

GEOMETRY

EXCITE-ABILITY IN MATH : GEOMETRY

Grades 4 & up

An activity book, *Explore Acute to Obtuse*, will take kids step-by-step through elementary geometry using geometry tools. Geometry Quizmo will supply a means for practice and reinforcement without being repetitive and humdrum. The kit includes Geometry Quizmo, 5 protractors, activity book, 1 clear safe drawing compass and 4 student safe drawing compasses.

WWNA 4064 Kit \$49.99



DRAWING STARS AND BUILDING POLYHEDRA

Grades 4-7

While students are eagerly drawing stars and building 3-dimensional polyhedra, they will also be discovering some fundamental concepts in geometry and practicing higher order reasoning. Each lesson in this 64-page book guides students to develop definitions and establish systematic processes for drawing stars and building polyhedra. Meets NCTM standards in four math areas. Reproducible. (Christopher M. Freeman)

WWPR 30662 \$11.95

PIECE OF PI

Grades 6-8

These fascinating activities offer a complete overview of this important number while giving students practice in math skills. This 48-page book includes detailed lesson plans, referenced to NCTM standards; and reproducible student worksheets. Use for Pi Day (March 14), for a geometry unit, or to challenge your ablest math students.

WWPR 31200 \$10.95

DR. MATH INTRODUCES GEOMETRY: LEARNING GEOMETRY IS EASY! JUST ASK DR. MATH!

Have you started studying geometry in math class? Do you get totally lost trying to find the perimeter of a rectangle or the circumference of a circle? Don't worry. Grasping the basics of geometry doesn't have to be as scary as it sounds. Dr. Math--the popular online math resource--is here to help. You'll learn just what it takes to succeed in this subject. You'll find the answers to dozens of real questions from students who needed help understanding the basic concepts of geometry, from lines, rays, and angles to measuring three-dimensional objects and applying geometry in the real world. Pretty soon, everything from recognizing types of quadrilaterals to finding surface area to counting lines of symmetry will make sense. Plus, you'll get plenty of tips for working with tricky problems submitted by other kids who are just as confused as you are. You won't find a better introduction to the world and language of geometry anywhere but this 192-page book. (The Math Forum)

WWJW 25541 \$14.95



DR. MATH PRESENTS MORE GEOMETRY: LEARNING GEOMETRY IS EASY! JUST ASK DR. MATH

Are things starting to get tougher in geometry class? Don't panic. Dr. Math--the popular online math resource--is here to help you figure out even the trickiest of your geometry problems. You'll find the answers to dozens of real questions from students in a typical geometry class. You'll also find plenty of hints and shortcuts for using coordinate geometry, finding angle relationships, and working with circles. Pretty soon, everything from the Pythagorean theorem to logic and proofs will make more sense. Plus, you'll get plenty of tips for working with all kinds of real-life problems in this 192-page book.

WWJW 25533 \$14.95

POWER BASICS: GEOMETRY

Grades 6-12

Reading Level 4

Power Basics is the new textbook alternative. The curriculum, designed for middle and high school students, features essential textbook content, in an updated, easy-to-use format. With increased emphasis on the No Child Left Behind Act and the pressure to meet the standards, this series offers students traditional textbook content in an accessible format. The series is organized into manageable instructional units that build proficiency and mastery in the core curriculum areas. The geometry unit demystifies the language of geometry to make learning easier. It also prepares students for standardized tests with activities on measurement, area, and volume while outlining the characteristics and properties of two- and three-dimensional geometric shapes. It presents easy-to-follow procedures for solving problems with lines, angles, circles, and polygons. The classroom set contains 10 student books, 1 teacher's guide, 10 student workbooks, 1 student workbook answer key, and 1 test pack. The classroom kit contains all reproducible activities including a binder, 1 student book, 1 teacher's guide, 1 student workbook, 1 student workbook answer key and 1 test pack.

WWWW 55983 Student book \$24.99

WWWW 56017 Teacher's guide \$5.99

WWWW 56009 Student book/pk 10 . . \$224.99

WWWW 56025 Student workbook . . . \$14.99

WWWW 56041 Student workbook/pk 10 \$109.99

WWWW 55789 Reproducible test pack \$19.99

WWWW 55851 Classroom set \$349.99

WWWW 55908 Classroom kit \$199.99

UNFOLDING MATHEMATICS WITH UNIT ORIGAMI

Grades 7-11

Origami books are typically written by origami experts and aimed at origami enthusiasts. This 115-page book is designed especially for algebra and geometry students in high school or middle school. Through its 16 absorbing activities--all in blackline-master form--basic mathematical ideas reveal themselves. Algebraic and angle relationships and different types of symmetry in two and three dimensions will engage your students' interest in new ways. The full sequence of activities covers an amazingly broad range of mathematical topics while also introducing your students to the art of origami. The origami paper is a package of 400 6-inch sheets, ideal for classroom use. Twenty beautiful colors will give your students' creations variety and brighten your classroom. (Betsy Franko)

