

Product Catalog

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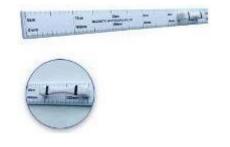
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Classroom Whiteboard Products



Whiteboard Compass

- Use regular whiteboard pens
- Suction cup keeps compass in place
- Whiteboard pen clip self-adjusts to any size pen
- Arms angled inwards to give closer vertical alignment of pen tip to whiteboard surface
- Superior quality and competitively priced



Magnetic Metre Ruler

- A professional looking ruler (1000 x 60 10mm) with magnetic backing for whiteboard use
- Holds the ruler against the whiteboard while ruling lines
- Puts the ruler within easy reach during teaching
- A different layout than normal. Centimetres are printed on the top of the ruler and millimetres are printed on the bottom so children can see that 2cm is the same as 20mm
- Superior quality and competitively priced



Magnetic Whiteboard Protractor

- Suitable for the construction and measurement of angles
- Transparent background plus bold fonts for visibility
- Ideal tool for classroom teaching
- Suitable for Primary/Secondary Schools



Whiteboard Demonstration Tools

- Plastic protractor & set squares
- Non-magnetic and with plastic handle
- Big and clear markings permit easy reading
- For demonstration on whiteboard and blackboard



Magnetic Tangrams

- Traditional Chinese puzzle
- Magnetic sheeting 15 x 15 cm
- Seven basic geometrical pieces
- Uses on steel-based boards
- Teaches spatial awareness
- Suitable for children over 5



Magnetic Counting Buttons

- 25 plastic buttons same colour
- Demonstrate addition & subtraction
- Show multiplication & division
- Uses ferrite magnets
- Bright primary colours used (blue, red, green)
- Suitable for children over 5



Magnetic Hooks

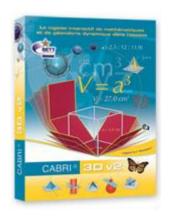
- Set of 5 pieces
- Hooks measure 1.25" in diameter and hold up to 13 pound
 each
- Stick on metal filing cabinets and other magnetic surfaces
- Works for hanging and organizing pocket charts, flip books and more



Magnetic Construction Kits

- 45 magnetic bars & 24 balls
- Creative teaching aid
- Introduces magnetism to children
- Teaches spatial awareness
- Make polygon shapes
- Great starter kit as children can discover different structures
- Easy to build, and easy to take apart

Software



Cabri 3D v2

- Enable to alleviate the construction difficulties and that also contains the benefits of interactive geometry
- Construct, visualize, manipulate, explore, conjecture and demonstrate solid geometry constructions, from the simplest to the most complex
- Basic constructions with planes, spheres and lines. Able to construct pyramids, parallelograms, cylinders and cones with a click of the mouse
- Students can determine the planar sections of convex polygons
- Unfolds all polyhedron into nets and are printable
- Find measurements related to objects like distances, lengths, area, volumes and angles, and use them in calculation
- Move your constructions freely to be observed from any viewpoint
- Animation tools enable them to simultaneously put several elements of a construction in motion
- Ideal for modeling physical phenomena

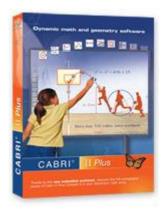
Type of License:

- Individual License
- Classroom License (for 10 computers)
- School License
- Student License



Martin Gardner's Mathematical Games

- The entire collection of his scientific columns
- Martin Gardner introduced hundreds of thousands of readers to the delights of Mathematics and of puzzles and problem solving
- All of Martin Gardner's Mathematical Games books on one disk in a searchable database



Cabri II Plus

- Basic tools borrowed from traditional design tools like compass and T-squre
- Advanced tools that display the paths of geometrics figures when they are distorted and able to add or subtract constraints on the relationship between objects in the figure
- Numeric and algebraic tools that produce coordinate points, equations of lines, graphical representations of functions and tables
- Simultaneously follow the work of several students by replaying each of their actions step-by-step
- Able to create your own tools in order to remake frequently used constructions in just a few clicks
- Design "Black Box" tools whose functions are to be discovered by the students
- Modify the toolbar to fit the level of the class or the planned activity
- Import/export files between the teacher's computer and the students' graphing calculators, from Cabri II Plus to the free application Cabri Jr. which is available on <u>TI-84 Plus</u> calculators

