



MONTessori

MONTessori



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TIS-6853 STANDARD



Certificate No. BL. 27/2017



The Department of Labour Protection and Welfare, Ministry of Labour
presents this certificate to recognise that

KIDS AND TOYS INDUSTRY THAILAND CO., LTD.

91 Moo 1, Soi Ruamsuk 6, Tiwanon Road, Banmai,
Mueang Pathum Thani, Pathum Thani 12000, Thailand

for the following scope of certification:

**PRODUCTION OF CHILDREN'S PLAY AND EDUCATIONAL MATERIALS
MADE OF WOOD AND THE OTHER**

to be certified

THAI LABOUR STANDARD (TLS 8001-2010) FOR BASIC LEVEL

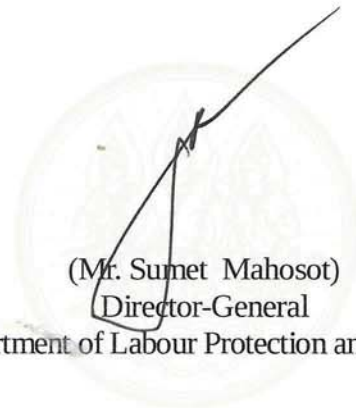
with regarding as the business having corporate social responsibility on labour,
and the compliance in accordance with the law on fundamental labour rights.

This certificate is valid from 11 August 2017 to 10 August 2019.

Given on 11 August 2017



มรท.๘๐๐๑-๒๕๕๓
TLS 8001 - 2010



(Mr. Sunet Mahosot)
Director-General
Department of Labour Protection and Welfare

การรับรองเลขที่ : ๒-๕๖๗๐/๒๕๖๐



ใบรับรองฉบับนี้ให้ไว้กับ

บริษัท คิตส์ แอนด์ ทอยส์ อินดัสตรี (ประเทศไทย) จำกัด

ที่ตั้งสถานประกอบการ : เลขที่ ๙๑ หมู่ที่ ๑ ซอยร่วมสุข ถนนติวานนท์

ตำบลบ้านใหม่ อำเภอเมืองปทุมธานี จังหวัดปทุมธานี ๑๒๐๐๐

เพื่อรับรองว่าเป็น

อุตสาหกรรมสีเขียวระดับที่ ๒

ปฏิบัติการสีเขียว (Green Activity)

การดำเนินกิจกรรมเพื่อลดผลกระทบต่อสิ่งแวดล้อมได้สำเร็จตามความมุ่งมั่นที่ตั้งไว้

ลงชื่อ

(นายสมชาย หาญหิรัญ)

ปลัดกระทรวงอุตสาหกรรม

ออกให้ ณ วันที่ : ๗ สิงหาคม ๒๕๖๐

มีผลถึง วันที่ : ๖ สิงหาคม ๒๕๖๒

เลขทะเบียนโรงงาน : จ๓-๘๗(๑)-๒/๔๒ปท



Dr.Ed & Toys is proud to be a leading producer of high quality, educational materials. At first our materials were used for experimentation in local schools in the Bangkok Metropolitan area. Now our designs are well recognized for their value of giving excellent opportunities for the learning process and for experiencing creativity around the globe.

Dr.Ed & Toys always maintains the highest standard. Each product is certified by both the ASTM F963-96A of the United States of America and EN-71 of the European Union, which guarantee both quality and safety.

Dr.Ed & Toys believes in both the quality of life and in the protection of the environment of this world we live in. We replanted the rubber trees especially for their wood and latex because the Para rubber tree normally stop producing latex after 26-30 years. So we cut them down and replace with new ones. This doesn't only mean that there is no deforestation involved, but also every part of the tree is reasonably utilized.

Dr.Ed & Toys also exploits discoveries from researches to develop our products to make sure that they are safe and best didactic material for the children. This is the reason why our designs are always in the forefront and suitable for the basic stages of development in children.



TIS-6853 STANDARD



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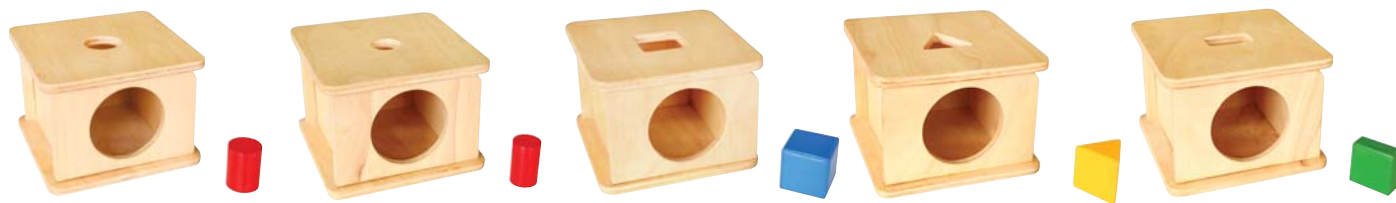
MATHEMATICS

34

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56

INFANT & TODDLER



09101 INFANT IMBUCARE BOXES

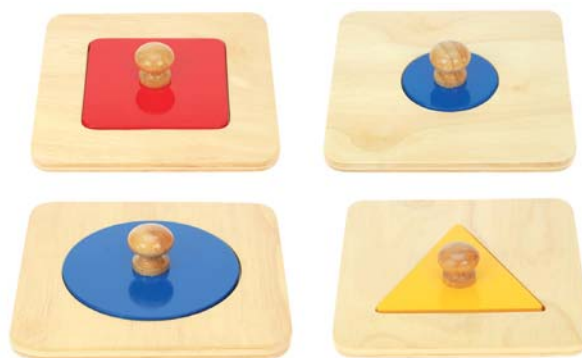
Set of 5 boxes : beginning with cylinders of two sizes, progressing to cube, triangular prism and rectangular prism

150 x 150 x 108 mm.



09102 IMBUCARE BOX

150 x 170 x 108 mm.



09103 SINGLE SHAPE PUZZLE SET

Simple puzzles help the young toddler develop a gross level of eye-hand coordination.

150 x 150 x 35 mm.



09104 MULTIPLE SHAPE PUZZLE SET

Two 3 pieces puzzles : Three Sizes of Circles, Square-Circle-Triangle.

120 x 300 x 35 mm.



09106 CUBES ON VERTICAL DOWEL

120 x 120 x 108 mm.



09107 RINGS ON VERTICAL DOWEL

120 x 120 x 108 mm.



09108 RINGS ON HORIZONTAL DOWEL

150 x 150 x 128 mm.



09109 HORIZONTAL DOWEL
VARIATION-STRAIGHT

150 x 150 x 128 mm.



09110 BOX WITH BINS

135 x 300 x 120 mm.

PRACTICAL LIFE

DRESSING FRAMES

The Dressing Frames include different types of buttoning, tying, lacing, safety pin, zipping, snapping, buckling and magic tape. Through the exercises the child will develop co-ordination, concentration and independence.



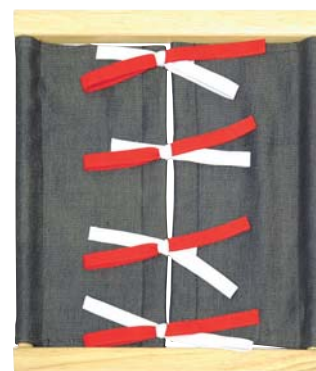
06105
**BUTTONING FRAME
WITH SMALL BUTTONS**

310 x 360 x 20 mm.



06106
**BUTTONING FRAME WITH
LARGE BUTTONS**

310 x 360 x 20 mm.



06107

BOW TYING FRAME

310 x 360 x 20 mm.



06108

LACING FRAME

310 x 360 x 20 mm.



06111

SNAPPING FRAME

310 x 360 x 20 mm.



06112

BUTTONING FRAME WITH
BUTTON HOLDINGS

310 x 360 x 20 mm.



06109

SAFETY PIN FRAME

310 x 360 x 20 mm.



06110

ZIPPING FRAME

310 x 360 x 20 mm.



06114

BUTTONING FRAME
WITH INSERTING RINGS

310 x 360 x 20 mm.



06113

BUCKLING FRAME

310 x 360 x 20 mm.



06116

BUTTONING FRAME WITH
WOODEN BUTTONS AND
ELASTIC HOLDINGS

310 x 360 x 20 mm.



06115

MAGIC TAPE FRAME

310 x 360 x 20 mm.

PRACTICAL LIFE STAND

The Practical Life Stand is use for hanging and storing materials for cleaning while require minimum floor space and easily accessible for the child. (Stand only, cleaning materials not included).



DRESSING FRAMES STAND/ HOLDER

The Dressing Frames Stand/Dressing Frames Holder store the frames neatly and require minimum space, at the same time make them easily accessible to the child (Stand/Holder only, dressing frames not included.)



06103 DRESSING FRAMES STAND

310 x 310 x 1,100 mm.



06104 DRESSING FRAMES HOLDER

206 x 345 x 380 mm.

SENSORIAL

CYLINDER BLOCKS

The Cylinder Blocks consist of 4 blocks per set, each block with 10 knobbed cylinders:

First Block progress in height and diameter from small to large

Second Block progress in diameter from thin to thick

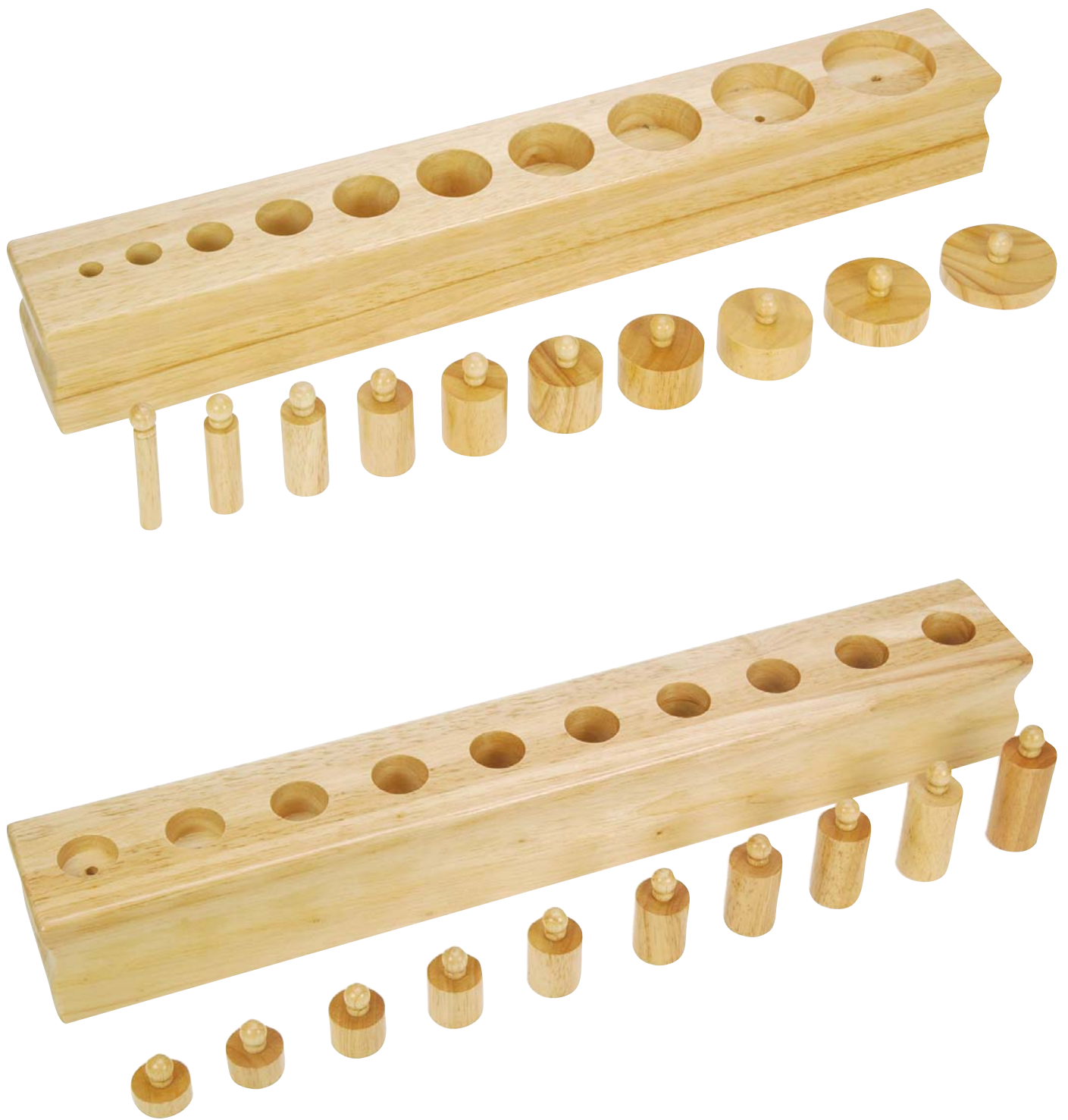
Third Block decreases in height at the same time increases in diameter from tall and thin to short and thick

Fourth Block increases in height from short to tall with the diameter remaining the same.

The Blocks provide experience in visual discrimination for the child; at the same time by grasping the knobbed cylinders the child will indirectly develop the three finger grip.