WWMM 53275 Book \$17.95

WWMM 53085 Origami paper \$17.95

GEOMETRY

UNFOLDING MATHEMATICS WITH ORIGAMI BOXES

Grades 6-12

This 192-page book combines the ancient art of paper folding with high school mathematics to help students discover important concepts in geometry. The Japanese masu, a box folded from a single uncut square, provides an engaging classroom activity and a tangible reference for students as they explore geometric figures. Blackline masters and a teacher-friendly design make the activities easy to implement. This book was designed with the classroom in mind. Detailed folding instructions help students fold 28 unique boxes ranging from simple, open designs to self-contained decorative models. All instructions are fully illustrated, with hints to help beginning folders master origami techniques. Explorations help students discover the mathematics in their creations, beginning with the mathematical patterns found in each box. Each folder also learns to design original boxes using mathematical formulas. Reproducible. (Arnold Tubis & Crystal Mills)

WWMM 53839 Book\$17.95
WWMM 53085 Origami paper\$17.95

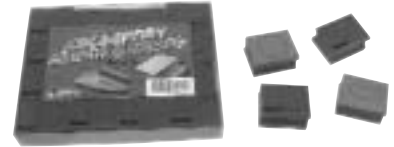


HELPING STUDENTS UNDERSTAND GEOMETRY

Grades 7 & up

Help students make that transition from math to geometry. Written for teachers to use as full units of study or as supplements to their curriculums, this 128-page book helps simplify algebraic and geometric concepts. Parents and students can also use these resources at home as a tutorial or to enhance what is being taught in the classroom. It includes step-by-step instructions with examples, practice problems using the concepts, real-life applications, a list of symbols and terms, tips, answer keys, as well as references. (Barbara Sandall)

WWCD 404029\$11.99



GEOMETRY SHAPE STAMPS

Set work and discrimination activities are made easy with this set of 16 quality stamps of regular and irregular plane shapes. Set includes: circle, oval, square, rectangle, pentagon, hexagon, octagon, decagon, equilateral triangle, right triangle, obtuse triangle, triangular prism, trapezoid symmetrical, trapezoid asymmetrical, rhombus, and diamond.

WWEM 31053\$19.75



THREE-DIMENSIONAL GEOMETRIC SHAPES

These 16 three-dimensional quality rubber stamps illustrate the three-dimensional construction of each shape design.

WWEM 31054\$20.85

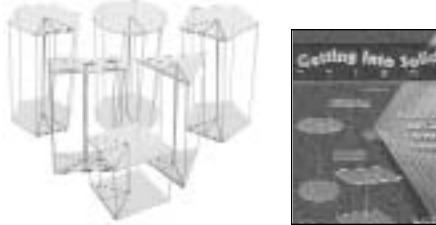


LARGE ANGLELEGS™

A great visual aid for teaching angle measurement and polygons to a large group of students at one time. These six AngleLegs(™) range in length from 11.5 to 30 cm. Each length is a different color (orange, purple, green, yellow, blue, and red) and snap together easily to form easily manipulated shapes. Set includes two special 6" Safe-T Protractors(R) that easily snap onto the AngleLegs for angle measurement. Total of 26 pieces.

WWEM 20343\$21.95

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GETTING INTO SOLIDS™ -- PYRAMIDS & PRISMS

This manipulative offers your students an opportunity to GET INTO each solid to see and touch normally hidden lines thus gaining a clear understanding of three-dimensional figures. Each solid base is constructed of a high-quality plastic with color-coded etchings to correspond with the edges and apothem. Brass rods represent heights while color-coded elastic strings represent edges. In the Prisms set two different heights of brass altitude rods are provided. The shorter brass rod allows the construction of a 16 cm x 16 cm cube, or a change in height of any of the other models. Sticky notes are included in both sets so that selected edges and altitudes can be varied as necessary to coincide with any textbook.

PRISMS

This set contains two each of the following bases: square, rectangle, circle, triangle, pentagon and hexagon; brass altitude rods in two different heights, precut elastic strings in two colors, six string attachment caps, one sticky note pad and assembly instructions.

WWEM 31039\$59.95

GETTING INTO SOLID™--PRISMS BOOK

Section one of this book contains reproducible worksheets for finding the surface area and volume of regular prisms and right cylinders. Each model has three worksheets that guide students through an often long and difficult process. As students work through these pages they develop the skills in which to logically organize their thought processes. Section two is more challenging and less structured than section one. It is designed so that students will use multiple steps to yield the desired results while incorporating the organization and logical skills learned in section one. Students would be able to calculate the volume of pyramids and cones before working with the problems presented in this section of this 36-page book. Reproducible. (Emily Errthum)

WWEM 50046\$9.95

GIANT GEOSOLID

Grades 3 & up

This 10 piece set makes visible classroom demonstrations possible. Fill with water, sand or rice as you explore shapes, sizes, and the relationships between area and volume. Shapes include: cone, sphere, hemisphere, cube, cylinder, rectangular prism, hexagonal prism, triangular prism, square pyramid and triangular pyramid. Shapes measure approximately 6". Teacher's guide is included.

WWLR 3208\$69.95

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FOLDING GEOMETRIC SHAPES SET

Grades 2 & up

The set includes the folding geometric set of 8 shapes and the 16 overhead folding geometric shapes.

WWLR 0912\$42.95

OVERHEAD FOLDING GEOMETRIC SHAPES

Grades 2 & up

Demonstrate geometric shapes in both 3D and 2D form and teach measurement: area, volume, and surface area. Aligns with NCTN Standards for geometry and measurement in their coverage of visualization, spatial reasoning, geometric modeling, area, volume, and surface area. Shapes are approximately 1 1/4" and include cylinder, square, pyramid, cube, rectangular prism, triangular prism, cone, hexagonal prism, triangular pyramid, and triangular prism.

WWLR 0910\$8.95