJ 2005 Teachers' Domain
In this Cyberchase video segment, the CyberSquad calculates the speed of each broom.

Mathematics

The Calendar: How to Use It (Second Edition)

026736 VH
PI 14 min 2000 Alfred Higgins Productions
With the help of some lively visuals and songs, students learn how calendars help us to know not only the various holidays and special days, but also about the relationship of days, weeks, and months to one another. Study guide jacket.

Time; Mathematics; Calendar

The Calorie Cycle/Liquid Energy

595748 VH
MJS 30 min CA 2006 ESPN-TV
SportsFigure Series - Cyclist Tom Danielson calculates how many calories he can use per mile in "The Calorie Cycle". In "Energy Liquid" wakeboarder Dallas Friday explores shock waves with a ski board.

Mathematics; Physics

Mathematics

The Case of the Great Space Exploration

594133 VH, SA
IMJ 60 min 2004 NASA
NASA SciFiles Series - New discoveries by NASA and a new vision for space exploration create an excitement in the tree house as the detectives set off to learn what it will take to become a space explorer. Join them as they head to Space Camp and NASA to find out if they truly have the right stuff.

Mathematics; Technology; Space Sciences

Catching the Kidnapper

NY1910 DM
IM 2004 Teachers' Domain
In this video segment from Cyberchase, the CyberSquad and Digit construct a physical profile of the person who kidnapped Choocroca, a giant cybercrocodile.

Mathematics

A Chair for My Mother

020301 VH, DV
P 30 min CA 1984 Lancit Media Productions
Reading Rainbow Series - Closed-captioned. Presents a reading of the book *A CHAIR FOR MY MOTHER*, by Vera Williams. Host LeVar Burton carries through the story line about members of a family who team up and work together to rebuild their lives after a tragic fire, as he and his friends create a song and dance number called Teamwork. Teacher's guide. DVD contains: 1 Disc.

Family Life - Fiction; Mathematics; Books and Reading; Saving and Investment

Chess Wager

NY1511 DM
MJ 2003 Teachers' Domain
Harry and his friend make a wager on a game of chess in this video segment from Cyberchase.

Mathematics

Choice, Chance, Control

022268 VH
S 20 min 1988 Media Options, Inc
Introduces the fundamentals of selecting insurance within the contexts of risk probability and risk management. Includes a teacher's guide, lesson plan booklet, activity copymasters, and a color poster.

Consumer Education; Driver Education; Insurance; Mathematics; Business Education

Choosing the Most Orange Crystal

NY1555 DM
IM 2004 Teachers' Domain
In this video segment from Cyberchase, the CyberSquad must locate a crystal with the highest fraction of orange color.

Mathematics

Classroom Learning Clock Set

593710 KT
NP 2004 Hatch Technology and Toys
A collection of teaching aids to help students learn to tell time. Large clock features geared hour and minute hands with synchronized digital display. Small clocks do not include digital display. Contains: 1 Large Clock; 18 Small (4") clocks; 1 Activity guide.

Clocks and Watches; Mathematics; Time

Clifford the Big Red Dog Series

For descriptions see individual titles:
Clifford's Family [040175]

Clifford's Family

040175 BB
P 32 p. 1987 Scholastic Inc.
Clifford the Big Red Dog Series - Emily Elizabeth takes Clifford to visit the scattered members of his family. Author: Norman Bridwell. 1 Big Book, 30 Books, 1 Audio Cassette, 1 Teacher's Guide, 1 Big Book Extenders. Reading level 2.0, Interest level K-3

Dogs - Fiction; Animals - Fiction

Combined Probability

593502 VH
S 15 min CA 2000 Schlessinger Video Productions
Math 4 Real Series - Closed-captioned. Lotteries and random drawings help develop ideas about mathematical probability, and illustrate relevant calculations for combining probabilities. Teacher's guide.

Probability

Comparing Regular and Irregular Areas

NY1556 DM
IM 2001 Teachers' Domain
The CyberSquad proves that the area of Hacker's land is equal to the area of Judge Trudy's land in this video segment from Cyberchase.

Mathematics

Competing for the Northern Hemisphere Games

NY1654 DM
MJ 2001 Teachers' Domain
In this video from Cyberchase, Harry must score a total of 50 points in various events to qualify for the Northern Hemisphere games in New Orleans.

Mathematics

Compound Denominate Numbers

026401 VH
MJS 30 min 1998 Film Ideas Inc
Modumath Measurement Series - Addition, subtraction, multiplication, and division of compound denominate numbers. Teacher's guide.

Arithmetic; Mathematics

Cones

026373 VH
PI 15 min 1998 Australian Broadcasting Corporation
Shape, Shape, Shape Series - Uses a funnel to explore the attributes and functions of a cone. Hosted by an Australian swagman and puppet (Bunyip).

Mathematics; Geometry

Cooking Contest

NY2042 DM
IM 2003 Teachers' Domain
In this Cyberchase video segment, Matt uses subtraction to help Digit figure out how much time he has left in a cooking contest with Hacker.

Mathematics

Count Your Way Through...Countries

041385 KT
PIMJ 1997
Using the language of each country, count from one to ten. This kit combines counting with a look at the culture, history, and traditions of sixteen countries. 16 Books: COUNT YOUR WAY THROUGH - JAPAN, FRANCE, CANADA, MEXICO, RUSSIA, BRAZIL, GERMANY, KOREA, IRELAND, GREECE, ISRAEL, ITALY, CHINA, AFRICA, ARAB WORLD, AND INDIA/by Jim Haskins.

Number Concept; Counting; Multicultural Studies; Mathematics

Counting at the Zoo

596006 BB
P 8 p. 2004 Rosen Classroom Books & Materials
Math for the Real World Series - Animals help students learn to add 1 to one digit numbers, in this simple book. Author: Laurie Chilek. Contains: 1 Big Book, 30 Soft cover books. Early Emergent Level. Reading Level P-1, Interest Level P-1

Counting; Chilek, Laurie; Addition

Crack the Code

NY1914 DM
IM 2001 Teachers' Domain
In this video segment from Cyberchase, the CyberSquad must get into a vault before Hacker, Buzz and Delete by cracking a code of shapes and numbers.

Mathematics

Crumpets Recipe

NY1567 DM
MJ 2004 Teachers' Domain
In this Cyberchase video segment, Shari Spotter gets help from the CyberSquad in doubling a recipe for crumpets.

Mathematics

Mathematics

Cubes and Squares

026371 VH
PI 15 min 1998 Australian
Broadcasting Corporation
Shape, Shape, Shape Series -
Australian swagman and Bunyip
compare the features of different
boxes looking at edges, corners, and
faces.

Geometry; Mathematics

Cylinders

026372 VH
PI 15 min 1998 Australian
Broadcasting Corporation
Shape, Shape, Shape Series - Uses a
lump of dough to illustrate the features
and functions of a cylinder. Hosted by
an Australian swagman and Bunyip.

Geometry; Mathematics

The Data Game: Using Graphs

025130 VH
IMJ 14 min 1995 Children's
Television Workshop
*Math Talk - Probability and Statistics
Series* - Four segments present
several different kinds of commonly
used graphs and illustrate how graphs
are made, read, and interpreted.
Teacher's guide.

Graphs; Problem Solving;
Mathematics; Statistics

Decimals

021238 VH
I 30 min 1990 Journal Films
Part 1 - Starts with the knowledge of
base-ten counting system and extends
it into an understanding of decimals.
Part 2 - Shows how and why we
sometimes round off decimals, and
the value of estimating in advance
what the answer to a problem will be.

Arithmetic; Decimal System;
Mathematics

Decimals and Percents

593561 VH
P 23 min CA 2004 Schlessinger
Video Productions
Math for Children Series - Closed-
captioned. Decimals name numbers
that are less than one and percents
compare numbers with 100. Uses
everyday examples including money,
pieces of chocolate, and more.
Teacher's guide.

Decimal System

Decimals: What's the Point?

020541 VH
I 15 min 1986 Walt Disney
Illustrates the basic points of the
decimal system. Teacher's guide.

Mathematics; Decimal System

Decreasing Water Levels

NY1648 DM
IM 2001 Teachers' Domain
The CyberSquad creates a line graph
to help tell the story of the decreasing
water levels in Sensible Flats in this
video segment from Cyberchase.

Mathematics

Digit in Pursuit

NY2061 DM
MJ 2005 Teachers' Domain
The CyberSquad tracks Digit's
position in time and then studies
graphs to figure out what Hacker is
scheming in this video from
Cyberchase.

Mathematics

Dinosaur Bob and His Adventures with the Family Lazardo

020390 VH
P 30 min CA 1989 Lancit Media
Productions
Reading Rainbow Series - Closed-
captioned. While vacationing in Africa,
the Lazardo family finds and brings
back to America a friendly dinosaur
that becomes the talk of the town.
Based on the book by William Joyce.

Books and Reading; Dinosaurs -
Fiction; Mathematics

Directions to Hen Rock

NY1537 DM
IM 2003 Teachers' Domain
The CyberSquad has to deal
with angles and distances to locate a
treasure chest in this video segment
from Cyberchase.

Mathematics

Discovery Packs Series

For descriptions see individual titles:
Measurement Collection [041574]

Division

593562 VH
P 23 min CA 2004 Schlessinger
Video Productions
Math for Children Series - Closed-
captioned. Division is about sharing
equally. Learn symbols, tips and
tricks, fact families, and how to divide
by one, zero, and one or two digit
numbers. Teacher's guide.

Arithmetic; Division

Domino Math

598452 KT
PI 2009 Delta Education Inc
Develops mastery of basic math facts
using dominoes in both problem
solving situations and practice in
games. Contains: 2 Books: Domino
Math (Grades 1-4); Domino Math
(Grades 2-6); 1 Box Dominoes (55
black).