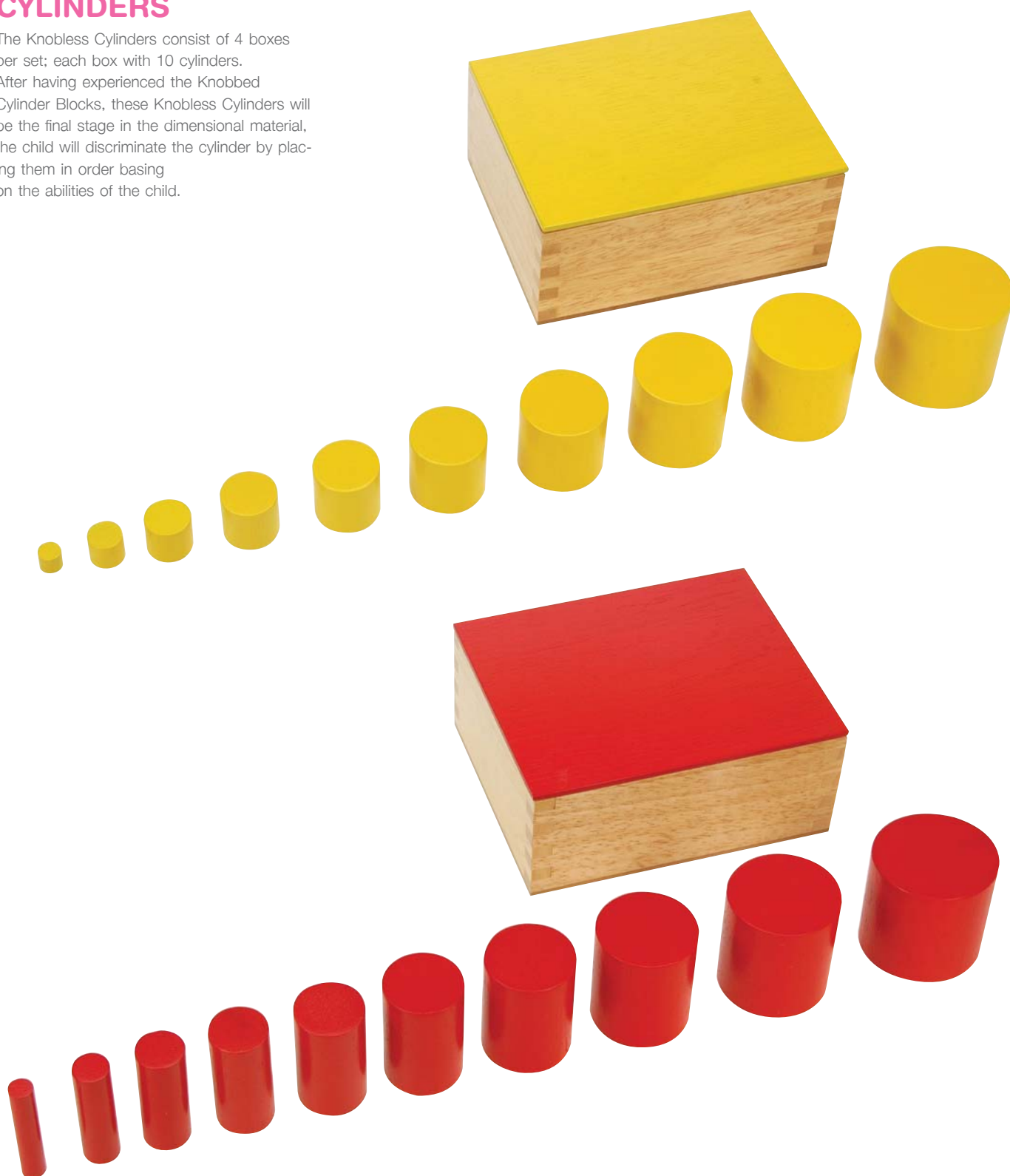
03102 CYLINDER BLOCKS

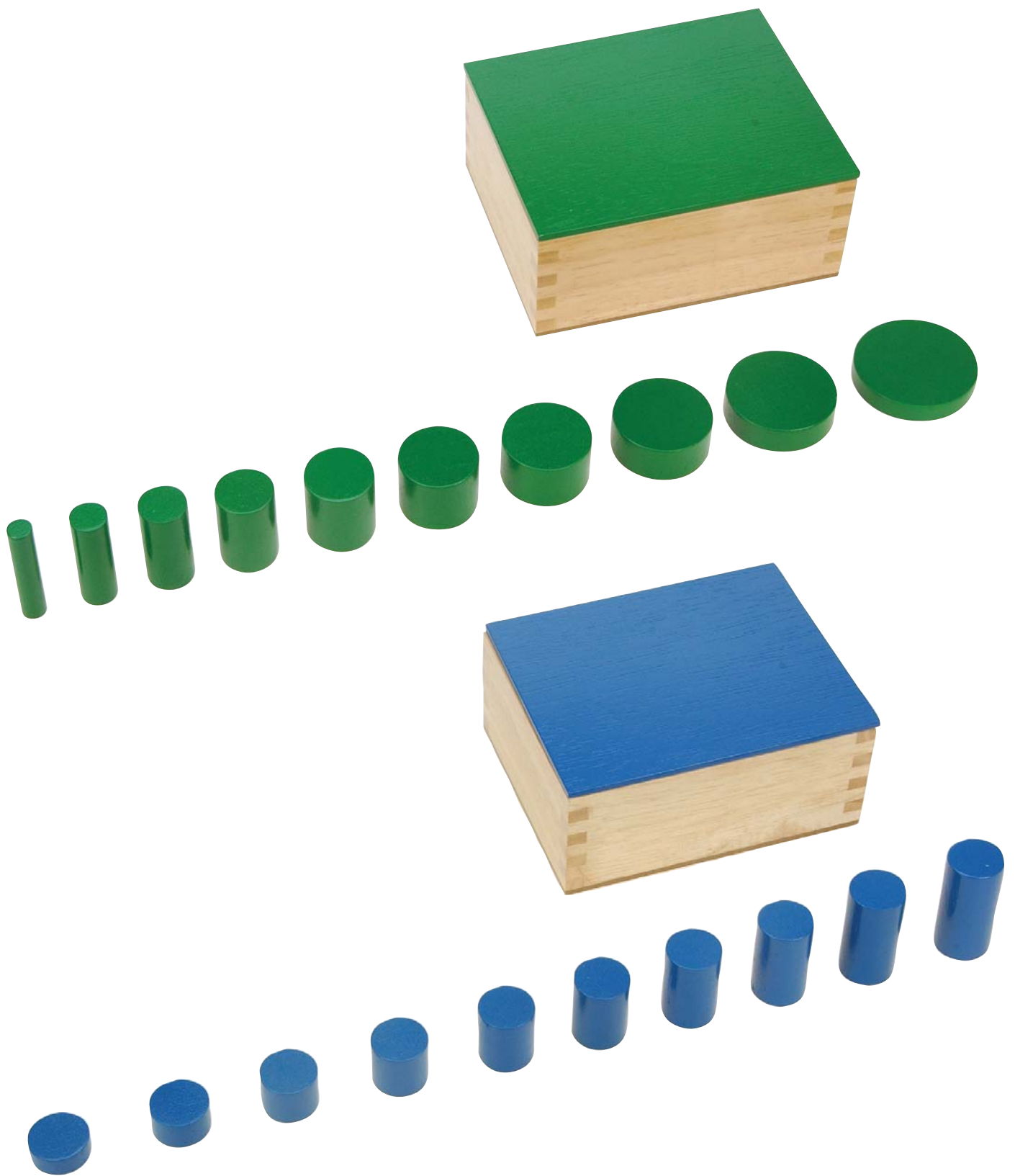


70 x 445 x 85 mm.

KNOBLESS CYLINDERS

The Knobless Cylinders consist of 4 boxes per set; each box with 10 cylinders. After having experienced the Knobbed Cylinder Blocks, these Knobless Cylinders will be the final stage in the dimensional material, the child will discriminate the cylinder by placing them in order basing on the abilities of the child.





130 x 155 x 65 mm.

THE TOWER

(Selections of pink color or natural color)

The Tower includes series of 10 cubes graduated in increments from 1 cm^3 to 1000 cm^3 .

Exploration with The Tower helps the child develop visual discrimination of size in three dimensions which prepares him/her for mathematical concepts in the decimal system, geometry and volume.



06119
STAND FOR THE TOWER
(natural)

180 x 180 x 80 mm.



08101
STAND FOR THE TOWER
(pink)

180 x 180 x 80 mm.



02105 THE TOWER
(The Natural Tower)

100 x 100 x 550 mm.



04105 THE TOWER
(The Pink Tower)

100 x 100 x 550 mm.

SMALL CUBES FOR THE NATURAL TOWER



06118 SMALL CUBES

The Small Cubes are for the child to compare and calculate the volume of the cube of The Tower.

90 x 150 x 45 mm.

SMALL CUBES FOR THE PINK TOWER



17101 SMALL CUBES

The Small Cubes are for the child to compare and calculate the volume of the cube of The Tower.

90 x 150 x 45 mm.



02104 NATURAL GRADUATIONAL STAIRS

100 x 200 x 550 mm.

GRADUATIONAL STAIRS (Selections of brown color or natural color)

Natural/Brown Gradual Stairs include series of 10 prisms. Through activities with these prisms the child will be indirectly prepare for concepts in plane geometry, area and volume through the change in width (breadth) while the length remains the same.



04106 BROWN GRADUATIONAL STAIRS

100 x 200 x 550 mm.



06117 THIN PRISMS FOR NATURAL COLOR

With these prisms, the child will be able to further compare and calculate the volume of the prisms of the Stairs.

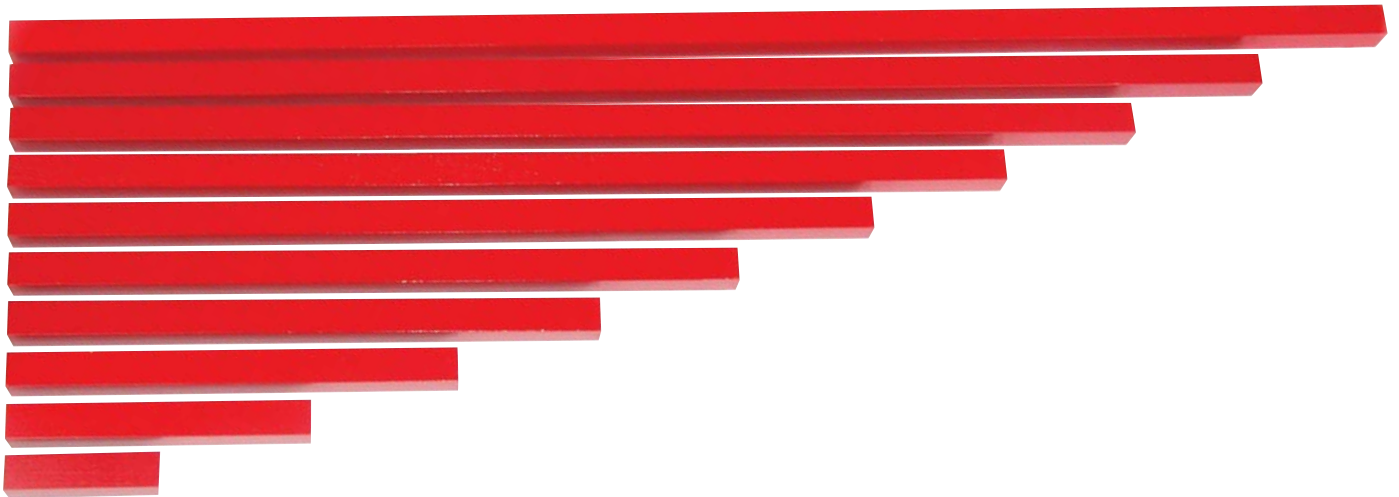
70 x 220 x 52 mm.



17102 THIN PRISMS FOR BROWN GRADUATIONAL STAIRS

With these prisms, the child will be able to further compare and calculate the volume of the prisms of the Stairs.

70 x 220 x 52 mm.



03140 LONG RODS

Long Rods include series of 10 solid wooden rods which height and width remains constant while length increases in equal units from 10 cm. to 1 meter. Exploration with the Rods helps prepare the child for working with Number Rods and other mathematical concepts.

250 x 1,000 x 25 mm.



06120 FIRST BOX OF COLOR TABLETS

The First Box of Color Tablets consists of six tablets; 2 red, 2 blue, and 2 yellow. Each pair will not only introduce the primary color but also refines the chromatic sense for the child.

85 x 95 x 65 mm.



06121 SECOND BOX OF COLOR TABLETS

The Second Box of Color Tablets will further refine the chromatic sense and enrich vocabulary for the child. The Second Box of Color Tablets includes 22 tablets; 2 yellow, 2 red, 2 green, 2 white, 2 black, 2 gray, 2 blue, 2 purple, 2 brown, 2 pink and 2 orange.

75 x 250 x 55 mm.