Type of License:

- Individual License
- Classroom License (for 10 computers)
- School License
- Student License



Mathematical World

- Full-colour photographs in Mathematical World: Exploring Mathematics through Photographic Images challenge students to reflect on the Mathematics at work in the world around them
- Related word problem accompanies each of these beautiful photographs and invites students to think through the exciting Mathematical challenges the photos present, while stimulating curiosity in Mathematics
- Depicting a wide range of intriguing everyday objects, historical artifacts, and patterns in the natural world, the images promote visual and spatial reasoning, problemsolving skills, interest in the history of Mathematics
- Encourage students to creatively explore Mathematics in their own world
- WINDOW only CD

TI Handheld Technology

Learning InterActive is the sole instructional dealer of **Texas Instruments (TI)** calculators and accessories for Singapore. Through our long standing partnership, we have been instrumental in introducing and promoting the extensive use of TI Graphing Calculators in **Junior Colleges** as well as for **Integrated Programs Curriculum**. The concept of integrating technology into learning is one of which is not new to us and through our team of qualified consultants, we endeavor to help teachers and students keep abreast with the latest instruments in Mathematics technology.



TI-84 Plus CE

- Lighter and thinner than previous generation of TI-84 Plus family of graphing calculators
- High resolution, full-color backlit display
- TI Rechargeable Battery
- Import and use images



TI Charging Station CE

- Recharges up to 10 calculators at a time
- Stores calculators as they recharge
- Compatible with TI-84 Plus C Silver Edition calculators



TI-Nspire™ CX II calculator

- Backlit, high-resolution LCD. Thin and sleek graphing calculators.
- Faster Performance, easy to read graphics and more
 memory space.
- Use digital images or your own photos. Overlay and color-code math and science concepts. Discover real-world connections
- TI-NspireTM Rechargeable Battery, installed in the TI-Nspire CXII calculators, is expected to last up to two weeks of normal use on a single charge.



TI-Nspire™ CX II CAS calculator

- Work like TI-NspireTM CXII calculator
- Explore symbolic algebra and symbolic calculus, in addition to standard numeric calculations. View exact values (in the form of variables such as x, y and π) when doing arithmetic, algebraic and calculus calculations.
- CAS Mode can be turn off /on.



TI-Nspire™ CX Docking Station

- Holds up to 10 calculators
- Keep the rechargeable batteries fully charged
- Support TI-Nspire[™] CX and TI-Nspire[™] CX CAS calculators



TI-89 Titanium

Offering new features, preloaded Apps, and even more versatility. A built-in USB port makes data transfer ultraconvenient. Plus, with three times the memory of the TI-89, you can store more Apps, data, and programs.

- 16 preloaded Graphing Calculator Software Applications (Apps), including EE*Pro®, CellSheet™ & NoteFolio™
- Three times the Flash memory of TI-89
- Built-in USB port with cable
- All of the features & functionality of TI-89



TI-BAII Plus™

Finance and science capabilities include:

- Time-Value-of-Money calculations
- Amortization schedules
- Cash-flow analysis, NPV and IRR
- Depreciation with four different methodologies
- Breakeven, profit and percent difference calculations
- 2nd key features to calculate terms fast

The BAII Plus™ is ideal for Accounting, Economics, Finance, Marketing, Real Estate, Statistics as well as on the Chartered Financial Analyst® (CFA) exam.



TI-BAII Plus™ Professional

In addition to standard capabilities of BAII Plus™, BAII Plus™ Professional also includes:

- Net Future Value (NFV)
- Modified Internal Rate of Return (MIRR)
- Modified Duration
- Payback
- Discount Payback

Feature even more time-saving calculations to make short work of complex equations. Ideal for finance, accounting, economics, investment, statistics, and other business classes, as well as on the Chartered Financial Analyst® (CFA) exam.



TI-30XB MultiView™

Designed with unique features that allow you to enter more than one calculation, compare results and explore patterns, all on the same screen.

View and perform fraction computations and explorations in familiar textbook format.



TI-36X Pro

Advanced, four-line display scientific calculator, with higher level maths and science functionality, is ideal for computer science and engineering courses in which graphing technology may not be permitted.