Arithmetic; Addition; Subtraction;
Multiplication; Division

Donald in Mathmagic Land

596642 DV
IMJS 26 min CA 2004 Disney
Educational Productions
Closed-captioned. Animated.
Enhanced classroom edition with web
links, curriculum correlations, printable
graphic novel, and more. Donald
learns the importance of mathematics
from the early Greeks who discovered
its basic principles, and how they
relate to music, art, architecture,
sports, and daily life. Contains: 1 Disc
and 1 Teacher's guide folder.

Mathematics

Donald in Mathmagic Land

020549 VH
PIMJSA 26 min 1959 Walt Disney
Donald Duck learns the importance of
mathematics from the early Greeks
who discovered its basic principles.
Sequences show how these principles
relate to music, art, architecture,
sports, and other phases of daily life.

Mathematics

Dr. of Yo-yology

595747 VH
MJS 15 min CA 2006 ESPN-TV
SportsFigure Series - National yo-yo
champion Augie Fash demonstrates
rotational kinetic energy and inertia.

Mathematics

Earning 100 Snelfus

NY1916 DM
IM 2004 Teachers' Domain
In this Cyberchase video segment, the
CyberSquad figures out how to earn
100 snelfus in 11 days.

Mathematics

Eating Fractions

045043 BB
P 32 p. 1991 Scholastic Inc.
Food is cut into halves, quarters, and
thirds to illustrate how parts make a
whole. Simple recipes included.
Author: Bruce Mc Millan. 1 Big Book,
30 Books, 1 Teachers Guide. Reading
level 1, Interest level P-2

Fractions; Mc Millan, Bruce;
Mathematics; Food

The Eddie Files

For descriptions see individual titles:
Fractions: Any Way You Slice It
[000215]

An Egyptian Clock

NY2036 DM
IM 2001 Teachers' Domain
The CyberSquad must construct a
clock of sorts in order to keep track of
the amount of time they have to
rescue Dr. Marbles in this video
segment from Cyberchase.

Mathematics

Mathematics

The Egyptians

026833 VH
PI 15 min 1999 Paul Davies
Math from History Series - Using re-enactments, puppet animation, location footage, and actors, this series shows math in history. Shows how the Egyptians counted and calculated, used solid geometric principals, and the limitations of their methods. Study guide.

Civilization, Ancient; Egypt, Ancient; Mathematics

Elastic Racquet/In Golf Gravitass

592012 VH, OF
MJS 30 min CA 2002 ESPN-TV
SportsFigure Series - Closed-Captioned. Tennis player Chanda Rubin explores elastic energy; golfer Brad Faxon discusses various principles of energy. Teacher's guide.

Mathematics; Physics

Elimidata

NY1997 DM
S 2006 Teachers' Domain
This video from WOUB Athens, presented as a parody of a popular TV network reality show, will help high school students review and prepare for the Ohio Graduation Test in Mathematics.

Mathematics

Enlargement

593504 VH
MJS 15 min CA 2002 Schlessinger Video Productions
Math 4 Real Series - Closed-captioned. Television is an easy medium through which one can demonstrate enlargement. Scale factors are investigated using real-life examples. Teacher's guide.

Ratio; Mathematics; Measurement

Equal Amounts of Gold

NY1550 DM
IM 2001 Teachers' Domain
In this Cyberchase video segment, the CyberSquad helps Pan and Pin divide up 15 gold bars.

Mathematics

Estimating and Measuring

596823 DV
P 120 min 2006 PBS Video
Getting Ahead: Mathematics Series - Animated. Science fiction theme helps convey math concepts in 10 stand-alone programs. Covers approximation, rounding off, math symbols, decimals and equivalent fractions, metric system, proportions, and 2-D and 3-D shapes. Contains: 1 Disc.

Decimal System; Size and Shape; Metric System; Problem Solving

Estimating Costs, Estimating Profits

NY1574 DM
MJ 2000 Teachers' Domain
Franklin works with Laverne to create a budget for a job painting a room, in this video segment from TV 411. nbsp;

Mathematics

Estimating Distance and Travel Time

NY1544 DM
IM 2004 Teachers' Domain
In this Cyberchase video segment, the CyberSquad estimates how much air supply they will need to complete an underwater mission.

Mathematics

Estimating Time from Rate

NY1552 DM
IM 2001 Teachers' Domain
Harry estimates how long it will take him to get to the front of a long ticket line in this Cyberchase video segment.

Mathematics

Factoring is Fantastic: Common Factors

592404 VH
IMJ 18 min 2001 Benchmark Media
Math Series - Reviews numerical factors and greatest common factors. Investigates different types of factoring and expansion of binominal and single factor expressions. Teacher's guide.

Mathematics; Factors (Algebra); Algebra

Factoring is Fantastic: Quadratic Trinomials

592405 VH
IMJ 17 min 2001 Benchmark Media
Math Series - Focuses on expanding and factoring quadratic expressions. Uses a variety of unusual examples to explain these techniques. Teacher's guide.

Factors (Algebra); Algebra; Mathematics

The Fastest Broom

NY1563 DM
MJ 2005 Teachers' Domain
The CyberSquad tests which broom can travel the furthest in five seconds in this video from Cyberchase.

Mathematics

Feed That Dog

NY1549 DM
IM 2001 Teachers' Domain
The CyberSquad solves the problem of giving equal parts of two apples to Cerberus, the three headed dog of Greek mythology, in this video from Cyberchase.

Mathematics

Figuring Out Elapsed Time

NY2043 DM
IM 2003 Teachers' Domain
In this video segment from Cyberchase, through addition and regrouping in base sixty, Matt helps Digit figure out what time his CyberSoufflé will be done.

Mathematics

Film Shoot: Day 2

NY1575 DM
IM 2005 Teachers' Domain
The CyberSquad reviews their budget for the second day of their film shoot in this video from Cyberchase.

Mathematics

Film Shoot: Day 3

NY1576 DM
IM 2005 Teachers' Domain
In this video segment from Cyberchase, the CyberSquad compares their budget with their actual spending from day three of their film shoot.

Mathematics

Film Shoot: Day 4

NY1577 DM
IM 2005 Teachers' Domain
In this Cyberchase video segment, the CyberSquad figures out how to incorporate a new scene into their film while staying within their budget.

Mathematics

Find Those Gleamers

NY1560 DM
MJ 2001 Teachers' Domain
The CyberSquad uses algebra to figure out how many gleamers they need and how many power glows are produced by each gleamer as they must power up a Cyberspace ship in this video from Cyberchase.

Mathematics

Finding the Circle's Center

NY1546 DM
IM 2004 Teachers' Domain
In this video segment from Cyberchase, the CyberSquad must find the exact center of a circle in order to save Motherboard.

Mathematics

Finding the Common Beat

NY2046 DM
IM 2001 Teachers' Domain
The CyberSquad figures out how to represent the patterns of music played by four instruments in this Cyberchase video segment.

Mathematics

Finding the Intersection

NY1595 DM
MJ 2006 Teachers' Domain
In this Cyberchase video, Inez and Digit identify the location of the transformatron using their knowledge of parallel and intersecting lines.

Mathematics

Mathematics

Finding the Right Combination of Clothes

NY1561 DM
MJ 2001 Teachers' Domain
In this video segment from Cyberchase, Harry has a fixed budget for clothing, so he must figure out what combination of jackets and pants he can buy with \$100.
Mathematics

Finding the Right Crystal

NY1587 DM
MJ 2004 Teachers' Domain
The CyberSquad has to find a crystal that is between 65% and 85% orange to power up their escape from Hacker in this video from Cyberchase.
Mathematics

Firefighter Training

NY2059 DM
MJ 2005 Teachers' Domain
In this video segment from Cyberchase, Harry decides to train as a firefighter and uses line graphs to chart his physical fitness progress.
Mathematics

Fixing the Teleporterâ*Part 1

NY1917 DM
IM 2004 Teachers' Domain
In this video segment from Cyberchase, the Teleporter breaks and the CyberSquad must try to fix it using clues given to them by Ms. Fileshare.
Mathematics

Fixing the Teleporterâ*Part 2

NY1919 DM
IM 2004 Teachers' Domain
The CyberSquad generates nine possibilities to solve a puzzle in this video segment from Cyberchase.
Mathematics

Flip and Fold: Seeing Symmetry

025119 VH
IMJ 14 min 1995 Children's Television Workshop
Math Talk - Geometry Series - Four segments ask students to imagine changing geometric figures to make them symmetrical. Teacher's guide folder (6 p.)
Mathematics; Symmetry; Geometry; Problem Solving

A Flooding Threat

NY1649 DM
IM 2001 Teachers' Domain
In this video segment from Cyberchase, the CyberSquad uses a graph to estimate how much the water level will rise in the Sensible Flats reservoir.
Mathematics

Folding Mathematics

025614 VH
PIMJ 15 min 1997 New Dimension Media
Shape, Space, and Measures Series - Demonstrates the mathematical principles involved in paper folding. Includes origami, kirigami, popups, and a visit to a box factory. Principles discussed are isosceles, equilateral, rhombus, tessellation, and pentomino. Hosted by Femi Oke, jazz/rap artist. Teacher's guide.
Art; Mathematics; Arts and Crafts

Force Field Combinations of Switches, Levers and Buttons

NY1923 DM
IM 2001 Teachers' Domain
In this Cyberchase video segment, the CyberSquad finds the right combination switch, lever and button that will deactivate the force field protecting the stolen Black Crystal.
Mathematics