07101 THIRD BOX OF COLOR TABLETS

The Third Box of Color Tablets includes nine colors in seven graded shades; a total of 63 tablets. These colors are red, blue, yellow, purple, orange, green, brown, pink and gray. The Third Box of Color Tablets is the final stage in color discrimination. The child will learn terms connected to these tablets, light, lighter, lightest, dark, darker, darkest, etc.

225 x 280 x 48 mm.

TOUCH BOARDS SET

The Touch Boards Set consists of 3 boards for the purpose of development of the tactile sense and prepares the hand for writing. The first board introduces the child the contrast of rough and smooth, the second board helps the child to co-ordinate finger movements and builds dexterity, while the third board introduces gradations of texture from rough to smooth.



07108 TOUCH BOARDS SET

125 x 250 x 15 mm.



07107 ROUGH GRADATION TABLETS

Rough Gradation Tablets five pairs of varying grades of sandpaper mounted on Solid Rubber wood tablets.

110 x 120 x 110 mm.



09111 SMOOTH GRADATION TABLETS

Five pairs of Smooth grades of sandpaper mounted on Solid Rubber wood tablets.

110 x 120 x 110 mm.



06127 BARIC TABLETS

The Baric Tablets include 3 sets of 10 tablets in each. These will refine the child the concept of the baric sense; the lightest color wood being the lightest weight while the darkest color being the heaviest; the material is in itself controlled.

125 x 125 x 75 mm.

08190 BLINDFOLD WITH ELASTIC



03107 BLINDFOLD



BLINDFOLDS

The Blindfolds will endeavor the child to discriminate the weight of the tablets. While the first blindfold with elastic around the back and an opening nose for younger child to put on by him/herself easily. The second blindfold the child will have the opportunity to learn how to tie on in a more advance way.



02108 SOUND BOXES

The Sound Boxes include 2 sets of 6 cylinders; a set of blue caps and a set of red caps. Each cylinder contains materials that make distinctive sounds and are graded from soft to loud. The Sound Boxes will help the child develop auditory discrimination by pairing and grading the cylinders.

80 x 110 x 100 mm.



02109 THERMIC BOTTLES

The Thermic Bottles include 8 metal bottles with screw-on tops. The exercise is prepared by filling the bottles with various temperature of water by the adult; then through the exercise of pairing and grading the bottles the child's thermic sense is refined.

Diameter of Bottles : 25x83 mm.

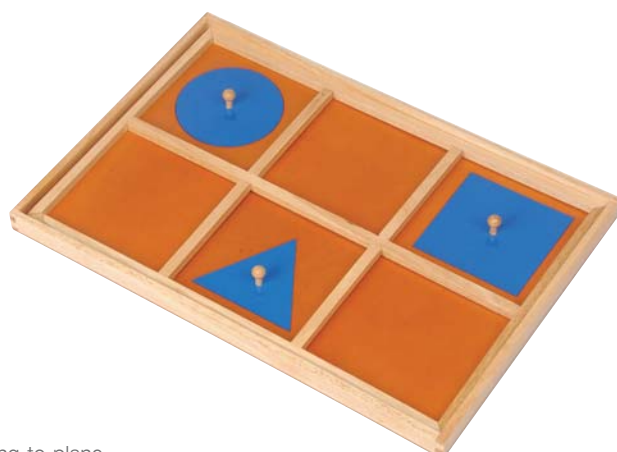
90 x 160 x 106 mm.



09112 PRESSURE CYLINDERS

The pressure cylinders provide experiences in pairing and grading degrees of pressure. By pressing the spring-loaded plungers, the child senses the difference in resistance pressure.

100 x 295 x 95 mm.



07102 DEMONSTRATION TRAY

The Demonstration Tray is for introducing to plane geometric shapes and is used with the Geometric Cabinet.

295 x 435 x 20 mm.



07103 GEOMETRIC CABINET

The Geometric Cabinet is for introducing to plane geometric shapes. A Cabinet has six drawers consisting of 35 geometric insets and frames: circles, rectangles, triangles, regular polygons curvilinear figures a seventh triangle quadrilaterals and one blank.

325 x 450 x 235 mm.



07104 GEOMETRIC FORM CARDS BOX

Geometric Form Cards Box has four compartment for storing the Geometric form Cards.

155 x 165 x 90 mm.



07105 GEOMETRIC FORM CARDS

Geometric Form Cards include 3 sets of 35 cards corresponding to the figures in the Geometric Cabinet.

140 x 140 mm.



04101 BINOMIAL CUBE

The Binomial Cube consists of 8 wooden component cubes and prisms painted red, blue and black. The material is a concrete representation of the algebraic formula $(a + b)^3$. The factors of the equation are represented by the cubes and prisms.

100 x 100 x 90 mm.



04102 TRINOMIAL CUBE

The Trinomial Cube consists of 27 wooden component cubes and prisms painted red, blue, yellow and black. The material is a concrete representation of the algebraic formula $(a + b + c)^3$. The factors of the equation are represented by the cubes and prisms.

125 x 125 x 115 mm.

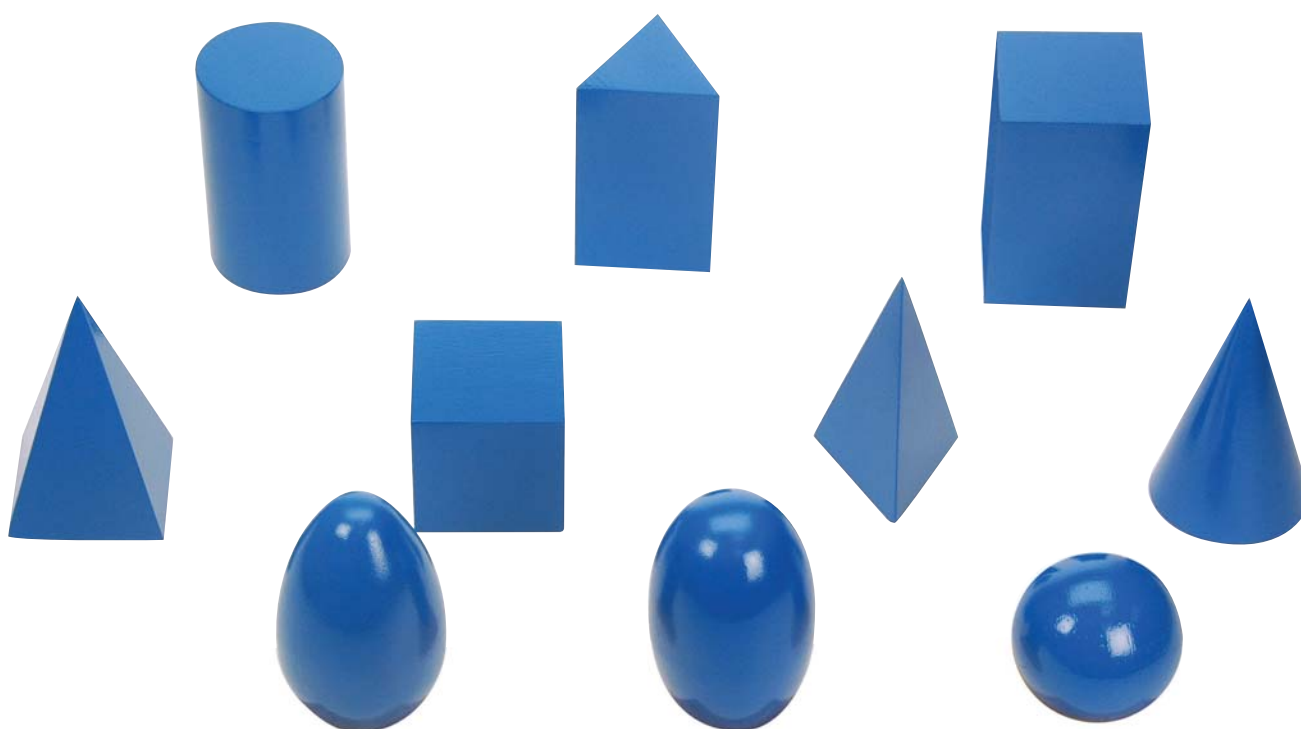
GEOMETRIC SOLIDS

The Geometric Solids consist of 10 solids in each set; the first set in natural color and the second set in blue. Both sets introduce the child to solid geometry.



06129 NATURE GEOMETRIC SOLID SHAPES

Unit Size:
50 x 75 x 50 mm.

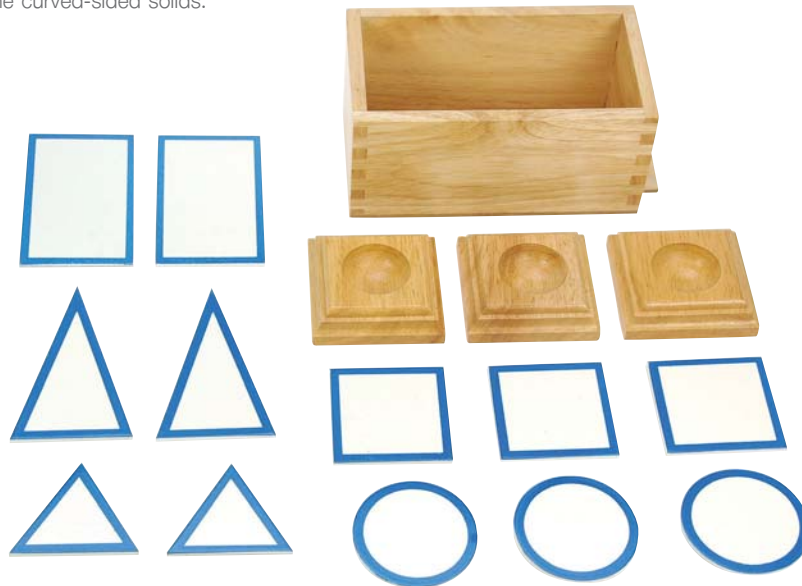


06128 GEOMETRIC SOLIDS SHAPES

Unit Size:
60 x 100 x 60 mm.

GEOMETRIC PLANE FIGURES AND BASES FOR GEOMETRIC SOLIDS

The Geometric Plane Figures are used to link the three dimensional Geometric Solids to their corresponding two dimensional plane figures while the wooden stands for the curved-sided solids.



02110 GEOMETRIC PLANE FIGURES AND BASES FOR GEOMETRIC SOLIDS

90 x 160 x 75 mm.



08102 SQUARES, TRIANGLES AND CIRCLES (blue)

SQUARES, TRIANGLES AND CIRCLES

The Squares, Triangles and Circles plastic colored shape in gradation from 1 to 10 cm. Each color stored in three individual boxes. The sets allow the child to explore and experiment the three basic geometric shapes.



08103 SQUARES, TRIANGLES AND CIRCLES (red)

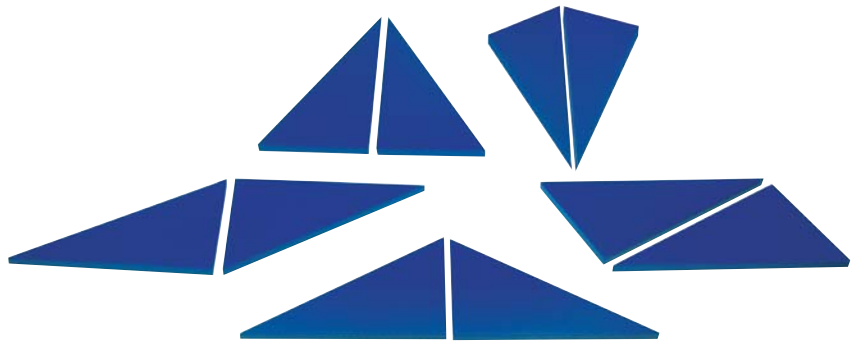


08104 SQUARES, TRIANGLES AND CIRCLES (yellow)

125 x 355 x 20 mm.

CONSTRUCTIVE BLUE TRIANGLES

The Constructive Blue Triangles are for exploring equivalency, congruency and similarity. A box contains 12 right-angled scalene triangles.

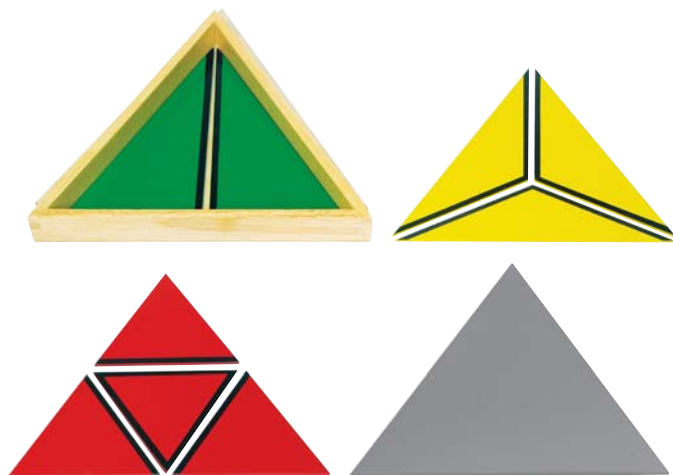


02111 CONSTRUCTIVE BLUE TRIANGLES

170 x 280 x 25 mm.