Choose from three solvers: numeric equation, polynomial and system of linear equations.



TI-108

Durable low-cost school calculator appropriate for Mathematics Grade K-3.

- Negative sign: Appears to the left of the number displayed
- ANYLITE™ solar power: Operate in low light; never needs batteries
- Plastic keys: Tamper proof and cannot be removed
- Large keys: Grouped and color coded by related functions



TI-Rechargeable Battery

TI- Rechargeable Battery (sold separately) suitable for TI Handhelds that uses Rechargeable Battery.

Using the USB cable included in the TI- handheld packaging to charge the battery. Expected to last up to two weeks of normal use on a single charge.



CBL 2™

A portable, handheld data collection device for gathering real-world data. Data collected with a CBL 2^{TM} device can be retrieved and analyzed by TI graphing calculators. Measure motion, temperature, light, sound, pH, force and much more with CBL 2^{TM} and appropriate sensors.



CBR2

Data collection device designed for teachers who want their students to collect and analyze real-world motion data, such as distance, velocity and acceleration.

Great for algebra through calculus and statistics, physical science and physics.



TI-Innovator™ Hub (New)

A Project kit that extends the functionality of Texas Instruments graphing calculators to make coding and engineering design accessible to students in the classroom.

- TI Launchpad™ Technology used by professional engineers in the field – is built in, giving students early exposure to professional applications
- Plug-and-play and ready-to-use with TI-graphing calculators
- Build own projects and connect Science,
 Technology, Engineering and Math (STEM) concepts
- Multiple input and output ports expand TI-Innovator™ Hub capability to motivate students to imagine, design, build and test creative solutions
- Write Code to program working solutions that actuate a red-green-blue LED, single red LED, light brightness sensor and speaker built into TI-Innovator™ Hub
- TI-Innovator™ Hub is enclosed in a durable case that is ready for classroom use

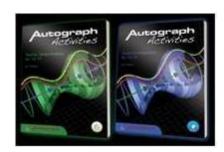


TI-Innovator™ Rover (New)

Students program Rover to put Maths and Science in motion, adding a physical dimension to verbal, symbolic and graphic representations. Rover provides an accessible on-ramp to more advanced coding, STEM and robotics projects.

- TI-InnovatorTM Rover is out-of-the box ready to connect to the TI-InnovatorTM Hub, which is placed in a special bay on Rover.
- Either TI-84 Plus CE graphing calculator or TI-NspireTM CX handheld is secured with clamps on top of Rover.
- Rover is an introduction to coding and robotics. The simple programming language that is built into TI graphing technology makes it easy to program the system, run it and troubleshoot to correct or finetune performance.
- Durable, rechargeable battery powers Rover's two motor. The vehicle also includes a color sensor; a distance sensor; an LED display; a holder for a marker to draw paths on paper; and a gyroscope to measure heading
- Rover's design allows for access to the TI-Innovator[™] Hub input and output ports, so students can add additional capabilities to their Rover experience

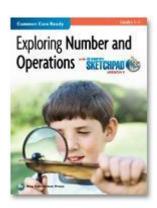
Printed Materials



Autograph Activities

Author: C N Barton

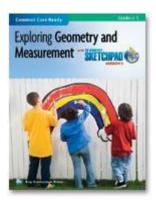
Teacher Demonstrations book and Student Investigations book come with a CD with support materials for each chapter. Great materials to work together with <u>Autograph software</u>.



Exploring Number and Operations with The Geometer's Sketchpad

This collection of Sketchpad activities is an excellent introduction to The Geometer's Sketchpad for both students and teachers, and give students the opportunity to explore:

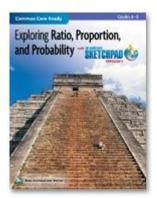
- Operations and Algebraic Thinking
- Number and Operations in Base Ten
- Number and Operations Fractions



Exploring Geometry and Measurement with The Geometer's Sketchpad

This collection of Sketchpad activities addresses geometry and geometric measurement concepts, and allows for deep engagement with these areas:

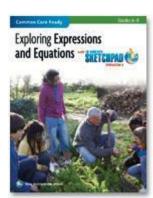
- Develop understanding of the structure of rectangular arrays and of area
- Describe and analyze two-dimensional shapes
- Understand that geometric figures can be analyzed and classified based on their properties, such as having parallel sides, perpendicular sides, particular angle measures and symmetry



Exploring Ratio, Proportion, and Probability with The Geometer's Sketchpad

This collection of Sketchpad activities allows students to explore concepts and develop skills related to:

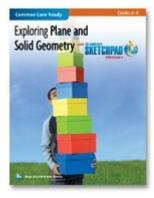
- Scatter plots, function graphs, tables and equations
- Rate and slope
- Scale models
- Areas of similar shapes



Exploring Expressions and Equations with The Geometer's Sketchpad

This collection of Sketchpad activities gives students the opportunity to explore content from the domain of expressions and equations, as well as functions. Students explore concepts and develop skills related to:

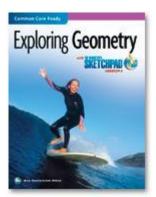
- Equivalent expressions
- Positive and negative exponents
- Inputs, outputs and linear and non-linear functions
- Time-distance graphs and time-speed graphs
- Quadratic functions



Exploring Plane and Solid Geometry with The Geometer's Sketchpad

Through these Sketchpad activities, students explore content from the domain of geometry and develop skills related to:

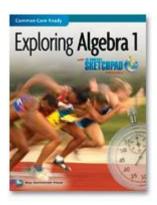
- Isosceles and right triangles
- The Pythagorean Theorem
- Translations, rotations and reflections
- Areas of parallelograms, triangles, trapezoids, circles and regular polygons
- Spatial visualization and three-dimensional models



Exploring Geometry with The Geometer's Sketchpad

This curriculum module covers virtually every concept studied in high school geometry. The activities will help your students visualize geometry concepts, make and test conjectures and justify their conclusions and deeply explore content related to:

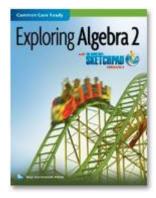
- Constructing geometric figures
- Transformations and tessellations
- Areas of polygons and circles
- Introductory trigonometry
- Modeling with mathematics



Exploring Algebra 1 with The Geometer's Sketchpad

This collection of Sketchpad activities builds upon the strengths of dynamic mathematical representations to enrich the study of first-year algebra, covering such topics as:

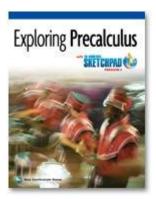
- Ratios and exponents
- Algebraic expressions
- Solving equations and inequalities
- Coordinates, slopes and distance
- Variation and linear equations



Exploring Algebra 2 with The Geometer's Sketchpad

This collection of Sketchpad activities greatly enhances the study of functions. Students:

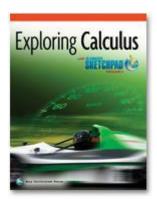
- Manipulate visual models and construct algebraic objects and graphs
- Explore linear, quadratic, exponential, logarithmic and rational functions through graphs, tables and equations
- Model relationships between quantities and interpret their results both mathematically and within problem contexts
- Move among equivalent quadratic equations and apply lessons from geometric transformations to transform functions.



Exploring Precalculus with The Geometer's Sketchpad

The Sketchpad activities in this collection give students the opportunity to directly experience, through dynamic visualization and manipulation, the topics covered in precalculus. Students:

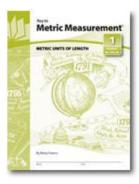
- Transform functions dynamically
- View and modify entire families of functions polynomial, exponential, logistic and more
- Build parametric functions and manipulate vectors and matrices
- Discover the relationship between rectangular and polar coordinates
- Make complex numbers come alive on the coordinate plane
- Finish with a dynamic, visual introduction to the main concepts of calculus



Exploring Calculus with The Geometer's Sketchpad

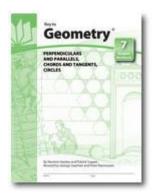
This collection of Sketchpad activities enriches your students' study of calculus, empowering them to directly experience the dynamic, geometric nature of calculus in a hands-on format. Students' understanding will deepen as they:

- Dynamically control the number of subintervals in a partition and see the area measurement change instantaneously
- Explore the relationship between the graphs of an equation, its derivative and its second derivate as the original equation changes
- Investigate changes of position and velocity, leading to an exploration of rates of change and limits at infinity



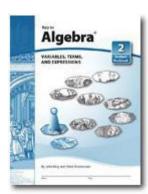
Key to Metric Measurement®

- Book 1: Metric Units of Length
- Book 2: Measuring Length and Perimeter Using Metric Units
- Book 3: Finding Area and Volume Using Metric Units
- Book 4: Metric Units for Weight, Capacity, Temperature and Time



Key to Geometry®

- Book 1: Lines and Segments
- Book 2: Circles
- Book 3: Constructions
- Book 4: Perpendiculars
- Book 5: Squares and Rectangles
- Book 6: Angles
- Book 7: Perpendiculars and Parallels, Chords and Tangents, Circles
- Book 8: Triangles, Parallel Lines, Similar Polygons



Key to Algebra®

- Book 1: Operations on Integers
- Book 2: Variables, Terms and Expressions
- Book 3: Equations
- Book 4: Polynomials
- Book 5: Rational Numbers
- Book 6: Multiplying and Dividing Rational Expressions
- Book 7: Adding and Subtracting Rational Expressions
- Book 8: Graphs
- Book 9: Systems of Equation
- Book 10: Square Roots and Quadratic Equations



Mathercise

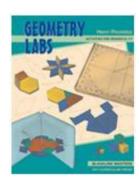
- Book A for students not yet taking beginning algebra.
- Book B for students taking pre-algebra, algebra.
- Book C for students taking algebra, geometry.
- Book D for students taking geometry, advanced algebra. Some exercises involve graphing functions.
- Book E for students taking advanced algebra, precalculus. Some exercises involve graphing functions, including sine and cosine functions.



Miquon Math Materials

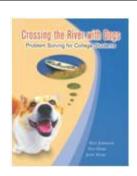
Six student workbooks cover:

- Counting
- Odd-even
- Addition, Subtraction, Multiplication and Division
- Place Value
- Factoring and Squaring
- Length, Area and Volume
- Series and Progressions
- Mapping
- Word Problems and more...



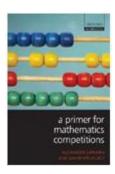
Geometry Labs

Hands-on activities that harness the power of manipulative to teach important ideas in Geometry. These 78 activities have enough depth to provide excellent opportunities for discussion and refection for both middle school and high school classrooms.



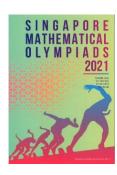
Crossing the River with Dogs

Textbook adapted specifically for higher education. The authors continue their popular approach of explaining classic as well as non-traditional strategies through dialogs among fictitious students. Instructor resources are available.



A Primer for Mathematics Competitions

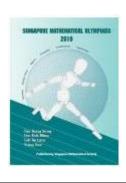
Provide a comprehensive training resource for competitions from local and provincial to national Olympiad level, containing hundreds of diagrams, and graced by many lighthearted cartoons. Feature a large collection of non-routine, provocative, fascinating, and challenging problems, with elegant solutions.



Singapore Mathematical Olympiad Solution Book 2021

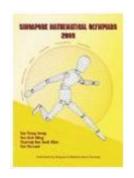
Included all the questions and their detailed solutions of the competition in 2020





Singapore Mathematical Olympiad Solution Book 2010

Included all the questions and their detailed solutions of the competition in 2010



Singapore Mathematical Olympiad Solution Book 2009

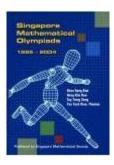
Included all the questions and their detailed solutions of the competition in 2009



Singapore Mathematical Olympiad

Solution Book 2008

Included all the questions and their detailed solutions of the competition in 2008



Singapore Mathematical Olympiad Solution Book Ten Years Series (1995 – 2004) A4 Size

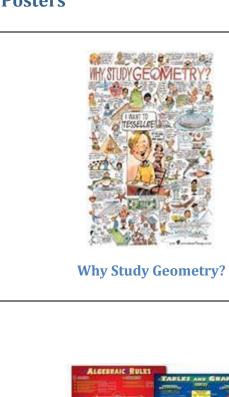
Consist of all the solutions to all the competitions in the ten years from 1995 to 2004 by Singapore Mathematical Society's effort. Meeting students' needs for the questions and solutions to earlier publications which have been out-of-print.