Fox on the Job

022256 VH
P 30 min 1991 Lancit Media Productions
Reading Rainbow Series - Lazy fox spends a lot of time looking for the perfect job. LeVar explores some unique career opportunities.
Reading; Language Arts; Animals - Fiction; Mathematics; Careers

Fractions

593563 VH
P 23 min CA 2004 Schlessinger Video Productions
Math for Children Series - Closed-captioned. Students learn that fractions have equal parts of a whole. Demonstrates how to write, add, compare, and order fractions. Teacher's guide.
Fractions; Arithmetic

Fractions: Any Way You Slice It

000215 VH
IMJ 20 min 1995 PBS Video N
The Eddie Files Series - From the pizza parlor to the photo shop, Eddie learns how fractions can be used.
SETRC
Mathematics; Fractions

Fractions, Decimals, and Percents

NY1983 DM
MJ 1997 Teachers' Domain
This video from WOUB Athens and WVIZ Cleveland takes you step by step through a review of the math concepts of fractions, decimals and percents.
Mathematics

Frog Hops, Part 1

NY1596 DM
MJ 2003 Teachers' Domain
The CyberSquad tries to figure out how Hacker's cyberfrog moves when its various buttons are pressed, in this video from Cyberchase.
Mathematics

Frog Hops, Part 2

NY1597 DM
MJ 2003 Teachers' Domain
In this video from Cyberchase, the CyberSquad must figure out the new input/output pattern on Hacker's larger cyberfrog.
Mathematics

Galimoto

022252 VH
P 30 min 1991 Lancit Media Productions
Reading Rainbow Series - A young African boy searches for scraps of wire to make his "Galimoto." Offers insights into recycling and into the many uses for wire. Teacher's guide.
Recycling; Africa; Language Arts; Reading; Mathematics

The Gear Game/Perpetual Motion

593374 VH
IMJS 30 min CA 2003 ESPN-TV
SportsFigure Series - Closed-captioned. Mountain biker Travis Brown demonstrates torque, levers, gears, and ratios; skateboarder Tony Hawk examines perpetual motion, energy conservation, and mass. Teacher's guide.
Mathematics; Multiples (Mathematics)

Getting Ahead: Mathematics Series

For descriptions see individual titles:
Advanced Math Concepts [596824]
Estimating and Measuring [596823]
Problem Solving [596822]

Getting into Shapes: Playing with Polygons

025117 VH
IMJ 14 min 1995 Children's Television Workshop
Math Talk - Geometry Series - Three segments explore different aspects of shapes - how they fit together to form new shapes, how they can be subdivided into other shapes, symmetries of shapes, patterns involving shapes, and how shapes in two and three dimensions relate to each other. Teacher's guide.
Problem Solving; Polygons; Geometry; Mathematics

Mathematics

Gravity's Rainbow/Bouncing Basketballs

595816 VH
IJM 30 min CA 2006 ESPN-TV
SportsFigure Series - X Games
skateboarder Bob Burnquist determines the trajectory of a projectile using vectors; WNBA All-Star Pamela McGee explains why balls bounce and the coefficient of restitution.

Mathematics

Gravity's Rainbow/The Spin Doctor Is In

595699 VH
IMJ 30 min CA 2006 ESPN-TV
SportsFigure Series - X Games
skateboarder Bob Burnquist determines the trajectory of projectile using vectors; figure skater Sasha Cohen demonstrates energy-conservation laws, angular momentum, and rotational inertia.

Mathematics; Physics

The Greeks

026834 VH
PI 15 min 1999 Paul Davies
Math from History Series - Using re-enactments, puppet animation, location footage, and actors, this series shows the history of math. Pythagoras investigates perfect numbers, the Pythagorean Theorem, and the Greek love for mathematical reasoning. Study guide.

Mathematics; Civilization, Greek; Greece, Ancient

Gregory the Terrible Eater

041352 KT
PI 1984 GPN Educational Media
An integrated curriculum package that investigates the eating habits of people and animals. Contains 1 Book: GREGORY THE TERRIBLE EATER/ by Mitchell Sharmat - A very picky eater, Gregory the goat refuses the usual goat diet staples of shoes and tin cans in favor of fruits, vegetables, eggs, and orange juice; 1 Take-apart wooden sandwich; 1 VHS - Gregory, the Terrible Eater (28:52); Shoelaces; 2 Recipe/sandwich shop booklets; and 1 Curriculum Guide in a lunch box.

Mathematics; Recycling; Nutrition; Measurement; Sharmat, Mitchell

Grubby's Wacky Worms

NY1542 DM
IM 2006 Teachers' Domain
Wicked and Digit must solve a fraction problem in order to free the CyberSquad in this video from Cyberchase.

Mathematics

Hacker's Four-Zergen Game

NY1651 DM
IM 2001 Teachers' Domain
In this video segment from Cyberchase, the CyberSquad determines the fairness of a game in which there are three shapes distributed equally on nine squares.

Mathematics

Harry the Substitute Teacher

NY1573 DM
MJ 2005 Teachers' Domain
Harry and his students look at various arrangements of classroom desks in this video from Cyberchase.

Mathematics

Harry's Allergy

NY1562 DM
MJ 2005 Teachers' Domain
Harry keeps track of the number of times he sneezes in certain locations to try to diagnose the cause of his allergy in this video segment from Cyberchase.

Mathematics

Harry's Job at a Candy Store

NY1572 DM
MJ 2006 Teachers' Domain
In this video segment from Cyberchase, Harry uses fractions to pack boxes of truffles at a candy store.

Mathematics

Hexagons

NY1930 DM
IM 2004 Teachers' Domain
In this video segment from Cyberchase, the CyberSquad tessellates hexagons to finish crossing the lava river.

Mathematics

High Stakes Math

IMJS 12 min CA 1991
Scientific American Frontiers Series - Closed-captioned. Meet the Soviet mathematicians who designed the best-selling computer video Tetris and see how math is being used to predict earthquakes with startling accuracy.

Mathematics; Earthquakes; Computers

The Hoop Variable/Victory with Vectors

593301 VH
IMJ 30 min CA 2003 ESPN-TV
SportsFigure Series - Closed-captioned. Kenyon Martin uses basketball to demonstrate graphing, data analysis, and velocity; baseball's Barry Larkin examines vector addition. Teacher's guide.

Graphs; Mathematics; Addition

Hotel Animal

025412 VH
PI 29 min CA 1996 Lancit Media Productions
Reading Rainbow Series - Closed-captioned. Tells of the adventures of a pair of tiny lizards who visit the oversized Hotel Animal. LeVar Burton explores size relationships and proportions.

Reading; Language Arts; Mathematics; Size and Shape

How Far to Wells Road?

NY1540 DM
MJ 2003 Teachers' Domain
In this Cyberchase video segment, Bianca drives to visit her friend, but learns that she has incorrectly added decimal amounts, so she ends up at the wrong location.

Mathematics

How Many Jelly Beans?

NY1566 DM
IM 2001 Teachers' Domain
In this video segment from Cyberchase, Inez estimates whether she has enough jelly beans in her large container to decorate all of the cookies in her batch.

Mathematics

How Many Rails for the Detour?

NY1539 DM
MJ 2003 Teachers' Domain
The CyberSquad adds decimals to figure out how many rails they need to build a detour that will help them go around a mountain in this Cyberchase video segment.

Mathematics

How Much Is a Million?

040207 BB
P 2000 Scholastic Inc.
A magician leads young children into the world of large numbers. Author: David M. Schwartz. Illustrator: Steven Kellogg. 1 Big Book, 30 Books, 1 Audio Cassette, 1 Teacher's Guide. Reading level 3.4, Interest level K-3

Children's Literature; Animals - Fiction; Schwartz, David; Arithmetic

How Much is a Million?

026801 VH
P 10 min 2000 Weston Woods
Animated. With the help of Marvelosissimo the Mathematical magician the concepts of a million, a billion, and a trillion are not so intimidating. Study guide jacket.

Arithmetic; Kellogg, Steven; Children's Literature; Schwartz, David

Mathematics

How Much Is a Million?

024391 VH, DV
P 30 min CA 1995 GPN
Educational Media
Reading Rainbow Series - Closed-captioned. A magician leads young children into the world of large numbers. Visits a crayon factory and Giants' Stadium to explore the concept of millions. Teacher's guide. Host LeVar Burton. Author: David M. Schwartz; Illustrator: Steven Kellogg. DVD Contains: 1 Disc.
Kellogg, Steven; Animals - Fiction

Ice Ain't Easy/Breaking Energy

594629 VH, OF
IMJS 30 min CA 2005 ESPN-TV
SportsFigure Series - Closed-captioned. Figure skater Sasha Cohen explains heating curves, heat of fusion, and calorimetry. Tiger Schulmann uses karate to demonstrate kinetic energy, stress, and work. Teacher's guide.
Physics; Mathematics

Importance of the Origin

NY1655 DM
MJ 2001 Teachers' Domain
The CyberSquad tries to rescue the Cyberchase Council, which is being held captive by Hacker in this video segment from Cyberchase.
Mathematics

In a Land of Giants

NY1938 DM
MJ 2001 Teachers' Domain
In this video segment from Cyberchase, the CyberSquad must scale down a large boat to escape the land of Proporciona, a land of giants.
Mathematics

Integer Operations: Into the Negative Zone - Part 1, Adding and Subtracting

592400 DV
IMJ 18 min 2001 Benchmark Media
Math Series - Explores adding and subtracting negative numbers. Uses a variety of examples such as credit card balances and holes in a wood block. Contains: 1 Disc and In-case Teacher's guide.
Mathematics; Algebra

Integer Operations: Into the Negative Zone - Part 2, Multiplying and Dividing

592401 DV
IMJ 13 min 2001 Benchmark Media
Math Series - Explores multiplication and division of negative numbers. Includes pauses where students are given calculations to complete. Contains: 1 Disc and In-case Teacher's guide.
Algebra; Mathematics