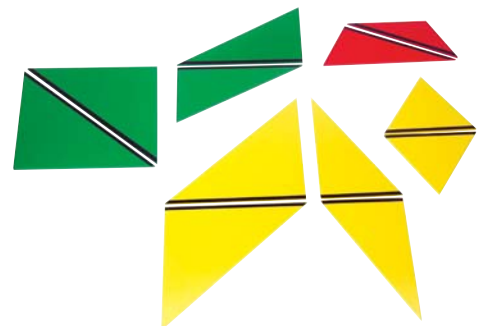
CONSTRUCTIVE TRIANGLES

The Constructive Triangles consist of 2 rectangular boxes, 1 triangular box, 1 small and 1 large hexagonal box, each of all boxes contains triangles that are different in size, shape and color. Through exercises with the Constructive Triangles the child will have practical experience in plane geometry because the child will see the triangles as the element that forms other rectilinear figures.



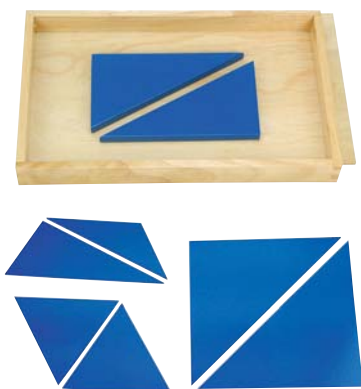
02112 TRIANGULAR BOX OF CONSTRUCTIVE COLOR TRIANGLES

210 x 240 x 30 mm.



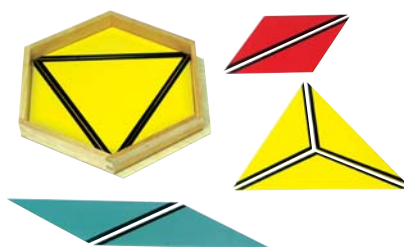
02113 RECTANGULAR BOX OF CONSTRUCTIVE COLOR TRIANGLES

180 x 270 x 30 mm.



02114 RECTANGULAR BOX OF CONSTRUCTIVE BLUE TRIANGLES

180 x 270 x 30 mm.



02115 LARGE HEXAGONAL BOX OF CONSTRUCTIVE COLOR TRIANGLES

225 x 260 x 30 mm.



02116 SMALL HEXAGONAL BOX OF CONSTRUCTIVE COLOR TRIANGLES

200 x 230 x 30 mm.



07106 GEOMETRIC FORM CARDS CABINET

Geometric Form Cards Cabinet has six shelves and is designed to organize the cards to correspond with the drawers of the Geometric Cabinet.

255 x 250 x 315 mm.

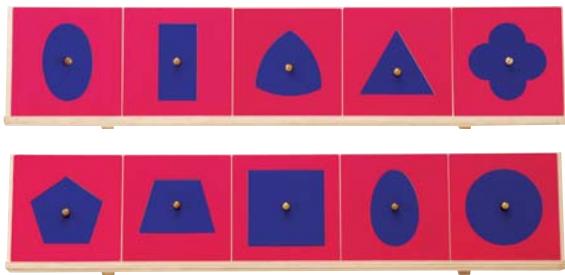


09113 CARPET STANDS

These rubber plywood stands store the carpets neatly and make them easily accessible to the child.

250 x 545 x 500 mm.

LANGUAGE



06122 METAL INSETS

The Metal Insets are used for preparing the child for handwriting. Exercises through using these insets will strengthen the three finger grip and co-ordinate wrist movements which is necessary for writing.

140 x 140 x 15 mm.



06123 SLOPING STANDS

The Sloping Stands are for holding the Metal Insets.

150 x 720 x 70 mm.



06124 COLORED PENCIL HOLDERS

The Colored Pencil Holders are made of wood; each for each different colored pencil.

60 x 60 x 80 mm.



06125 PAPER BOX

The Paper Box is used for Inset Paper.

155 x 155 x 55 mm.



08189 THE FARM

The Farm provides the child for activities of language enrichment. The set includes a building, farm animals, food storage, fences, and a farm table.



07109 SANDPAPER CAPITAL LETTERS

Sandpaper Capital Letters consist of a complete upper case alphabet with the consonants on wooden boards painted pink and vowels on wooden boards painted blue. These Sandpaper Capital Letters help the child to guide the hand for writing as he/she traces the letter shapes in the direction that they are to write.

120 x 120 x 120 mm.



08105 DOUBLE SANDPAPER LETTERS

The Double Sandpaper Letters include a set of sixteen double letter combinations, er ee ar ou oo ai or ue ie au oa sh ch oy th qu. These Double Sandpaper Letters are on wooden boards painted in green.

100 x 245 x 170 mm.

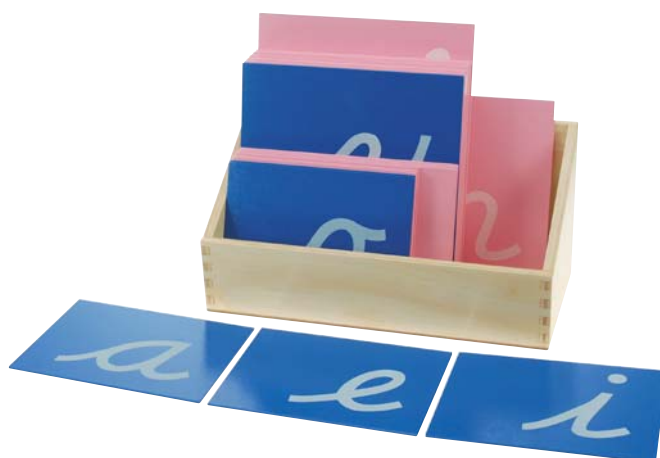
SANDPAPER LETTERS : LOWER CASE

Each sandpaper letter is in lower case with the consonants on boards painted pink and the vowels on boards painted blue.



09114 SANDPAPER LETTERS : PRINT

140 x 217 x 145 mm.



09115 SANDPAPER LETTERS : CURSIVE

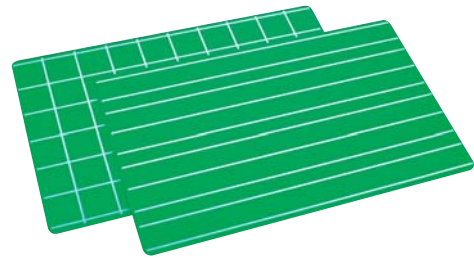
140 x 290 x 195 mm.



08108 BLANK GREENBOARDS

The Blank Greenboards are for practice in writings.

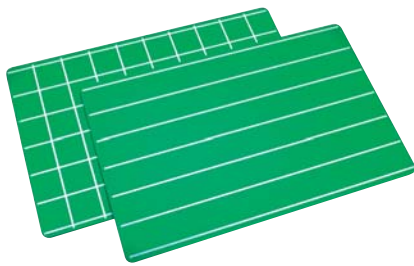
320 x 500 x 10 mm.



08106 GREENBOARDS WITH DOUBLE LINES/SQUARES

The Greenboards Double Lines/Squares are to guide the child in placement of ascending and descending letters.

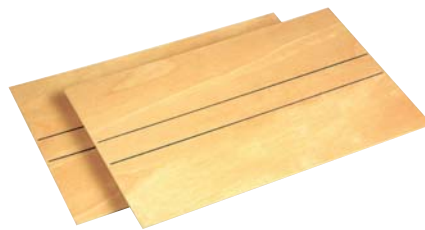
320 x 500 x 10 mm.



08107 GREENBOARDS WITH LINES AND SQUARES

The Greenboards with lines and squares are for practice in writing numbers and letters.

320 x 500 x 10 mm.



08109 WOODEN BOARDS

The Wooden Boards are for placement of the moveable alphabet for the child. These will help guide the child for the correct placement of the moveable alphabet letters.

320 x 500 x 10 mm.



08110 STAND FOR GREENBOARDS

The Stand for Greenboards holds ten boards with top shelf for storing paper, chalk, and erasers (boards not included).

360 x 370 x 620 mm.

MOVABLE ALPHABET (PLASTIC)

The Movable Alphabet is used to assist the child for the writing of words after he/she has experienced the letter sounds from the Sandpaper Letters. (The set includes 15 of each letter.)



09116 MOVABLE ALPHABET (PLASTIC) (Box not include)

09117 BOX : MOVABLE ALPHABET

260 x 560 x 20 mm.

PRINTED ALPHABET (WOODEN)

The Printed Alphabet is used by the child to assist him/her in learning writing words, sentences and story writing. (The set includes 15 of each letter.)



09118 PRINTED ALPHABET (WOODEN)
(Box not include)

09119 BOX : PRINTED ALPHABET

260 x 560 x 20 mm.

PRINTED ALPHABET (Glossy Paper)

The Printed Alphabet is used by the child to assist him/her in learning writing words, sentences and story writing. (The set includes 15 of each letter.)



09120 PRINTED ALPHABET
(Box not include)

09121 BOX : PRINTED ALPHABET

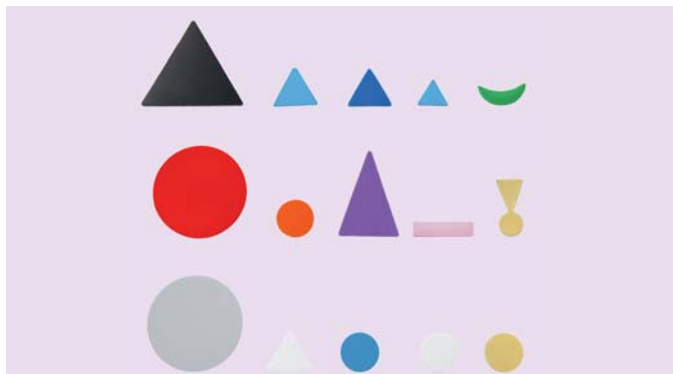
232 x 485 x 42 mm.



08113 BOX FOR PLASTIC GRAMMAR SYMBOLS

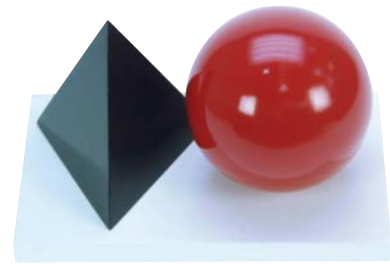
The Paper Grammar Symbols includes fifteen different symbols, each represents a specific part of speech.

217 x 250 x 42 mm.



08114 PLASTIC GRAMMAR SYMBOLS (REPLACEMENT SET)

The Paper Grammar Symbols (Replacement Set) are made of glossy paper.



08112 NOUN AND VERB INTRODUCTION SOLIDS

The Noun and Verb Introduction Solids includes a pyramid and a sphere for introducing noun and verb for the child. By using these dimensional material, he/she will get a vivid impression of the two grammar symbols.

120 x 200 x 115 mm.



08116 GRAMMAR BOXES

The Grammar Boxes consist of eight boxes. Each of the eight boxes adds a part of speech; the child begins with the article/noun box and progresses through the rest of the seven boxes.

455 x 390 x 40 mm.



08117 GRAMMAR COMMAND BOXES

The Grammar Command Boxes are for holdings of the Command Cards that are used in conjunction with the Grammar Box activities. These includes two brown, one purple, one green, one black, two red, one yellow, and one pink box.

70 x 190 x 74 mm.

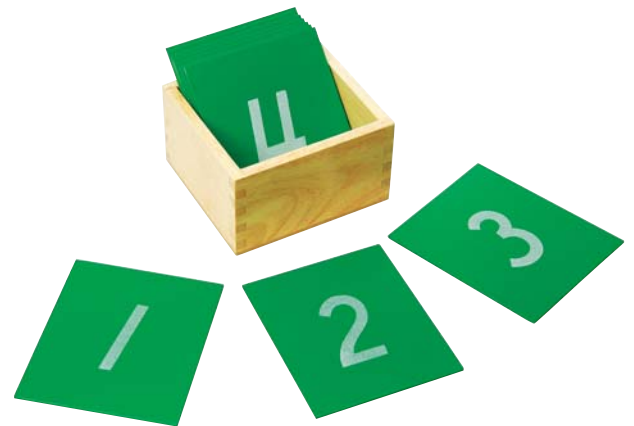
MATHEMATICS



08119 PRINTED NUMERALS

These Numerals are printed in red on wooden tablets and are for use with the Number Rods to associate quantity and symbol 1-10.