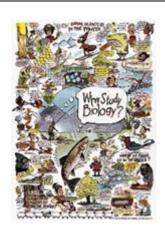
Singapore Mathematical Mathematical Mathematical Mathematical Jeps-2004 State of the state of t	Singapore Mathematical Olympiad Solution Book Ten Years Series (1995 – 2004) A5 Size Consist of all the solutions to all the competitions in the ten years from 1995 to 2004 by Singapore Mathematical Society's effort. Meeting students' needs for the questions and solutions to earlier publications which have been out-of-print.
Singapore Mathematical Olympiads BOOS - 2500	Singapore Mathematical Olympiad Solution Book Five Years Series (2005 – 2009) Consist of all the solutions to all the competitions in the five years from 2005 to 2009 by Singapore Mathematical Society's effort. Meeting students' needs for the questions and solutions to earlier publications which have been out-of-print.
Singapore Mathematical Mathematical Olympiads Olympiads 2010-2014	Singapore Mathematical Olympiad Solution Book Five Years Series (2010 – 2014) Consist of all the solutions to all the competitions in the five years from 2005 to 2009 by Singapore Mathematical Society's effort.
2021	National Mathematical Olympiad of Singapore Solution Book 2021 Questions and their detailed solutions of NMOS 2021. Level of difficulty is pitched at Primary Five level.

2019	National Mathematical Olympiad of Singapore Solution Book 2019 Questions and their detailed solutions of NMOS 2019. Level of difficulty is pitched at Primary Five level.
2018	National Mathematical Olympiad of Singapore Solution Book 2018 Questions and their detailed solutions of NMOS 2018. Level of difficulty is pitched at Primary Five level.
2017 Note of the state of the	National Mathematical Olympiad of Singapore Solution Book 2017 Questions and their detailed solutions of NMOS 2017. Level of difficulty is pitched at Primary Five level.
2016 Z	National Mathematical Olympiad of Singapore Solution Book 2016 Questions and their detailed solutions of NMOS 2016. Level of difficulty is pitched at Primary Five level.
2015 N	National Mathematical Olympiad of Singapore Solution Book 2015 Questions and their detailed solutions of NMOS 2015. Level of difficulty is pitched at Primary Five level.

	<u>, </u>
2014 N	National Mathematical Olympiad of Singapore Solution Book 2014 Questions and their detailed solutions of NMOS 2014. Level of difficulty is pitched at Primary Five level.
2013 X	National Mathematical Olympiad of Singapore Solution Book 2013 Questions and their detailed solutions of NMOS 2013. Level of difficulty is pitched at Primary Five level.
2012 N	National Mathematical Olympiad of Singapore Solution Book 2012 Questions and their detailed solutions of NMOS 2012. Level of difficulty is pitched at Primary Five level.
2011	National Mathematical Olympiad of Singapore Solution Book 2011 Questions and their detailed solutions of NMOS 2011. Level of difficulty is pitched at Primary Five level.

Posters





Why Study Biology?