Inventing Bar Graphs

NY1934 DM
IM 2003 Teachers' Domain
The CyberSquad creates a bar graph representing the amount of bugs that are infecting the Cyberchase Council from Cyberchase.
Mathematics

Inventing Negative Numbers

NY1656 DM
MJ 2001 Teachers' Domain
In this Cyberchase video segment, the CyberSquad locates the Cyberchase Council by using negative numbers.
Mathematics

Island of the Little

NY1936 DM
MJ 2001 Teachers' Domain
In this Cyberchase video segment, the CyberSquad is on the Island of the Little and must scale up a small boat that will fit Widgit.
Mathematics

It Figures! Problem Solving in Measurement Series

For descriptions see individual titles:
At the Zoo [026019]

June 29, 1999

023975 VH
P 30 min CA 1994 Lancit Media Productions
Reading Rainbow Series - Closed-captioned. A science project gone awry creates a whimsical world of science-fiction...or is it fact?
Science Fiction; Books and Reading; Wiesner, David; Mathematics; Children's Literature

Keeping Track of the New York City Marathoners

NY2045 DM
IM 2001 Teachers' Domain
In this video segment from Cyberchase, Bianca figures out a way to count the thousands of runners in the New York City Marathon.
Mathematics

Kitchen Math: Measuring

596011 DV
MJS 35 min 2005 Films Media Group
Demonstrates correct measuring techniques and teaches units of measure, equivalents, and basic math used in recipes. Contains: 1 Disc and Teacher's guide with worksheets.
Cookery; Measurement; Mathematics

Lemonade for Sale

590423 VH
PI 30 min CA 2001 GPN
Educational Media
Reading Rainbow Series - Closed-captioned. In the featured book, kids need money to fix up their clubhouse so they sell lemonade and track their daily sales. Host LeVar Burton learns about business at the Stock Exchange and two very different companies. Teacher's guide.
Business; Mathematics; Murphy, Stuart; Children's Literature

Length

026406 VH
MJS 30 min 1998 Film Ideas Inc
Modumath Measurement Series - Converting units of length within the United States customary and the metric system and converting between the two systems. Teacher's guide.
Measurement; Mathematics

Lights! Camera! Fractions!

020602 VH
PI 15 min 1985 Walt Disney
In a blend of live action, stop-action animation, and "clay-animation," film introduces young math students to the basics of fractions. Teacher's guide.
Fractions; Mathematics

Lily Pad Escape

NY1512 DM
MJ 2003 Teachers' Domain
In this video from Cyberchase, the CyberSquad uses a magic lily pad to escape from a desert island.
Mathematics

Linear Equations and Their Graphs: Let's Get It Straight - Part 2

592408 VH
IMJ 16 min 2001 Benchmark Media
Math Series - Basic concepts are applied to find equations for events such as a plane's takeoff, leveling off, and landing. Teacher's guide.
Graphs; Algebra; Mathematics

Linear Equations and Their Graphs: Let's Get It Straight - Part 1

592407 VH
IMJ 16 min 2001 Benchmark Media
Math Series - Live-action and computer animation demonstrate equations. Teacher's guide.
Mathematics; Graphs; Algebra

Mathematics

Linear Equations: $Ax+By=C$

590809 VH
MJS 35 min CA 2000 United Learning
Operation Algebra Series - Closed-captioned. Uses a movie theatre to introduce and illustrate linear equations in standard form and then graphs the equations. Uses football to illustrate the concept of interception. Teacher's guide with blackline masters.

Algebra; Mathematics

Lines, Angles, and Figures

NY1986 DM
MJ 1997 Teachers' Domain
This video from WOUB Athens and WVIZ Cleveland takes you step by step through a review of the math concepts of lines, angles, and figures.

Mathematics

Liquid Energy/Math Under Pressure

595634 VH
MJS 30 min CA 2006 ESPN-TV
SportsFigure Series - Closed-captioned. Wakeboarder Dallas Friday explores shock waves with a ski boat. Dr. Richard Murphy of the Cousteau Institute demonstrates hydrostatic pressure.

Mathematics; Physics

Little Nino's Pizzeria

041354 KT
PI 1990 GPN Educational Media
An integrated curriculum package that investigates a fast food favorite...the pizza parlor. Contains 1 Big Book: LITTLE NINO'S PIZZERIA/by Karen Barbour - Tony likes to help his father at their small family restaurant, but everything changes when Little Nino's Pizzeria becomes a fancier place; 1 Reading Rainbow apron; 1 VHS - Little Nino's Pizzeria (28:11); 3 Pizza rounds; and 1 Curriculum Guide in a pizza box.

Barbour, Karen; Careers; Poetry; Pizza; Food Service; Mathematics

Living with Diabetes

NY1939 DM
MJ 2000 Teachers' Domain
A patient discusses diabetes and how he manages his carbohydrate intake in this video segment from TV 411.

Mathematics

Lock Combinations of Knobs and Keys

NY1940 DM
IM 2001 Teachers' Domain
In this Cyberchase video segment, Matt and Jackie must figure out which combination of knob and key will get them one step closer to retrieving the Black Crystal.

Mathematics

M & M's Math

042625 BD
P 2000 Charlesbridge
2 Books: THE M&M'S COUNTING BOOK and MORE M&M'S MATH/both by Barbara McGrath. A sweet sweet way to learn math - especially for the new millennium. 3 Dolls: M&M Characters (red, yellow, orange).

Counting; Color; Mathematics

Making Music

023620 VH
IMJ 26 min 1994 Canadian Broadcasting Corp
Wonderstruck Presents Series - Music and science are a perfect mix-and-match. In five separate segments, learn about sound waves and conduction, acoustics, and resonance. Make a gutbucket, and visit a guitar maker, a still drum band, a glass orchestra, and more.

Musical Instruments; Mathematics; Music; Sound Waves

Making Popcorn Balls

NY1945 DM
MJ 2001 Teachers' Domain
In this Cyberchase video segment, Bianca uses multiplication to help her adjust the recipe for popcorn balls.

Mathematics

Making Rock Candy

NY1401 DM
IM 2006 Teachers' Domain
In this video segment from Cyberchase, two friends make rock candy while learning about 2-D and 3-D shapes.

Mathematics

Math 4 Real Series

For descriptions see individual titles:
Combined Probability [593502]
Enlargement [593504]

Math Cure

025905 VH
P 30 min CA 1998 Lancit Media Productions
Reading Rainbow Series - Closed-captioned. Based on the book "Math Curse", a hilarious look at how most everything in our lives is math related. Host LeVar Burton finds that neither a factory or our lives can run without math.

Scieszka, Jon; Children's Literature; Mathematics

Math for Beginners, Division

020892 VH
PI 12 min 1982 Coronet Instructional Films
An animated character called Calculating Kangaroo shows viewers basic facts about division. Includes division questions and answers that can be checked with a calculator.

Division

Math for Beginners, Multiplication

020893 VH
PI 12 min 1982 Coronet Instructional Films
Calculating Kangaroo takes the viewer to an animated underwater world where, despite a series of harrowingly delightful adventures, she teaches basic multiplication concepts. Includes multiplication problems that the viewer can solve manually or with a calculator.

Multiplication

Math for Beginners Series

For descriptions see individual titles:
Addition (Third Edition) [025420]

Math for Children Series

For descriptions see individual titles:
Addition [593580]
Decimals and Percents [593561]
Division [593562]
Fractions [593563]
Multiplication [593565]
Subtraction [593579]

Math for the Real World Series

For descriptions see individual titles:
Counting at the Zoo [596006]

Math from History Series

For descriptions see individual titles:
The Egyptians [026833]
The Greeks [026834]
The Romans [026836]

Math Series

For descriptions see individual titles:
Algebra: A Piece of Cake - Part 1 [591869]
Algebra: A Piece of Cake - Part 2 [592406]
Factoring is Fantastic: Common Factors [592404]
Factoring is Fantastic: Quadratic Trinomials [592405]
Integer Operations: Into the Negative Zone - Part 1, Adding and Subtracting [592400]
Integer Operations: Into the Negative Zone - Part 2, Multiplying and Dividing [592401]
Linear Equations and Their Graphs: Let's Get It Straight - Part 2 [592408]
Linear Equations and Their Graphs: Let's Get It Straight - Part 1 [592407]
Percentages That Make Sense! [592402]
Slopes: That's a Bit Steep! [592403]

Math Talk - Geometry Series

For descriptions see individual titles:
Flip and Fold: Seeing Symmetry [025119]
Getting into Shapes: Playing with Polygons [025117]

Mathematics

Math Talk - Measurement Series

For descriptions see individual titles:

All Shapes and Sizes: Measuring Perimeter and Area [025132]
Measured Steps: Measuring Length [025134]
Scoping Out the Area: Measuring Area [025133]
Sizing Things Up: Exploring Scale and Ratio [025121]

Math Talk - Number Sense Series

For descriptions see individual titles:

Soaring, Sequences: Thinking About Large Numbers [025124]

Math Talk - Probability and Statistics Series

For descriptions see individual titles:

The Data Game: Using Graphs [025130]
Take a Chance! Exploring Probability [025131]

Max's Money Adventure

026979 VH
PI 20 min 2000 Twisted Scholar
Max wants in-line skates and tries everything to get the money for them. Finally he opts to earn the money by opening a drive-through lemonade stand and becomes financially savvy.