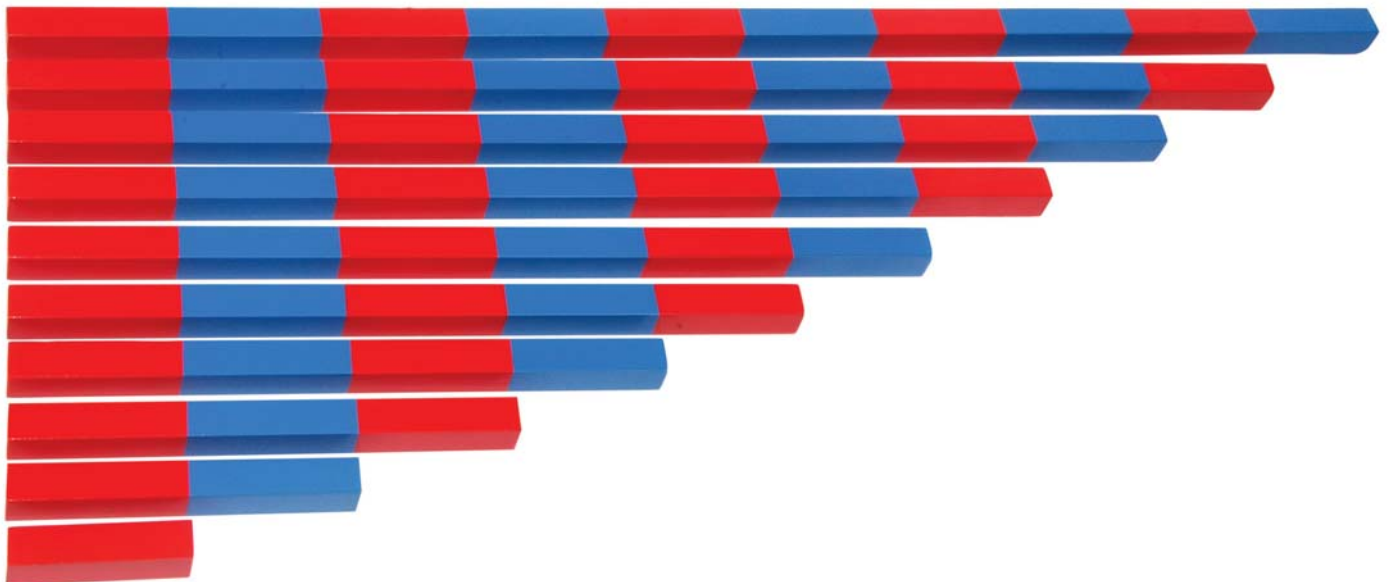
80 x 122 x 32 mm.



07110 SANDPAPER NUMERALS

The Sandpaper Numerals include ten sandpaper numerals 0-9 each mounted on a green board. Through tracing the numerals in the direction they are written, the child will be prepared for writing and introduced to the symbols and their corresponding number names as well.

110 x 120 x 105 mm.



08118 NUMBER RODS

The Number Rods consist of ten wooden rods, divided into units by alternating colors of red and blue, progressing in ten equal steps from 10 cm to 1 meter. With the Number Rods, the child will be introduced to the quantity 1-10, their corresponding number names, the sequence of the numbers and the combinations of 10.

250 x 1,000 x 25 mm.



02118 NUMBERS AND COUNTERS

The Numbers and Counters assist the child in associating quantity and symbol 1-10 by identifying and placing the numerals in their proper sequence and then associating the corresponding amount of counters below the numbers.

120 x 190 x 70 mm.



09122 CUT-OUT NUMERALS AND COUNTERS

100 red wooden counters and red wood numerals 1 to 10 are contained in a wooden box. The pattern is used to introduce the concept of odd and even, and to make the association between the figures and the corresponding quantities of number 1 to 10.

150 x 200 x 37 mm.



08120 SMALL NUMERICAL RODS

The Small Numerical Rods consist of two sets of ten wooden rods divided into units by alternating colors of red and blue. These Small Numerical Rods are suitable for individual work for the child. Through the rods, the child explores counting and arithmetic.

145 x 295 x 20 mm.



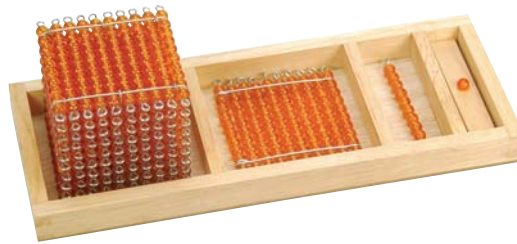
02103 SPINDLE BOX

The Spindle Box with 45 loose wooden spindles assist the child in associating quantity and symbols for numerals 0-9.

220 x 520 x 70 mm.

GOLDEN BEAD MATERIAL

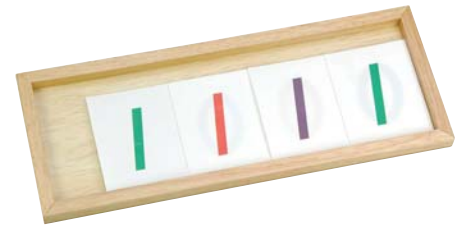
The Golden Bead Material is used for introducing the decimal system to the child. The materials has concrete representations of the hierarchy of numbers. Quantity and place value of the decimal system are explored through the operations of additions, subtraction, multiplication and division.



07113 INTRODUCTION TO DECIMAL QUANTITY

Introduction to Decimal Quantity includes a tray containing Golden Bead Materials of one individual unit bead, one bar of ten, one square of hundred, and one cube of thousand.

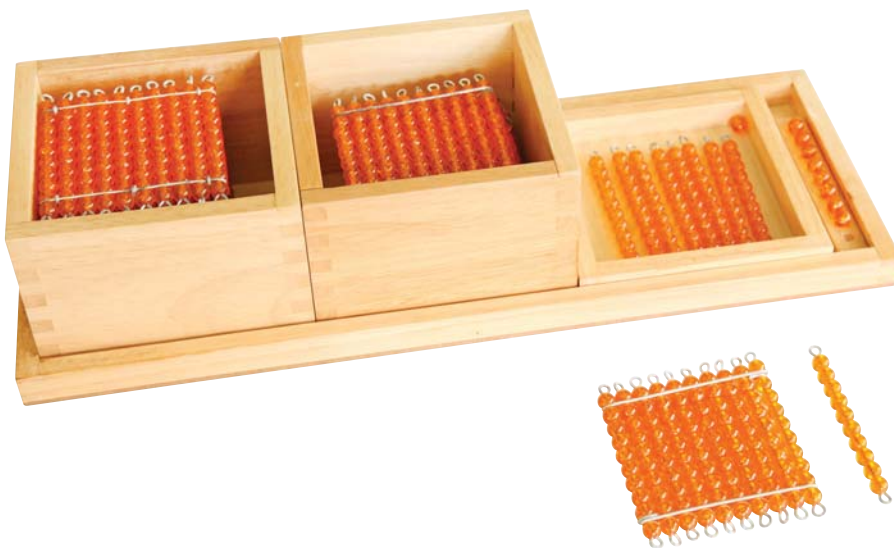
115 x 295 x 85 mm.



07114 INTRODUCTION TO DECIMAL SYMBOL

Introduction to Decimal Symbol includes a tray containing plastic cards of different length and color to introduce the values of one, ten, hundred, and thousand.

145 x 400 x 15 mm.



07155 INTRODUCTION TO THE DECIMAL SYSTEM

Introduction to The Decimal System includes a tray containing nine individual unit beads, nine bars of ten, nine squares of hundred and one cube of one thousand.

145 x 400 x 90 mm.



08121 GOLDEN BEAD UNITS

Golden Bead Units includes one hundred individual unit beads in box.

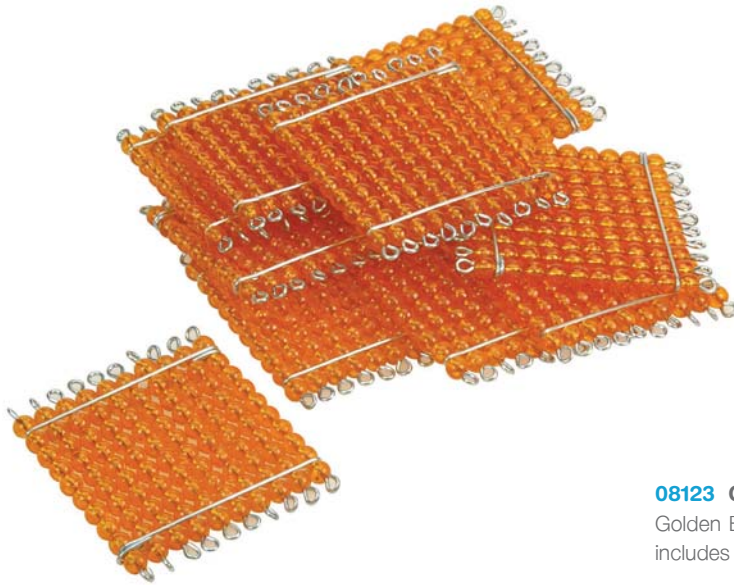
60 x 80 x 28 mm.



08122 GOLDEN BEAD OF TEN

Golden Bead of Ten includes forty-five bars of ten beads in box.

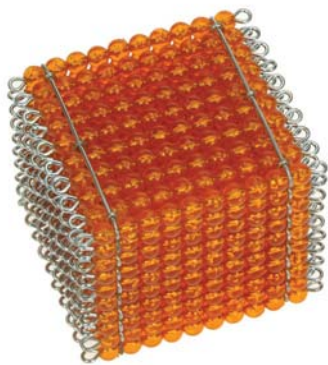
110 x 110 x 45 mm.



08123 GOLDEN BEAD SQUARE OF HUNDRED

Golden Bead Square of Hundred includes one Golden Bead Square of hundred.

77 x 90 x 95 mm.



08124 GOLDEN BEAD CUBE OF THOUSAND

Golden Bead Cube of Thousand includes one cube of thousand.

77 x 90 x 95 mm.



06102 WOODEN TRAY

The wooden tray is for use with the Golden Bead material activities.

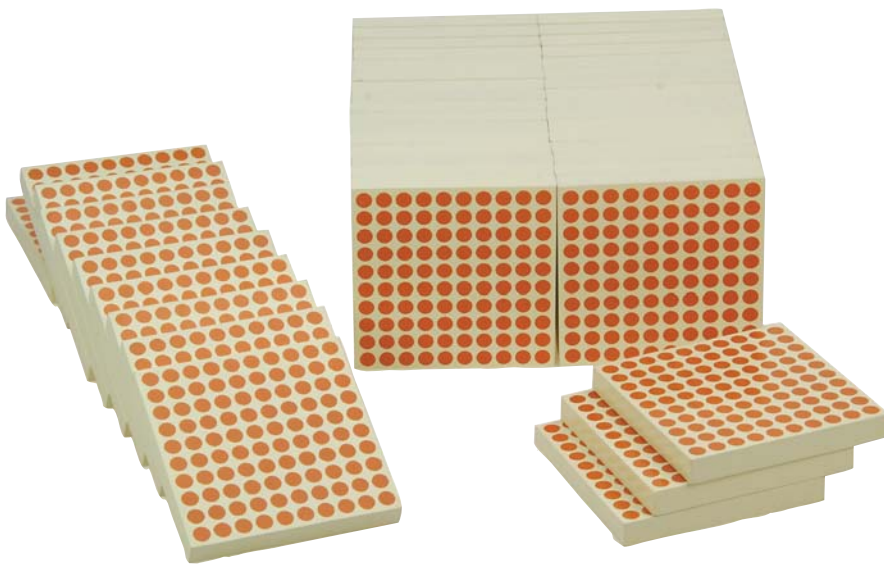
305 x 430 x 80 mm.



08127 WOODEN TRAY WITH TWO UNIT CUPS

The wooden tray and the two unit cups are for use with the Golden Bead Materials.

270 x 430 x 40 mm.



08126 WOODEN SQUARE OF HUNDRED

Wooden Square of Hundred includes forty-five wooden squares of hundred.

80 x 80 x 8 mm.



08125 WOODEN CUBE OF THOUSAND

Wooden Cube of Thousand includes nine wooden cubes of thousand.

80 x 80 x 80 mm.



03105 BASE TEN

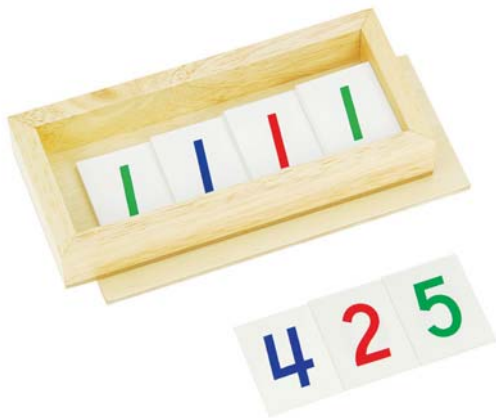
Base Ten includes one hundred individual units, twenty bars of ten, ten squares of hundred, and one cube of thousand.

100 Units / 10 x 10 x 10 mm.

20 Ten / 100 x 10 x 10 mm.

10 Square / 100 x 100 x 10 mm.

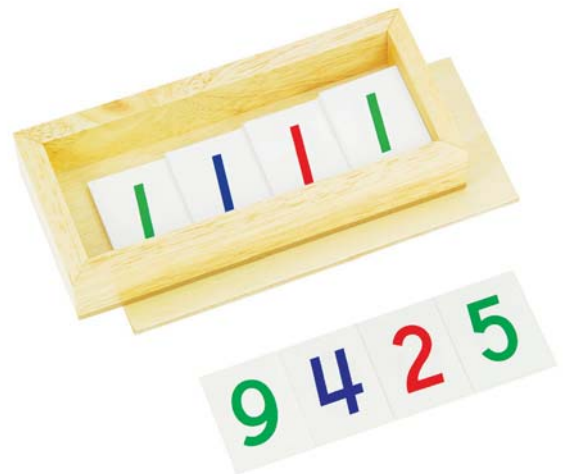
1 Cube / 100 x 100 x 100 mm.