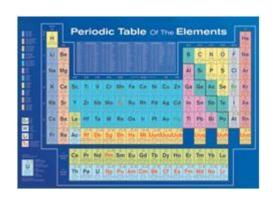
Algebra Bulletin Board Set



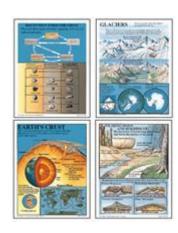
Patterns in Math



Visualizing Blood



Periodic Table of Elements



Earth Science



Simple Machines Door Poster



Order of Operations Door Poster



Geometry Formulas Door Poster



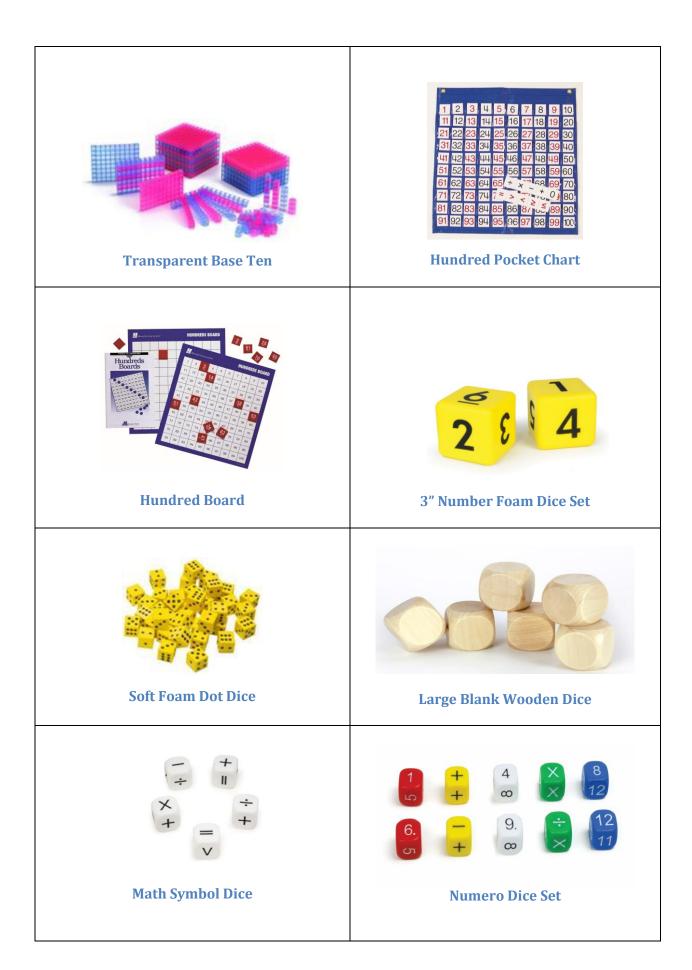
100 Favorite Calender Problems Poster



Electricity Door Poster

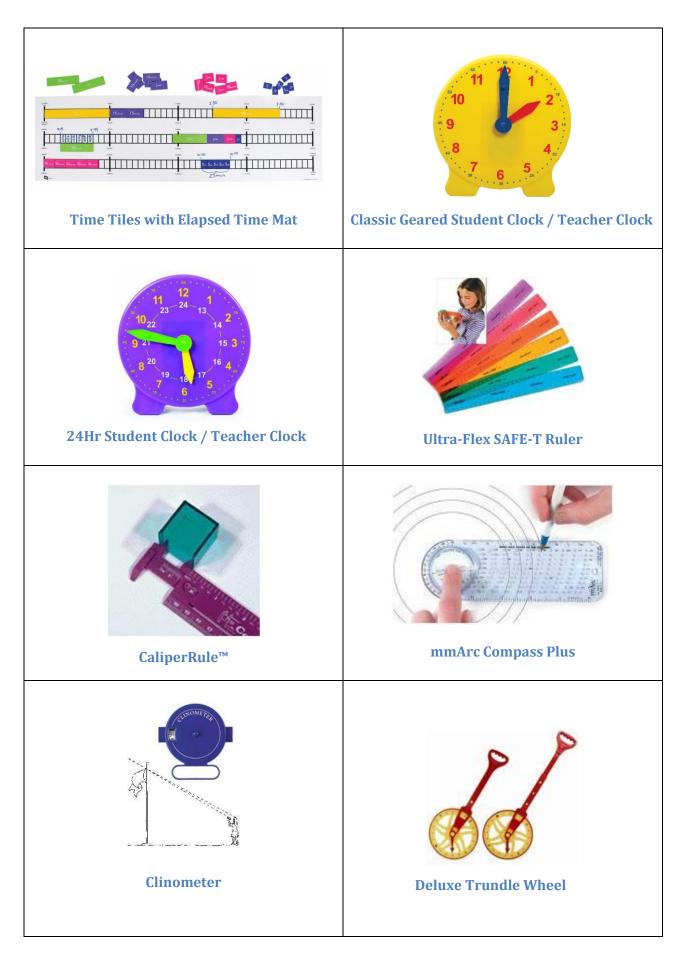
Manipulatives



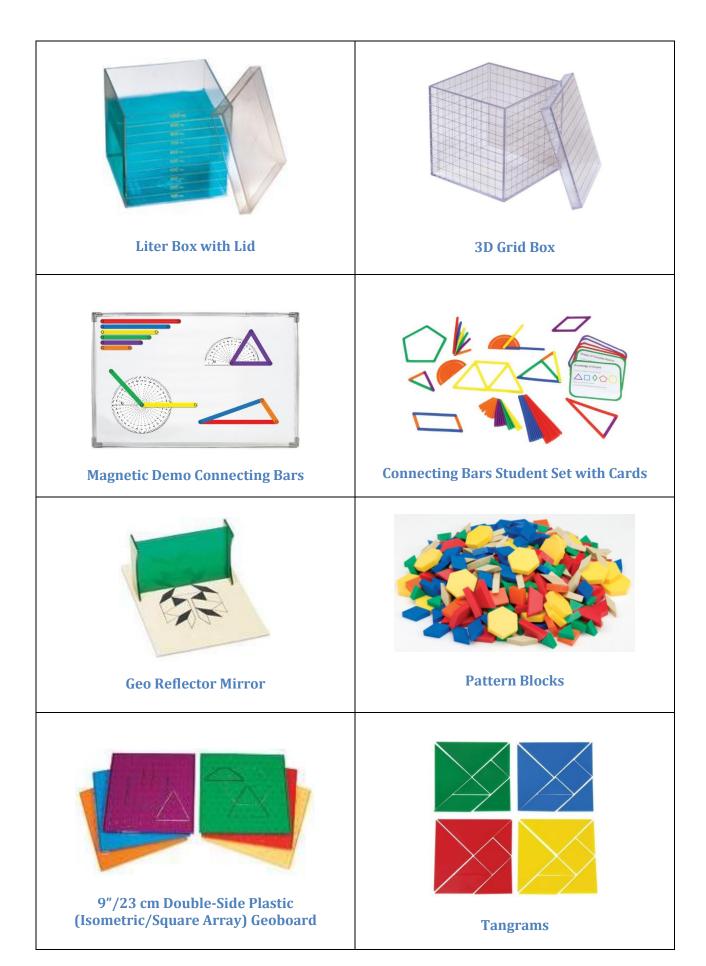


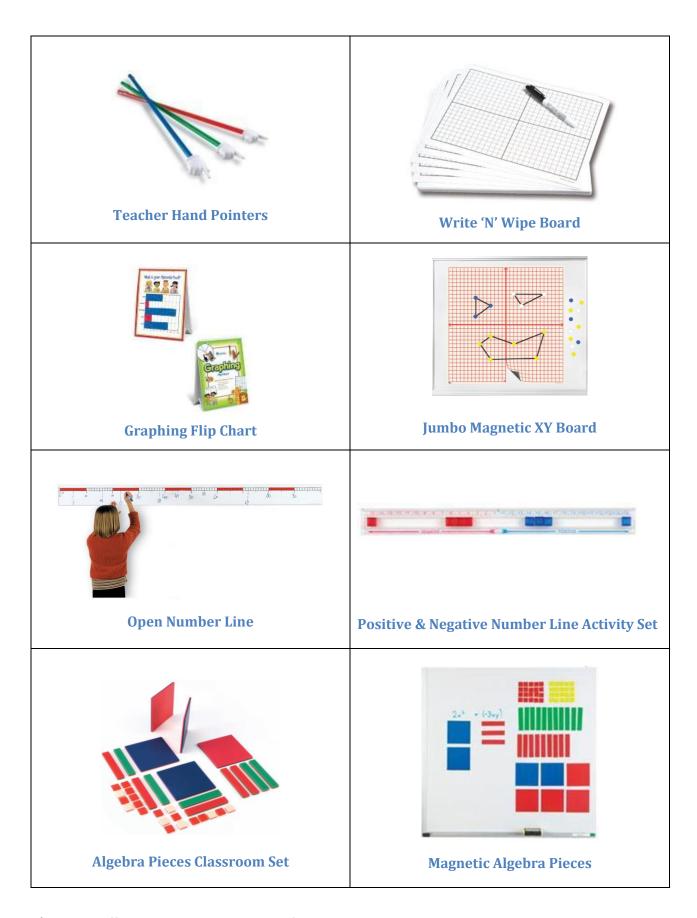












^{*} We also offer other alternative model of manipulative.

Puzzle & Game