Money; Mathematics; Finance, Personal; Economics

Meaningful Mathematics: Leading Students Toward Understanding and Application

596814 DV
T 2007 ASCD
Professional development DVD and user guide notebook are designed for elementary, middle, and high school math teachers who wish to help students better understand and apply mathematics. Observe teachers in action as they apply specific approaches. Chaptered for different grade levels. Contains: 1 Disc and Teacher's user guide notebook (185 p.)

Mathematics; Teachers' Training; Teaching

Measured Steps: Measuring Length

025134 VH
IMJ 14 min 1995 Children's Television Workshop
Math Talk - Measurement Series - Two segments focus on the various ways to measure length in inches and feet as well as centimeters. Also provides an example of estimating a length and rounding up to be sure to have enough. Teacher's guide.

Problem Solving; Measurement; Mathematics

Measurement and Unit Conversion

026408 VH
MJS 30 min 1998 Film Ideas Inc
Modumath Measurement Series - Overview of United States and metric systems and conversion factors. Teacher's guide.

Measurement; Mathematics

Measurement Collection

041574 KT
P 1995 Demco
Discovery Packs Series - A combination of fiction and non-fiction books with hands-on activities helps students learn about measurement. Contains 5 Books: LENGTH/by Henry Pluckrose - Photographs and text introduce the concept of length and how to measure it; WEIGHT/by Henry Pluckrose - Photographs and text introduce the concept of weight and how to measure it; CAPACITY/by Henry Pluckrose - Photographs and text help students discover the importance of knowing the difference between the capacity of a container and its weight; THE DOORBELL RANG/by Pat Hutchins - Each time the doorbell rings, there are more people who have come to share Ma's wonderful cookies; COUNTING ON FRANK/by Rod Clement - A boy and his dog Frank present amusing counting, size comparison, and mathematical facts; 1 Scale with 2 removable measuring cups; 1 Measuring tape; 1 Teacher's guide.

Measurement; Science; Mathematics

The Measurement Debate

NY1588 DM
MJ 2004 Teachers' Domain
In this Cyberchase video segment, the CyberSquad helps resolve a dispute about the squares on the Gollywood Walk of Fame.

Mathematics

Measurement: The Long and Short of It

597103 DV
IMJ 16 min CA 2007 Films for the Humanities
Closed-captioned. Emphasizing hands on practice, this program demonstrates the process of taking measurements and performing related calculations using both customary and metric rulers. Workbook includes lessons and worksheets. Contains: 1 Disc and Workbook (36 p.).

Measurement; Metric System

Measuring

596464 VH, DV
I 14 min CA 2006 Visual Learning Company
Closed-captioned. Explores how we measure things in our daily lives but also how observations are made by measuring things in science. Demonstrates measuring length, mass, volume, and temperature using common tools. Highlights the metric system. DVD contains optional English subtitles, video index, labeled slides, glossary, and video previews. Both contain Teacher's guide.

Measurement; Metric System

Measuring Different Lanes on the Track

NY1593 DM
MJ 2001 Teachers' Domain
In this video segment from Cyberchase, Bianca competes in her first track meet, but doubts the fairness of starting further back in the inside track lane for a 200 meter race.

Mathematics

Measuring Is Important

020154 VH
IMJ 17 min 1985 Barr Films
Presents an introduction to the definitions, uses, and importance of basic measurements such as length, weight, volume, time, and temperature. Discusses the logic of the metric system.

Physical Measurements; Metric System; Measurement

Measuring Length Precisely

NY1942 DM
IM 2001 Teachers' Domain
In this Cyberchase video segment, the CyberSquad must measure the length of the rope that will lower Digit from the ceiling to remove the voice box from a statue of Hacker.

Mathematics

Measuring Your World Series

For descriptions see individual titles:
Predicting the Future: Probability Theory in Statistics [595398]

Metric Measure Made Easy

023997 VH
PI 14 min 1974 AIMS Multimedia
Explains the metric system, paying close attention to the process of measurement and how the process applies using meters, liters, kilograms, and celsius. Stresses the decimal nature of the metric system.

Weights and Measures; Metric System; Measurement

Mathematics

Metric System

026407 VH
MJS 30 min 1998 Film Ideas Inc
Modumath Measurement Series - Identifying measurement for length, mass, and fluid volume and converting between metric units. Teacher's guide.
Measurement; Mathematics; Metric System

The Metric System

595782 KT, DV, DM
IMJ 80 min CA 2006 Visual Learning Company
The Metric System Series - Closed-captioned. A four-part unit on the metric system. Includes a basic introduction and directions on how to measure, use and convert between English and metric units. Each part includes interactive questions, quizzes, and activities. Kit contains: 4 VHS (Introduction to the Metric System, Metric Length and Temperature, Metric Mass and Volume, Metric Conversions - 20:00 each); a 30-page teacher's guide and student activity and assessment masters. The DVD contains same as kit (teacher and student guides are on the DVD) plus video index. Labeled slides, subtitles, and iMovie project.
Metric System

The Metric System Series

For descriptions see individual titles:
The Metric System [595782]

Modumath Measurement Series

For descriptions see individual titles:
Compound Denominate Numbers [026401]
Length [026406]
Measurement and Unit Conversion [026408]
Metric System [026407]

Money: Kids and Cash Series

For descriptions see individual titles:
All About Money [024811]

More Bidding Challenges

NY1890 DM
IM 2004 Teachers' Domain
In this video segment from Cyberchase, the CyberSquad must adjust their earnings strategy in order to win the bid for the Encryptor chip.
Mathematics

Multiplication

593565 DV
P 23 min CA 2004 Library Video Company
Math for Children Series - Closed-captioned. When joining equal groups together, multiplication is the way to figure out how many in all. Study the number sentences...factors, products, multiplication signs, equal signs, and master multiplication tips including ordering factors, fact families, multiplying by one and zero, skip counting, and using patterns. Covers symbols, multiplication tips and tricks, strategies, and hands-on manipulatives for visualization. Contains: 1 Disc with Discussion Questions, Chapter Select and In-case Teacher's guide.
Multiplication; Arithmetic

Multiplication

041532 KT
IMJ 1996 Prisma
Totally Cool Math Series - Explore ways for students to improve their mental multiplication. Covers halving and doubling, compatible factors, criss-cross, and more. Contains: 4 Video tapes (Totally Cool Math - Multiplication...Tape 1 - 17:50, Tape 2 - 27:15, Tape 3 - 28:50, Tape 4 - 22:40); and Teacher's resource manual with skill sheets.
Mathematics; Multiplication

Multiplication Rock

592091 VH
PI 30 min CA 1995 Buena Vista Corp
Schoolhouse Rock Series - Closed-captioned. Multiplication tables set to music. Songs are: My Hero Zero; Elementary My Dear (by Twos); Three is a Magic Number; Four-legged Zoo; Ready or Not, Here I Come (by Fives); I Got Six; Lucky Seven Sampson; Figure Eight; Naughty Number Nine; The Good Eleven, and Little Twelvetoos. Teacher's guide includes poster and song lyrics.
Mathematics; Multiplication

Multiplying Bigger Numbers

NY1643 DM
IM 2001 Teachers' Domain
In this video segment from Cyberchase, Inez, Jackie and Digit use multiplication to keep track of the number of clones.
Mathematics

Mummies Made in Egypt

020382 VH
P 30 min CA 1988 Lancit Media Productions
Reading Rainbow Series - Closed-captioned. Viewers of this program are invited to take an in-depth look at the ancient and fascinating world of mummies. Based on the book by Alike.
Egypt; Reading; Mathematics

My Shadow

023600 VH
P 30 min CA 1994 Lancit Media Productions
Reading Rainbow Series - Closed-captioned. Demonstrates how light and shadow can be used to tell time, create entertainment, and illustrate measurement.
Mathematics; Language Arts; Light; Reading

The Mystery and Magic of Mathematics: Martin Gardner and Friends

025608 VH
MJS 46 min 1996 New Dimension Media
"The universe is like a huge magic trick". Scientists, mathematicians, and magicians show how math plays into puzzles, magic, logic, philosophy, and science. A motivational tool. In two parts.
Mathematics

NASA Connect Series

For descriptions see individual titles:
The A Train Express [593923]
The Right Ratio of Rest: Proportional Reasoning [595115]

NASA SciFiles Series

For descriptions see individual titles:
The Case of the Great Space Exploration [594133]

Numbers All Around Us

023171 VH
P 13 min 1987 Journal Films
Beginning Math Series (Revised) - Demonstrates how numbers help us daily in different ways. For instance, they help us identify room numbers, addresses, and zip codes; they help us when we need to count things, and they keep things in order, such as page numbers in a book.
Arithmetic; Number Concept

Numbers and Quantities

598108 DV
NPI 30 min 2006 PBS Distribution
Special Kids Series - Designed to help special needs learners. Helps visually receptive learners acquire skills in counting, basic addition, and concept of quantities. Includes speech, reading, writing, and association to quantities. Contains: 1 Disc, 1 In-case Teacher's guide.
Special Education; Number Concept; Basic Concepts & Skills; Addition; Counting

Operation Algebra Series

For descriptions see individual titles:
Linear Equations: $Ax+By=C$ [590809]

Mathematics

Opt: An Illusionary Tale

022257 VH

P 30 min CA 1991 Lancit Media Productions

Reading Rainbow Series - Closed-captioned. Seeing isn't always believing as LeVar discovers when he enters a world made of optical illusions.

Art; Reading; Language Arts; Mathematics

Patterns

596051 DV

I 26 min CA 2004 Disney Educational Productions

Bill Nye the Science Guy Series - Closed-captioned. Your brain deals with information by finding patterns. Humans use math to define and describe these patterns. Bill Nye explores this world of patterns and how computers have opened up this study. Includes fully indexed "chapters" correlated to National Science Standards; interactive glossaries and quizzes; bonus footage; and on-disc implementation guides. Contains: 1 Disc.