08131 LARGE NUMBER CARDS 1-3000

A set of Large Number Cards 1-3000 with numbers printed on durable glossy paper are contained in a wooden box with lid to facilitate handling and storage.

115 x 295 x 28 mm.



08128 LARGE NUMBER CARDS 1-9000

A set of large number cards 1-9000 with numbers printed on durable glossy paper are contained in a wooden box with lid to facilitate handling and storage.

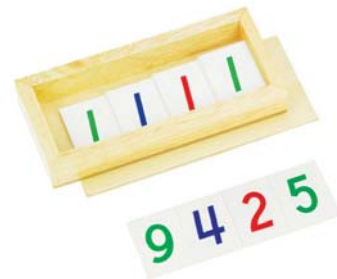
115 x 295 x 28 mm.



08130 SMALL NUMBER CARDS 1-3000

A set of small number cards 1-3000 with numbers printed on durable glossy paper are contained in a wooden box with lid to facilitate handling and storage.

66 x 148 x 18 mm.



08129 SMALL NUMBER CARDS 1-9000

A set of small number cards 1-9000 with numbers printed on durable glossy paper are contained in a wooden box with lid to facilitate handling and storage.

66 x 148 x 18 mm.



07111 LARGE WOODEN NUMBER CARDS 1-9000

A set of large number cards 1-9000 with numbers printed on wood are contained in a wooden box to facilitate handling and storage.

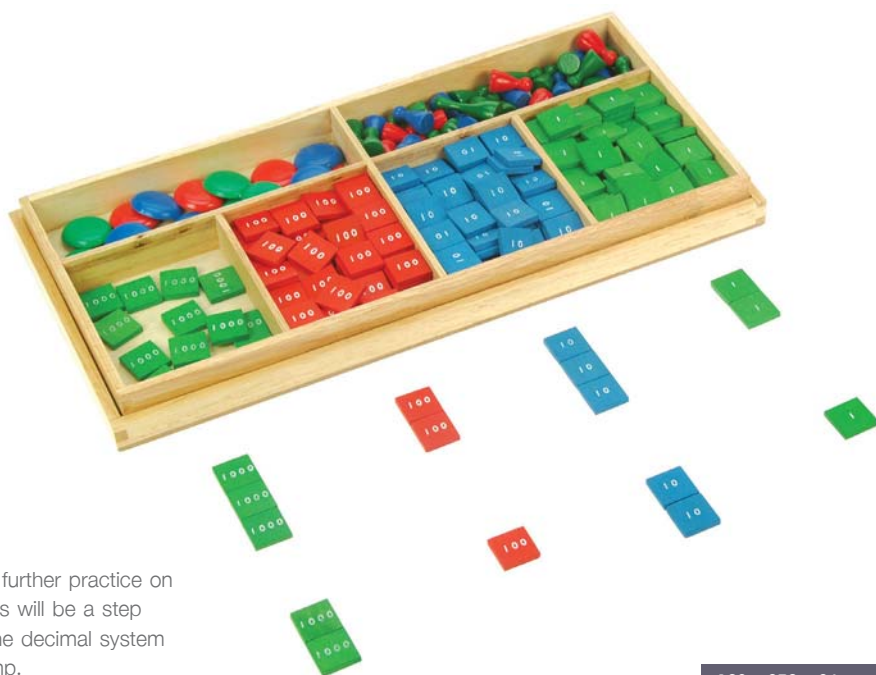
105 x 285 x 55 mm.



02101 SMALL WOODEN NUMBER CARDS 1-9000

A set of small number cards 1-9000 with numbers printed on wood are contained in a wooden box to facilitate handling and storage.

80 x 210 x 50 mm.



08177 STAMP GAME

The Stamp Game gives the child an opportunity to further practice on addition, subtraction, multiplication and division. This will be a step towards abstraction, the quantity and symbols of the decimal system are combined and represented by each of the stamp.

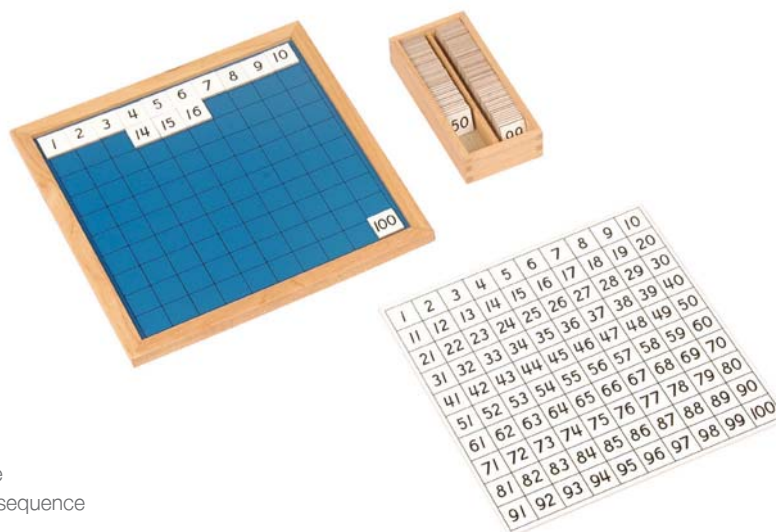
180 x 378 x 34 mm.



08178 DOT EXERCISE FRAMED BOARD

The Dot Exercise Framed Board with grid printed on white board and covered with plastic sheet so that it is erasable after writing on with erasable markers. Through the exercise the child will have the opportunity to further explore column addition and experiences the mechanism of carrying.

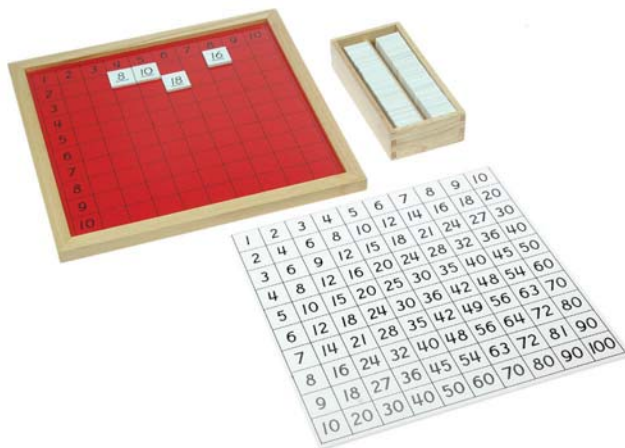
365 x 420 x 12 mm.



02120 HUNDRED BOARD

A set of Hundred Board includes a wooden board with 100 squares printed on and 1-100 printed chips in a wooden box with lid and a controlled chart. Through the exercise the child will have the opportunity to sequence the numbers 1-100.

290 x 290 x 15 mm.



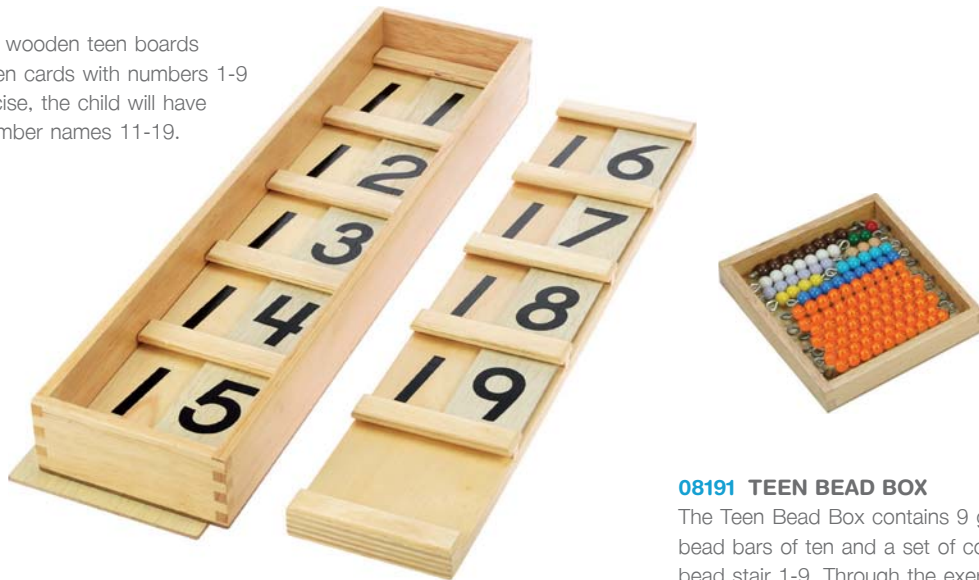
02119 PYTHAGORAS BOARD

A set of Pythagoras Board includes a wooden board with 100 squares printed on, a hundred printed answer chips stored in a wooden box with lid and a controlled chart. The child will have the opportunity to practice his/her multiplications through the exercise.

290 x 290 x 15 mm.

06130 TEEN BOARDS

The Teen Boards include two wooden teen boards in a box with lid and 9 wooden cards with numbers 1-9 printed on. Through the exercise, the child will have the opportunity to explore number names 11-19.



123 x 505 x 58 mm.

08191 TEEN BEAD BOX

The Teen Bead Box contains 9 golden bead bars of ten and a set of colored bead stair 1-9. Through the exercise, the child will associate the quantity and symbol.

06131 TENS BOARDS

The Tens Boards include two wooden tens boards in a wooden box with lid the first board has five printed number slots 10-50 while the second has four printed number slots 60-90. With the set are 9 wooden cards with number 1-9 printed on. Through the exercise, the child will have the opportunity to explore number names of tens and the sequence of numbers 11-99.



123 x 505 x 58 mm.

08192 TENS BEAD BOX

The Tens Bead Box contains 9 bars of ten and 9 unit beads. Through the exercise, the child will associate the quantity with the corresponding numeral on the Tens Boards.



08132 GOLDEN BEAD CHAIN OF 100

The Golden Bead Chain of 100 provides the child experience in counting 1-100, prepares him/her for counting by tens and demonstrates in linear form the square of 100.

08133 GOLDEN BEAD CHAIN OF 1,000

The Golden Bead Chain of 1,000 provides the child experience in counting 1-1,000, prepares him/her for multiplication and demonstrates in linear form the cube of 1,000.

08134 100 AND 1,000 CHAIN FRAME

The 100 and 1,000 chain Frame is a wooden wall frame and is for hanging the 100 and 1,000 chains.



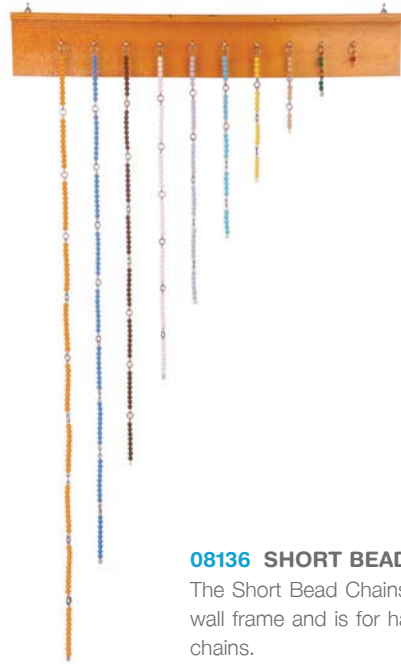
85 x 200 x 12 mm.



08135 SHORT BEAD CHAINS

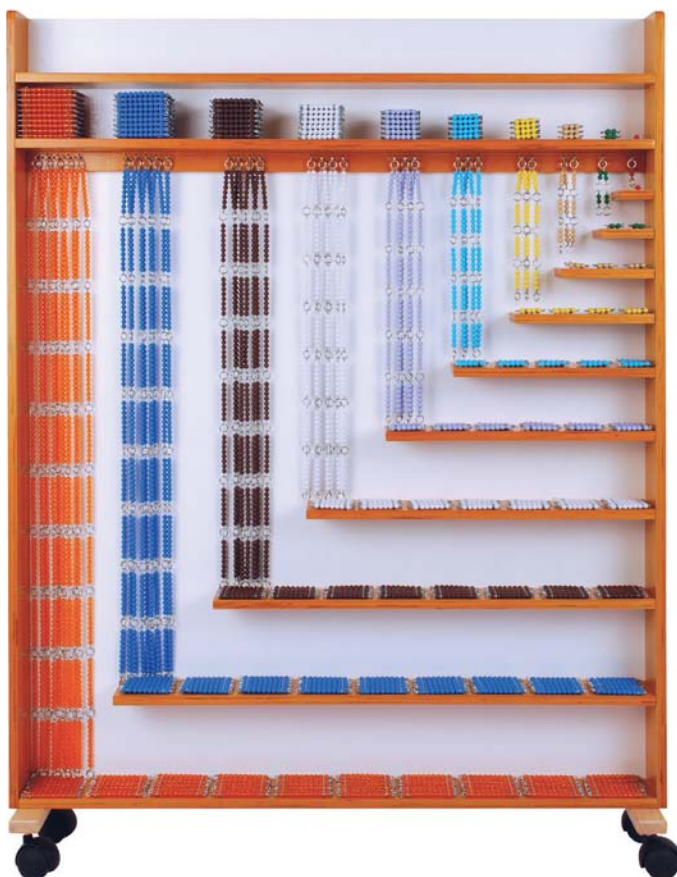
The Short Bead Chains prepares the child for multiplication.

85 x 600 x 12 mm.



08136 SHORT BEAD CHAINS FRAME

The Short Bead Chains Frame is a wooden wall frame and is for hanging the short bead chains.



08137 BEAD MATERIAL

The Bead Material is used for the exercises of linear and skip counting the quantities of the squares and cubes of the numbers 1-10 and prepares the child for later activities in multiplication, squaring and cubing, as well as base number work.

08138 BEAD MATERIAL CABINET

The Bead Material Cabinet is for display the Bead Material and may be moved around with the casters.

180 x 988 x 1,310 mm.



08139 COLORED BEAD STAIRS

The Colored Bead Stairs includes five sets of colored bead stairs stored in a red wooden box with lid and are used for additions, subtraction and multiplication.

86 x 116 x 40 mm.



08140 BLACK AND WHITE BEAD STAIRS

The Black and White Bead Stairs are used for addition and subtraction.

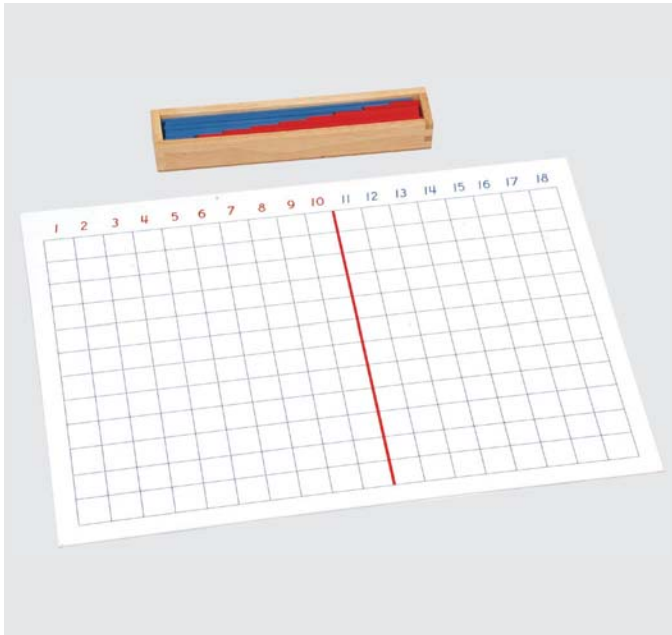
86 x 116 x 40 mm.



08141 ADDITION SNAKE GAME

The Addition Snake Game includes one box with five sets of colored bead stairs, one box with one set of black and white bead stairs, and one box with twenty-three golden ten bars, and is used for introduces the child to addition combinations of the unit numbers. The three boxes fit perfectly into the working tray.

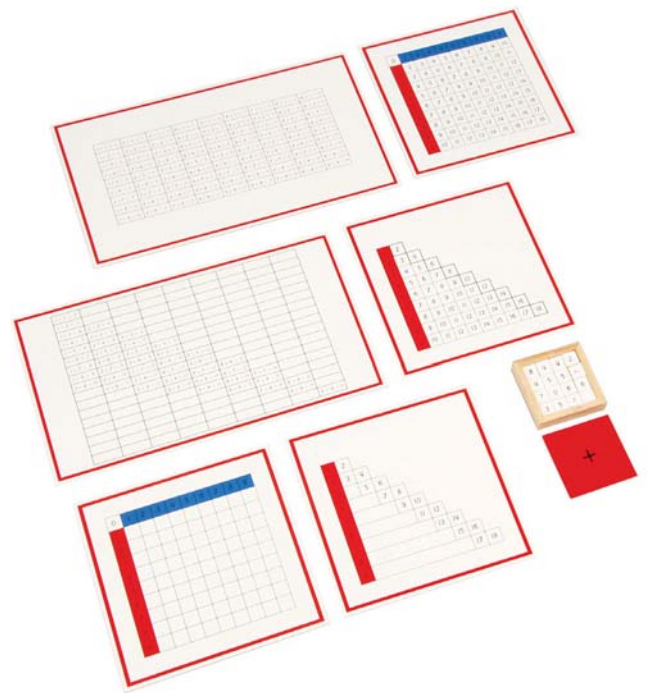
136 x 280 x 45 mm.



07116 ADDITION STRIP BOARD

The Addition Strip Board includes a woodenboard chart 12 squares by 18 squares with numbers 1-18 printed at the top, a box of 18 wooden strips; nine red and nine blue, both printed with numbers 1-9. The material gives the child opportunity to practice the sequence of addition combinations 1-9, and also to begin the process of memorization of the addition tables.

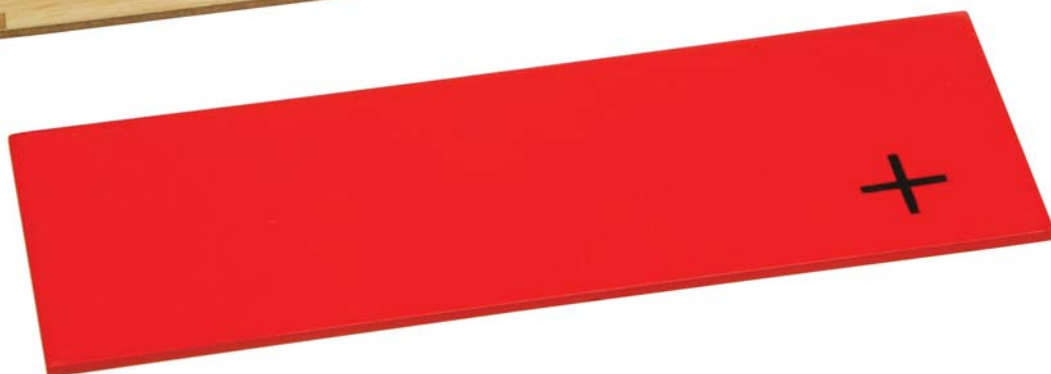
420 x 580 x 10 mm.



08142 ADDITION WORKING CHARTS

The Addition Working Charts include two control charts, four working charts and a box of answer chips. Activities with these charts will give the child opportunity to practice and to memorize the unit addition combinations.

270 x 470 x 25 mm.



08143 ADDITION EQUATIONS AND SUMS BOX

The Addition Equations and Sums Box is made of a wooden box with two-compartments; one contains equations and another the answers. This is for use with the Addition Working Charts.

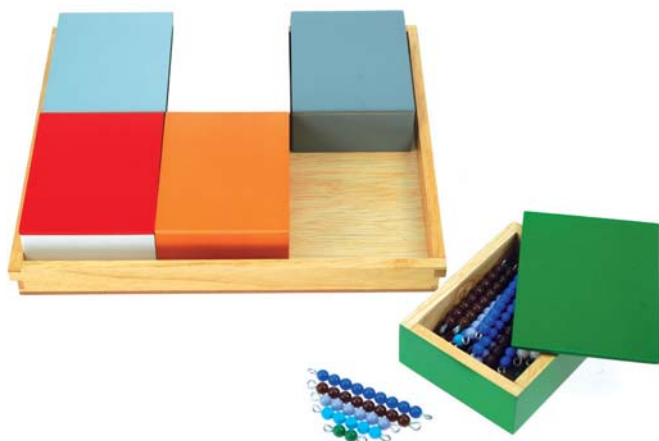
75 x 230 x 33 mm.



08145 SUBTRACTION SNAKE GAME

The Subtraction Snake Game includes sets of four boxes; first box has 5 sets of negative bead stairs, second box has five sets of colored bead stairs, third box has twenty-three golden ten bars, fourth box has a black and white bead stairs. All four boxes placed perfectly into a working tray. Through working with the materials, the child is introduced to the unit combinations of subtraction.

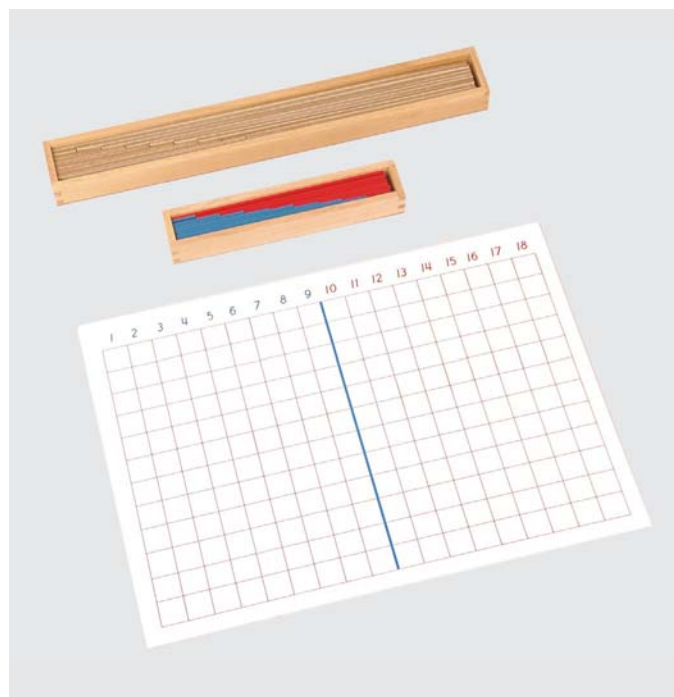
136 x 360 x 47 mm.



08146 ELEMENTARY NEGATIVE SNAKE GAME

The Elementary Negative Snake Game is used for introducing the concept of negative numbers. The boxes include 23 golden ten bars, 23 gray ten bars, a black and white bead stair, 5 sets of negative bead stairs, and 5 sets of colored bead stairs.

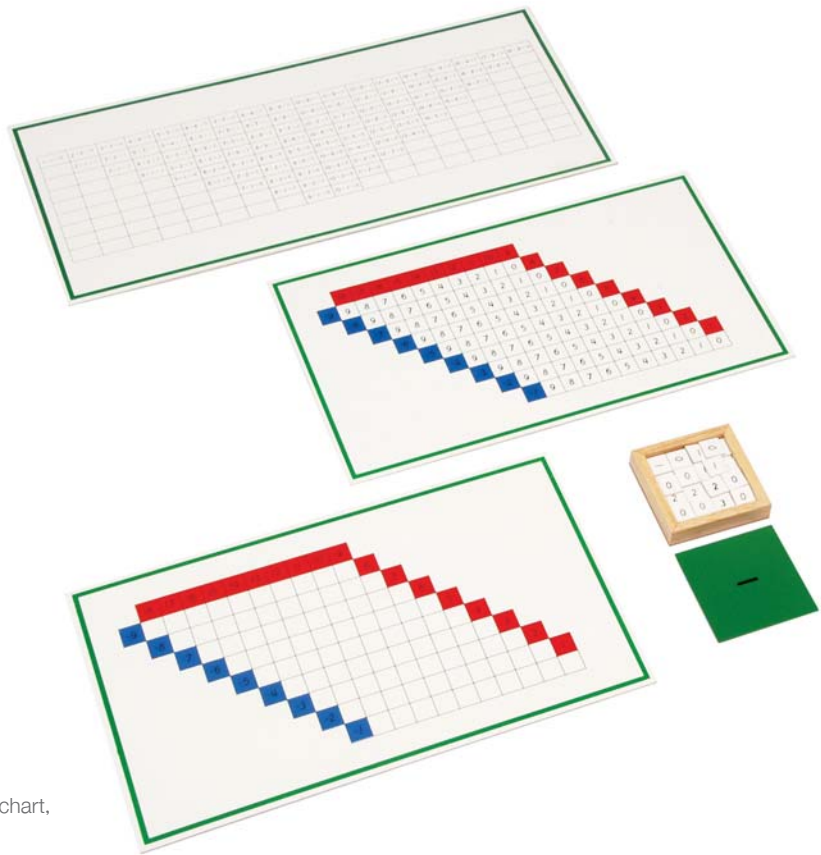
255 x 280 x 45 mm.



07117 SUBTRACTION STRIP BOARD

The Subtraction Strip Board includes a wooden subtraction strip board, natural wooden strips corresponding in length to the squares 1-18 for use to indicate the number to subtract from, and a set of blue strips for use to subtract with. A set of red strips also included for further explorations for the child.

350 x 483 x 3 mm.



08147 SUBTRACTION WORKING CHARTS

The Subtraction Working Charts include a control chart, two working charts and a box of answer chips. The materials are for the child to practice and memorize the subtraction combinations.

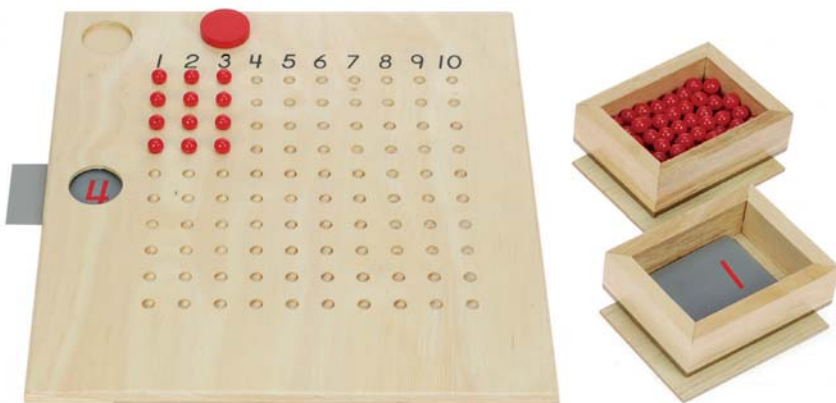
270 x 600 x 25 mm.