Mathematics

Patterns

I 26 min CA 2000 Disney Educational Productions

Bill Nye the Science Guy Series - Closed-captioned. Your brain deals with information by finding patterns. Humans use math to define and describe these patterns. Bill Nye explores this world of patterns and how computers have opened up this study. Study guide jacket.

Computers; Mathematics

Patterns in Nature

NY1876 DM

IM 2005 Teachers' Domain

In this video segment from Cyberchase, a plant expert shows Bianca the patterns and symmetry found in nature.

Mathematics

Percent as a Means to Compare Fractions

NY1586 DM

MJ 2004 Teachers' Domain

In this Cyberchase video segment, the CyberSquad uses fractions and percents to compare the contest results of the Squitters, little creatures who love to jump.

Mathematics

Percentages in Basketball

NY1653 DM

MJ 2000 Teachers' Domain

WNBA athletes discuss attendance at basketball games in terms of percentages in this video segment from TV 411.

Mathematics

Percentages That Make Sense!

592402 VH

IMJ 22 min 2001 Benchmark Media

Math Series - Percentages are explored using applications ranging from the percentage of cappuccinos sold, to the population of sharks in an aquarium. Teacher's guide.

Algebra; Mathematics

Performance by Music of the Spheres

NY2063 DM

IM 2001 Teachers' Domain

In this video segment from Cyberchase, Music of the Spheres plays a song using the correct beats and patterns, which helps to restore balance and harmony at Mount Olympus.

Mathematics

Pizza Toppings

NY2062 DM

MJ 2001 Teachers' Domain

This Cyberchase video features Bianca who uses Venn Diagrams to make a pizza that satisfies the topping preferences of her friends.

Mathematics

The Power of the Whole Picture

NY1946 DM

IM 2003 Teachers' Domain

In this video from Cyberchase, the CyberSquad helps Ms. Fileshare realize that Hacker has been deceiving her as they take a look at the scale of a bar graph.

Mathematics

Powers of Ten

595660 DV

MJS 17 min 2000 Educational Innovations Inc.

A film dealing with the relative size of things in the universe. Starting at a picnic in Chicago, every ten seconds we view the scene from ten times further out to the outer edges of the universe. We then move back in and view our scene with ten times more magnification until we reach the proton of a carbon atom. Also includes an earlier version of the film and a half hour program on the design space of the filmmakers, Charles and Ray Eames, titled 901: After 45 Years of Working. Contains: 1 Disc.

Physics; Mathematics; Measurement

Predicting the Future: Probability Theory in Statistics

595398 DV

IMJ 16 min 2004 TMW Media Group

Measuring Your World Series - Examines the use of probability theory in statistics. Looks at how to determine possible outcomes and make predictions about the future behavior of people, events, and nature. Contains; 1 Disc and Teacher's guide.

Statistics; Probability; Problem Solving

Probability

I 26 min CA 1999 Disney Educational Productions

Bill Nye the Science Guy Series - Closed-captioned. Bill shows how to predict events. Uses comedy to explain the concepts of probability, bell curves, and prediction. Teacher's guide jacket and booklet.

Probability

Problem Solving

596822 DV

P 120 min 2006 New Dimension Media

Getting Ahead: Mathematics Series - Animated. Science fiction theme helps convey math concepts in 10 stand-alone programs. Covers time tables for 2, 5, and 10; addition and subtraction to 20; multiplying and dividing; and problem solving with distances, time lines, word puzzles, tables, and bar charts. Contains: 1 Disc.

Division; Addition; Problem Solving; Subtraction; Multiplication

The Puzzle of the Amulet of Amagansett

NY1579 DM

IM 2006 Teachers' Domain

In this video segment from Cyberchase, Wicked and Digit use what they know about fractions to figure out how many jewels are missing from the Amulet of Amagansett.

Mathematics

Pythagoras Triple/Bouncing Basketballs

595631 VH

MJS 30 min CA 2006 ESPN-TV

SportsFigure Series - Closed-captioned. Boston Red Sox catcher Jason Varitek demonstrates the Pythagorean theorem. WNBA All-Star Pamela McGee explains why balls bounce and the coefficient of restitution.

Mathematics; Physics

Mathematics

A Race to Motherboard

NY1571 DM

MJ 2005 Teachers' Domain
In this video from Cyberchase, the CyberSquad figures out how fast their broom must go so they can reach Motherboard before Wicked.

Mathematics

Raising the Bar

NY1558 DM

IM 2003 Teachers' Domain
Harry and Bianca's new boss at a concession stand uses bar graphs to keep records of their refreshment sales in this video from Cyberchase.

Mathematics

Reading a Ruler: English and Metric Measurement

026569 VH

IMJ 18 min 1994 Shopware Production

Part 1 of the lesson deals with English measurement, Part 2 deals with metric. Both cover finding exact measurements using a ruler. Includes quiz.

Metric System; Measurement

Reading a Thermometer

NY1877 DM

IM 2007 Teachers' Domain
In this video segment from Cyberchase, the CyberSquad learns how to read a thermometer as they try to keep their chocolate sculpture from melting.

Mathematics

Reading Rainbow Series

For descriptions see individual titles:

Alistair's Time Machine [022253]
Bugs [020346]
A Chair for My Mother [020301]
Dinosaur Bob and His Adventures with the Family Lizardo [020390]
Fox on the Job [022256]
Galimoto [022252]
Hotel Animal [025412]
How Much Is a Million? [024391]
June 29, 1999 [023975]
Lemonade for Sale [590423]
Math Cure [025905]
Mummies Made in Egypt [020382]
My Shadow [023600]
Opt: An Illusionary Tale [022257]
Ruth Law Thrills a Nation [023597]
Tar Beach [022816]
Three Days on a River in a Red Canoe [020306]
A Three Hat Day [020321]

Reclaiming the Power

NY1569 DM

MJ 2004 Teachers' Domain
The CyberSquad must equally divide a number of crumpets to reclaim the power stolen by Hacker in this video from Cyberchase.

Mathematics

Regents Review 2009: Math (A)

060421 VH, PB

JS 90 min 2009 WCNY Public Television

Review of the Math A regents.

Tests and Testing; Mathematics

Regents Review 2009: Math (B)

060427 VH, PB

JS 90 min 2009 WCNY Public Television

Review of Math B regents.

Mathematics; Tests and Testing

Restocking Shoes

NY1948 DM

IM 2003 Teachers' Domain
In this video from Cyberchase, Bianca uses data on past shoe sales to help her decide what quantities of each size she should order in the next shipment.

Mathematics

Retrieving 2/5 of Electro-Root

NY1553 DM

IM 2003 Teachers' Domain
In this video segment from Cyberchase, Jackie and Inez figure out how to break an Electro-Root into 2/5, one of the ingredients for the antidote to Motherboard's virus.

Mathematics

Retrieving 2/8 of the Healing Stone

NY1554 DM

IM 2003 Teachers' Domain
In this video segment from Cyberchase, Matt and Digit divide up the healing stone and discover equivalent fractions.

Mathematics

The Right Amount of Cupcake Mix

NY1570 DM

MJ 2004 Teachers' Domain
In this video segment from Cyberchase, Bianca doubles the ingredients in a cupcake recipe that includes fractional amounts.

Mathematics

The Right Ratio of Rest: Proportional Reasoning

595115 VH

IMJ 30 min 2005 NASA

NASA Connect Series - Students learn about the human circadian clock and how it affects peoples' daily lives. Students see how NASA scientists are studying the circadian timing system to improve astronauts physical and mental tasks while working in space. Conducting research to help astronauts sleep better in space also helps people on Earth with similar problems. The hands-on activity in this guide allows students to demonstrate how fractions, decimals, and percents are related and further develop their proportional reasoning skills. Teacher's guide.

Problem Solving; Ratio; Sleep; Mathematics

The Romans

026836 VH

PI 15 min 1999 Paul Davies

Math from History Series - Using re-enactments, puppet animation, location footage, and actors, this series shows the history of math and math in history. Reviews Roman numerals and the use of geometric concepts in the structures of Rome.

Rome - History - Empire; Civilization, Ancient; Mathematics

Running in Circles/Running on Time

595746 VH

MJS 30 min CA 2006 ESPN-TV

SportsFigure Series - Closed-captioned. Olympic sprinter Jeremy Wariner illustrates pi and the diameter and circumference of a circle. Darold Williamson explains the science behind timing races accurately.

Mathematics

Running with Momentum/Tracking Speed

592106 VH, OF

MJS 30 min CA 2002 ESPN-TV

SportsFigure Series - Closed-captioned. Football running back Napoleon Kaufman demonstrates momentum; decathlon athlete Dan O'Brien illustrates speed and acceleration. Teacher's guide.

Mathematics

Ruth Law Thrills a Nation

023597 VH

P 30 min CA 1994 Lancit Media Productions

Reading Rainbow Series - Closed-captioned. Explores the adventures of unsung heroines of aviation, from brainstorming days to modern aviation.

Women Air Pilots; Mathematics; Air Travel; Pilots; Reading

Scaling Up Photographs

NY1953 DM

MJ 2001 Teachers' Domain

In this Cyberchase video segment, Bianca volunteers to take over an important job at a copy shop. She must make a life-size copy of a photo of the King of Sloovoonia.

Mathematics

Mathematics

Schoolhouse Rock

592481 DV
PI 283 min CA 2002 Library Video Company

Schoolhouse Rock Series - Closed-captioned. Includes all of the Schoolhouse Rock songs that teach about money, grammar, history, science, and multiplication. Disc 2 contains bonus materials, games, and more. Contains: 2 Discs.

Music; Multiplication; Money; Science; Grammar; United States - History

Schoolhouse Rock Series

For descriptions see individual titles:
Multiplication Rock [592091]
Schoolhouse Rock [592481]

Scientific American Frontiers Series

For descriptions see individual titles:
High Stakes Math [590563]

Scoping Out the Area: Measuring Area

025133 VH
IMJ 14 min 1995 Children's Television Workshop

Math Talk - Measurement Series - Two segments build a concrete, visual understanding of area. If you know that the area of a rectangle is its length times its width, you can use that knowledge to find the area of any polygon. Teacher's guide.

Problem Solving; Mathematics; Polygons; Measurement; Area Measurement

Several Short Rails Make More Than A Whole

NY1646 DM
IM 2003 Teachers' Domain

In this video segment from Cyberchase, Hacker has sabotaged another section of the Madre Bonita Express track; Digit gets help from Deci in adding decimals to find the right size rail that will repair the track.

Mathematics

Shape, Shape, Shape Series

For descriptions see individual titles:
All Sorts [026369]
Boxes and Rectangles [026374]
Cones [026373]
Cubes and Squares [026371]
Cylinders [026372]

Shape, Space, and Measures Series

For descriptions see individual titles:
Folding Mathematics [025614]

Sharing Candy Among Gargoyles

NY1536 DM
IM 2006 Teachers' Domain
The CyberSquad must divide 35 candies evenly among seven gargoyles in this video segment from Cyberchase.

Mathematics

Sharing Halloween Candy

NY1535 DM
IM 2006 Teachers' Domain

In this video segment from Cyberchase, Jackie shows Buzz, Delete and Harold how to deal out rounds (or sets) of objects to solve a problem.

Mathematics

Sharp Wits in the Mystery of the Metric System

590400 VH
I 12 min CA 2001 Media Inc

Sharp Wits Series - Closed-captioned. Sharp Wits explore the metric system - learning what it is, who invented it, how it is different, and why use it. Teacher's guide jacket.

Measurement; Metric System

Sharp Wits Series

For descriptions see individual titles:
Sharp Wits in the Mystery of the Metric System [590400]

Shooting Vectors/Water Skiing in Circles

593372 VH
IMJS 30 min CA 2003 ESPN-TV

SportsFigure Series - Closed-captioned. Allison Fisher illustrates vectors on a billiards table; Rhoni Barton demonstrates speed, acceleration, and velocity on the slalom water skiing course. Teacher's guide.

Mathematics

A Simple Balance

NY1580 DM
IM 2001 Teachers' Domain

In this video segment from Cyberchase, Digit and the CyberSquad learn that equations are balanced when the same number is on each side.

Mathematics

Sizing Things Up: Exploring Scale and Ratio

025121 VH
IMJ 14 min 1995 Children's Television Workshop

Math Talk - Measurement Series - Three segments illustrate representing objects or situations by using scales. By multiplying all the measurements by the same number, we can draw a smaller picture (or make a model) of a large object, or a larger one of a small object. Teacher's guide.

Problem Solving; Mathematics; Ratio; Measurement

Skate-Off: Final Round, Inez vs. Rimm

NY1559 DM
MJ 2003 Teachers' Domain

In this Cyberchase video segment, the CyberSquad learns what happens to the area of a rectangle when the shape enclosed by the perimeter changes.

Mathematics

Skate-Off: Round One

NY1557 DM
MJ 2003 Teachers' Domain

In this Cyberchase video segment, the CyberSquad learns what happens to the area of a rectangle when the shape enclosed by the perimeter changes.

Mathematics

Skateboarding

NY1954 DM
MJ 2006 Teachers' Domain

In this video segment from Cyberchase, Bianca gets injured while skateboarding, so her friend brings her a device to use to reach objects while she's recovering in bed.

Mathematics

Slopes: That's a Bit Steep!

592403 VH
IMJ 24 min 2001 Benchmark Media

Math Series - The architecture of a contemporary museum is used to explore slopes and their calculations. Teacher's guide.

Mathematics; Algebra

Soaring, Sequences: Thinking About Large Numbers

025124 VH
IMJ 14 min 1995 Children's Television Workshop

Math Talk - Number Sense Series - Three segments introduce simple sequential processes which can produce large numbers from small ones very quickly. Teacher's guide.

Problem Solving; Mathematics; Number Concept

Solving an Equation for a Missing Value

NY1584 DM
IM 2001 Teachers' Domain

The CyberSquad solves a number puzzle to help save Motherboard in this video segment from Cyberchase.

Mathematics

Solving the Sphinx's Fraction Problem

NY1543 DM
IM 2006 Teachers' Domain

In this Cyberchase video segment, Wicked and Digit solve a fraction puzzle in order to move on in their quest to save the CyberSquad.

Mathematics

Mathematics

Special Kids Series

For descriptions see individual titles:
Numbers and Quantities [598108]

Speed of Ascent

NY1568 DM
MJ 2003 Teachers' Domain
In this video segment from Cyberchase, Hacker and the CyberSquad race to reach the Good Vibration on staircases that grow at different rates and have steps of varying sizes.
Mathematics

SportsFigure Series

For descriptions see individual titles:
The Calorie Cycle/Liquid Energy [595748]
Dr. of Yo-yology [595747]
Elastic Racquet/In Golf Gravitass [592012]
The Gear Game/Perpetual Motion [593374]
Gravity's Rainbow/Bouncing Basketballs [595816]
Gravity's Rainbow/The Spin Doctor Is In [595699]
The Hoop Variable/Victory with Vectors [593301]
Ice Ain't Easy/Breaking Energy [594629]
Liquid Energy/Math Under Pressure [595634]
Pythagoras Triple/Bouncing Basketballs [595631]
Running in Circles/Running on Time [595746]
Running with Momentum/Tracking Speed [592106]
Shooting Vectors/Water Skiing in Circles [593372]
The Sweetest Sound/Making Waves [596672]
The Terminal Velocity/Spin Doctor Is In [592104]
That Mu You Do/Inline Inertia [592013]
Track's Slippery Slope/Batting the Unknown [592015]
Walking on Water/Newton's Hat Trick [590455]

Squares

NY1955 DM
IM 2004 Teachers' Domain
The CyberSquad builds a raft out of squares in order to cross a river in this Cyberchase video segment.
Mathematics

The Squares Game

NY1652 DM
IMJ 2001 Teachers' Domain
In this video segment from Cyberchase, the CyberSquad determines the fairness of a game in which there are three shapes distributed equally on nine squares.
Mathematics

Staircases of Shangri-La

NY1565 DM
MJ 2003 Teachers' Domain
Hacker and the CyberSquad use two different staircases as they race to reach the Good Vibration in this video segment from Cyberchase.
Mathematics

Stomp

NY1956 DM
IM 2001 Teachers' Domain
In this video segment from Cyberchase, performers from STOMP! illustrate patterns using inventive and exciting rhythmic melodies.
Mathematics

Strengthening Your Math Students' Achievement, Motivation, and Involvement (Grades 7-12)

591580 AB
TA 2000 Bureau of Education & Research
An audio workshop designed to help math students grasp key concepts and develop math proficiency. Led by Irv Lubliner. Contains: 6 Audio cassettes; 1 Resource handbook.
Teachers' Workshops;
Mathematics; Teaching
(Secondary)

Strengthening Your Students' Math Problem-Solving Skills (Grades 3-8)

592071 AB
T 240 min 2002 Bureau of Education & Research
An audio workshop providing dozens of practical, hands-on strategies and real world math activities that teachers can use to excite students about learning math. Contains: 6 Audio cassettes, 1 Resource handbook.
Mathematics; Teachers' Workshops; Teaching (Elementary)

Subtraction

593579 VH
P 23 min CA 2004 Schlessinger Video Productions
Math for Children Series - Closed-captioned. Illustrates the concept of subtraction using concrete objects ranging from cookies to crayons. Covers number sentences and smart subtracting tricks and strategies. Teacher's guide.
Subtraction; Arithmetic

The Sweetest Sound/Making Waves

596672 VH
IMJ 30 min CA 2007 ESPN-TV
SportsFigure Series - Baseball pro Dan Uggla explores the science behind the sweet spot of a baseball bat; pro surfer Rochelle Ballard explains waves, wavelengths, standing waves, the electromagnetic spectrum, and frequency.
Math; Mathematics

Take a Chance! Exploring Probability

025131 VH
IMJ 14 min 1995 Children's Television Workshop
Math Talk - Probability and Statistics Series - Four segments demonstrate probability at work in our lives. Focuses on giving students a wealth of experience that will help build a basis for further work in this fascinating branch of mathematics. Teacher's guide.
Probability; Problem Solving;
Mathematics

Tar Beach

022816 VH
P 28 min CA 1993 Lancit Media Productions
Reading Rainbow Series - Closed-captioned. Hosted by LeVar Burton, read by Ruby Dee. A celebration of life above a city profiles a pigeon keeper and roof top gardener. Also takes a look at the George Washington Bridge. In-case Teacher's guide.
Bridges; Cities and Towns;
Mathematics

Teaching Mathematics to Increase Student Achievement - Intermediate Edition (Grades 3-5)

041558 KT
T 2000 Linton Professional Dev. Corp
Video Journal of Education Series - Reviews the five content standards and the five process standards created by the National Council of Teachers of Mathematics. Demonstrates ways to acquire and apply them in the intermediate classroom. Contains: 2 VHS (Improving Mathematics with Principles and Standards - 38:00 and Applying Standards in the Classroom - 44:00); 1 Audio cassette; 1 Guidebook.
Standards-Based Education;
Mathematics; Teaching
(Elementary)

Ten, Nine, Eight

040211 BB
P 2019 Scholastic Inc.
A good night counting book. Author: Molly Bang. 1 Big Book, 30 Books, 1 Teacher's Guide. Reading level 1.3, Interest level P-2
Children's Literature; Bang, Molly;
Counting

Mathematics

The Terminal Velocity/Spin

Doctor Is In

592104 VH, OF
JS 30 min CA 2002 ESPN-TV
SportsFigure Series - Closed-captioned. Discussing the laws of physics and acceleration, street luger Darren Lott explains how he can reach his terminal velocity; figure skater Sasha Cohen explains conservation laws, angular momentum, and rotational inertia. Teacher's guide.

Mathematics

That Mu You Do/Inline Inertia

592013 VH, OF
MJS 30 min CA 2002 ESPN-TV
SportsFigure Series - Closed-captioned. NASCAR driver Jeff Gordon explains friction; inline skating champion Jenny Curry illustrates the difference between weight and mass. Teacher's guide.

Racing; Physics; Automobile Racing; Mathematics

This Old Man

042619 BD
P 2000 Lakeshore Learning Materials
1 Book: THIS OLD MAN/illustrated by Pam Adams - This classic rhyme is brought to life. Book also uses math skills. Ten fabric items slip into their own numbered pockets on the old man storytelling doll's overalls. Contains: 1 Old Man Doll with 10 soft sculptured items (Bee hive, Heaven (gate on cloud), Tree, Door, Bricks, Clothes line, Shoe, White gate, Hen, and Drum); 1 Teacher's activity sheet.

Counting; Children's Literature; Addition; Nursery Rhymes; Mathematics

Three Days on a River in a Red Canoe

020306 VH
P 30 min CA 1983 Lancit Media Productions
Reading Rainbow Series - Closed-captioned. Presents a reading of the book THREE DAYS ON A RIVER IN A RED CANOE, by Vera B. Williams. Host LeVar Burton goes camping with a group of enthusiastic youngsters.

Mathematics; Canoes and Canoeing; Books and Reading; Camping

Three Equal Shares

NY1548 DM
IM 2001 Teachers' Domain
In this video segment from Cyberchase, the CyberSquad must divide a wreath into three equal parts to satisfy the demands of the Three Fates.

Mathematics

A Three Hat Day

020321 VH, DV
P 30 min CA 2008 GPN/WNED-TV
Reading Rainbow Series - Closed-captioned. R. R. Pottle the Third has an extraordinary collection of hats. Happiness eludes him because he is lonely and dreams of meeting a perfect wife who will, of course, be wearing a perfect hat. One day that was so bad that he wears not one, not two, but three hats at once, his dream comes true in the best possible way. Host LeVar Burton dons a jockey hat and finds himself in a race, a railroad hat and meets a collector of toy trains, and a hockey helmet and ends up at the N.Y. Islanders Hockey Team practice. DVD contains: 1 Disc and In-case Teacher's guide.

Mathematics; Lobel, Arnold; Books and Reading; Geringer, Laura; Hats

Tick Tock: All About the Clock

023203 VH
P 16 min 1992 Rainbow Educational Video
Shows how various types of clocks and watches aid in keeping track of time. Teacher's guide.

Mathematics; Time; Clocks and Watches

Time Management

NY2050 DM
IM 2000 Teachers' Domain
In this video segment from TV411, Ruby and her mom plan a schedule so she can complete her homework and still have time for friends and sports.

Mathematics

A Tip on Tipping

NY1957 DM
MJ 2000 Teachers' Domain
This TV 411 segment features a lesson from Question Man on how to informally calculate 15% tips at restaurants.

Mathematics

Tools in Science

596469 KT, DV, DM
MJ 80 min CA 2006 Visual Learning Company
Tools in Science Series - Closed-captioned. Prepare for science labs by learning to use the tools safely and effectively. Covers scales, beakers, rulers, thermometers, microscopes, and safety equipment. Contains: 4 VHS (Lab Equipment Safety, Measuring Mass and Volume, Measuring Length and Temperature, The Microscope - 20:00 each); 1 Teacher's guide. DVD contains all titles as well as Optional English subtitles, video index, labeled slides, glossary, video previews, iMovie project, and teacher's guide.

Measurement; Laboratory Techniques; Metric System; Science - Experiments

Tools in Science Series

For descriptions see individual titles: Tools in Science [596469]

Totally Cool Math Series

For descriptions see individual titles: Multiplication [041532]

Track's Slippery Slope/Batting the Unknown

592015 VH, OF
MJS 30 min CA 2002 ESPN-TV
SportsFigure Series - Closed-captioned. Five-time Olympic gold medalist Marion Jones demonstrates how graphs may be used for mathematic predictions; baseball's Troy Glaus uses algebraic variables to determine his batting average. Teacher's guide.

Mathematics; Physics

Transporting to Ms. Fileshare

NY1958 DM
IM 2004 Teachers' Domain
In this video segment from Cyberchase, the CyberSquad tries to reach Ms. Fileshare by using a 3 x 3 matrix to figure out the various ways they can travel to her.

Mathematics

Triangles

NY1959 DM
IM 2004 Teachers' Domain
In this video segment from Cyberchase, the CyberSquad finds that by arranging triangle tiles they are able to create a path that will allow them to cross a river of hot lava.

Mathematics

Tricking Hacker

NY1545 DM
IM 2004 Teachers' Domain
In this video segment from Cyberchase, the CyberSquad must reclaim the Totally Rad Ring by measuring its radius to create a perfect duplicate.

Mathematics

TV411 Think Math

595590 DV
SA 2005 TV411 Think Math
Teaches math skills in the context of real-life situations. Designed for adult learners. Contains 8 short videos, printable lesson plans, and handouts covering fractions, geometry, ratios, rates, data analysis, percent, and number patterns. Contains: 1 Disc; In-case instruction sheet.

Fractions; Ratio; Geometry

Two Points Determine a Line

NY1591 DM
MJ 2006 Teachers' Domain
In this video segment from Cyberchase, Digit must make a straight line between the two points and then follow the path created.

Mathematics

Mathematics

Two Sightings, Different Information

NY1592 DM

MJ 2006 Teachers' Domain

Jackie and Matt are looking at the same object along two different lines, in this video segment from Cyberchase.

Mathematics

An Unexpected Guest

NY1551 DM

IM 2005 Teachers' Domain

In this video segment from Cyberchase, Harry must adjust his dinner budget after his cousin, Harry, unexpectedly decides to join him on his date

Mathematics

Units of Measure

595996 BB

P 16 p. 2000 Newbridge

Educational Publishing

Introduces all types of measuring...centimeters, inches, meters, yards, kilometers, miles, grams, and ounces. Author: J.E. Osborne. 1 Big Book, 30 Soft cover books with units of measure chart and comparisons, 1 Audio cassette, 1 Teacher's guide. Level 14/H

Metric System; Measurement

Using a Coordinate Grid

NY1583 DM

MJ 2001 Teachers' Domain

In this Cyberchase video segment, the CyberSquad must locate each other using a map's grid to construct a coordinate system using letters and numbers.

Mathematics

Using Data Clusters to Find Hacker

NY2044 DM

IM 2001 Teachers' Domain

The CyberSquad searches for Hacker's castle based on a survey of where town residents have last seen him in this video from Cyberchase.

Mathematics

Using Grouping to Count Quickly

NY1913 DM

IM 2001 Teachers' Domain

In this Cyberchase video segment, the CyberSquad helps the Fairy Tale people save their king by teaching them how to count quickly by grouping.

Mathematics

Using Writing to Strengthen Your Students' Understanding of Math Concepts and Skills (Grades 3-6)

595321 DV

T 74 min 2005 Bureau of Education & Research

A video workshop presented by trainer Sue O'Connell. Explores techniques to help students use writing to strengthen their understanding of math concepts. Includes a wide array of lesson ideas for grades 3-6. Contains: 1 Disc and Resource guide.

Writing; Mathematics; Teaching (Elementary)

Video Journal of Education Series

For descriptions see individual titles:

Teaching Mathematics to Increase Student Achievement - Intermediate Edition (Grades 3-5) [041558]

Walking on Water/Newton's Hat Trick

590455 VH

MJS 30 min CA 2001 ESPN-TV

SportsFigure Series - Closed-captioned. Water-skier Rhoni Barton explains how equilibrium and force vectors enable a water-skier to stay atop the water; hockey player Mike Richter demonstrates Newton's three laws of motion at work in a hockey rink. Teacher's guide.

Mathematics

Wallpaper Tessellations

NY2040 DM

IM 2004 Teachers' Domain

In this video segment from Cyberchase, Harry uses tessellations to wallpaper his apartment.

Mathematics

What's a 360?

NY1538 DM

IM 2003 Teachers' Domain

In this Cyberchase video segment, Harry tries to snowboard and learns how to measure and identify many common angles.

Mathematics

What's in that Box of Cookies, Anyway?

NY1903 DM

MJ 2000 Teachers' Domain

In this video segment from TV 411, learn how to read nutrition labels on food containers and calculate the calorie content of different serving amounts.

Mathematics

When Does 50-50 Become 50-50?

NY1960 DM

MJ 2001 Teachers' Domain

In this video segment from Cyberchase, Bianca goes on a quest to find out if a coin toss really is a 50-50 proposition.

Mathematics

WNBA Supermom

NY2051 DM

IM 2000 Teachers' Domain

In this video segment from TV411, WNBA player Olympia Scott Richardson discusses her techniques for effective time management.

Mathematics

Wonderstruck Presents Series

For descriptions see individual titles:
Making Music [023620]

A World Tour of Clocks

NY2038 DM

IM 2001 Teachers' Domain

In this video segment from Cyberchase, learn about the workings of a variety of timekeepers.

Mathematics