08148 SUBTRACTION EQUATIONS AND DIFFERENCES BOX

The Subtraction Equations and Differences Box is made of a wooden box with two-compartments; one contains equations and another the answers. This is for use with the Subtraction working charts.

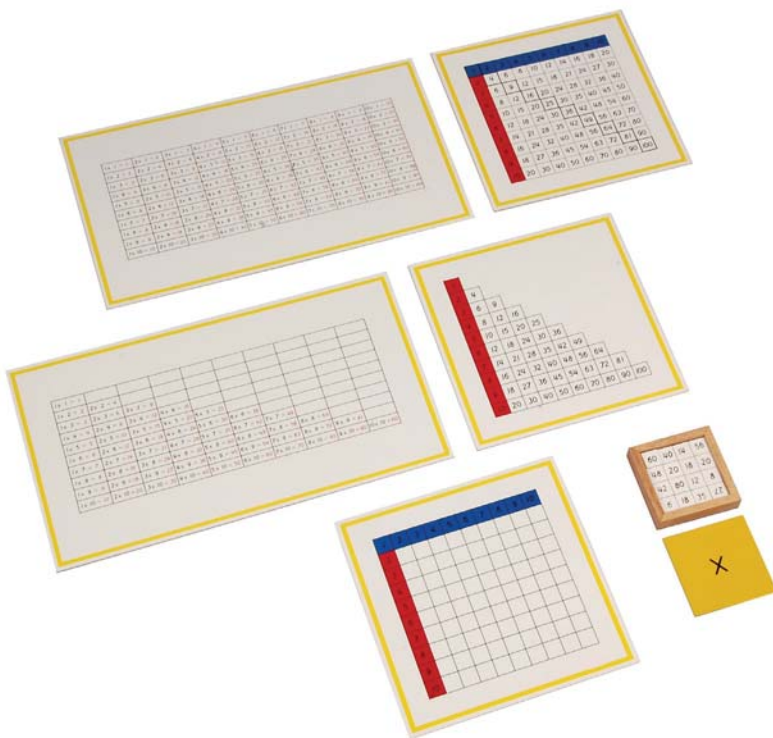
75 x 230 x 33 mm.



08150 MULTIPLICATION BOARD SET

The Multiplication Board Set is for the child to use for practice with the multiplication tables 1 x 1 through 10 x 10

230 x 250 x 37 mm.



08151 MULTIPLICATION WORKING CHARTS

The Multiplication Working Charts include two control charts, three working charts and a box of product chips. The materials are for the child to practice and memorize the multiplication tables 1 x 1 through 10 x 10

270 x 470 x 28 mm.



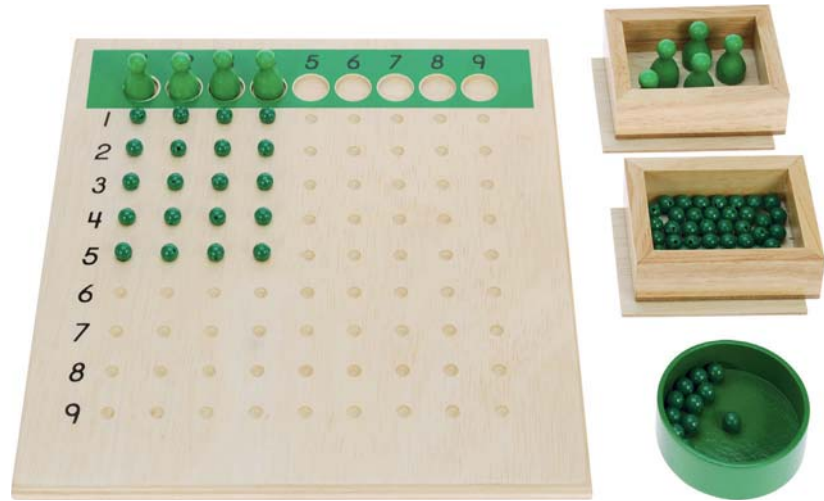
08152 BOX OF MULTIPLICATION EQUATIONS AND PRODUCTS

The Box of Multiplication Equations and Products is made of a wooden box with two-compartments; one contains equations and another the answers. This is for use with the Multiplication Working Charts.

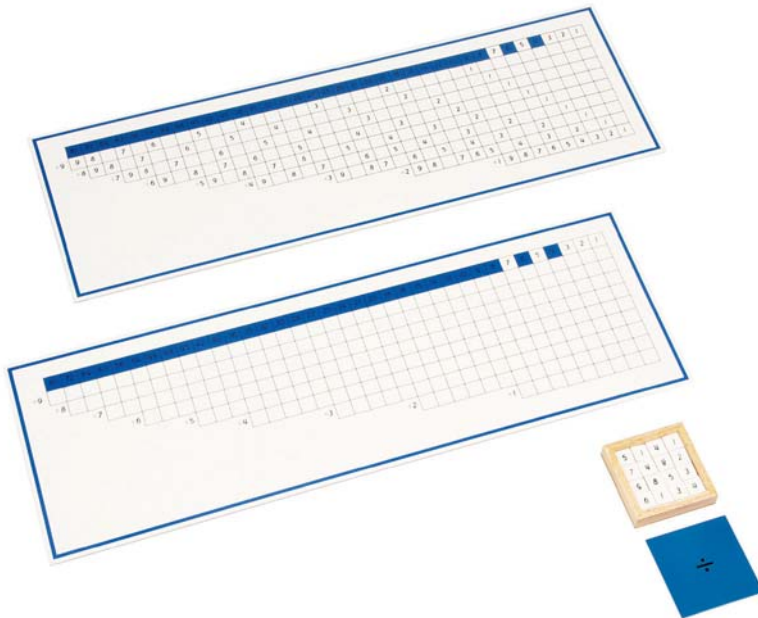
75 x 230 x 30 mm.

08154 UNIT DIVISION BOARD

The Unit Division Board includes a unit division working board, a box of nine green unit skittles, a green bead cup, and a box of 81 green beads. The materials are for the child to use for practice the tables of divisors with the dividends 1- 81 and divisors 1-9.



230 x 250 x 30 mm.



08155 DIVISION WORKING CHARTS

The Division Working Charts includes two working charts and a box of answer chips. The first working chart later becomes the control chart. The Materials are for the child to practice and memorize the division combinations.

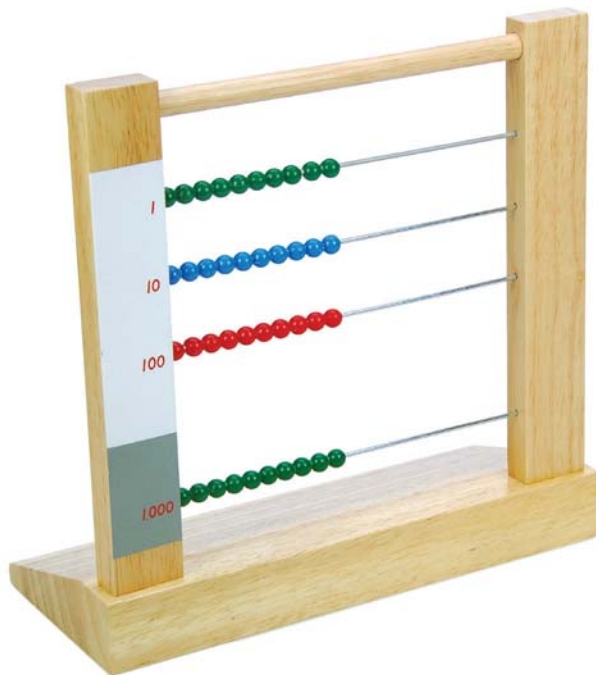
270 x 790 x 28 mm.

08156 DIVISION EQUATIONS AND DIVIDENDS BOX

The Division Equations and Dividends Box is made of a wooden box with two-compartments; one contains all the equally divisible problems for numbers 1-81 and another the results. This is for use with the Division Working Charts.



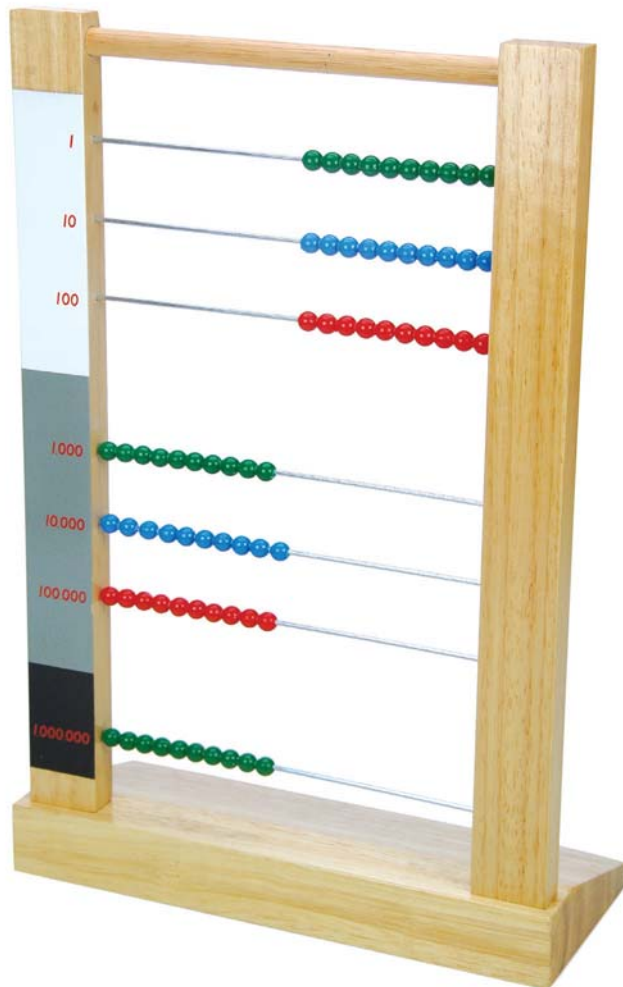
75 x 230 x 33 mm.



08158 SMALL BEAD FRAME

The Small Bead Frame is an abstraction for the decimal system exercises of addition and subtraction.

230 x 255 x 100 mm.



08157 LARGE BEAD FRAME

The Large Bead Frame is an abstraction for the decimal system exercise of multiplication.

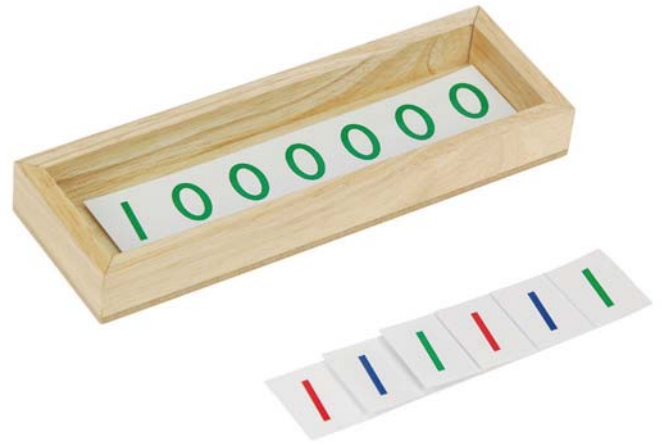
230 x 346 x 100 mm.



08159 GEOMETRIC HIERARCHY OF NUMBER

The Geometric Hierarchy of Number is used to represent in geometric form the hierarchy of numbers for a unit, ten, hundred, one thousand, ten thousand, one hundred thousand and one million.

500 x 555 x 500 mm.



08160 GEOMETRIC HIERARCHY NUMBER CARDS

The Geometric Hierarchy Number Cards are for each of the numerals 1, 10, 100, 1,000, 10,000, 100,000 and 1,000,000 printed in hierarchy colors on cards in graduated sizes.

66 x 200 x 28 mm.



08161 CHECKER BOARD

The Checker Board is used for short and long multiplication with the hierarchies in the decimal system up to 100,000,000. Includes with the Checker Board are Checker Board Beads and Number Tiles in their individual boxes.

406 x 770 x 46 mm.



08162 DECANOMIAL BEAD BAR BOX

The Decanomial Bead Bar Box consist of a set of bead bars from 1-10 in ten compartment box contains 55 of each of the colored bead bars which is used for building the decanomial. Multiplication table 1 to 10 may be constructed in geometric form using the beads.

316 x 337 x 40 mm.



08164 FLAT BEAD FRAME

The Flat Bead Frame contains nine columns of movable golden beads and is use as final step in the passage to abstraction with multiplication.

25 x 360 x 20 mm.



08163 BANK GAME

The Bank Game is for reinforcement the concept of long multiplication and is used by group of children whom assume different roles as they perform the game.

275 x 280 x 36 mm.



04104 POWER OF TWO CUBE

The Power of Two Cube demonstrates power of two by its component parts of cubes and prisms, each a progression of squaring the previous piece.

115 x 115 x 100 mm.



08166 POWER OF THREE CUBE

The Power of Three Cube demonstrates the power of three by its component parts of cubes and prisms.

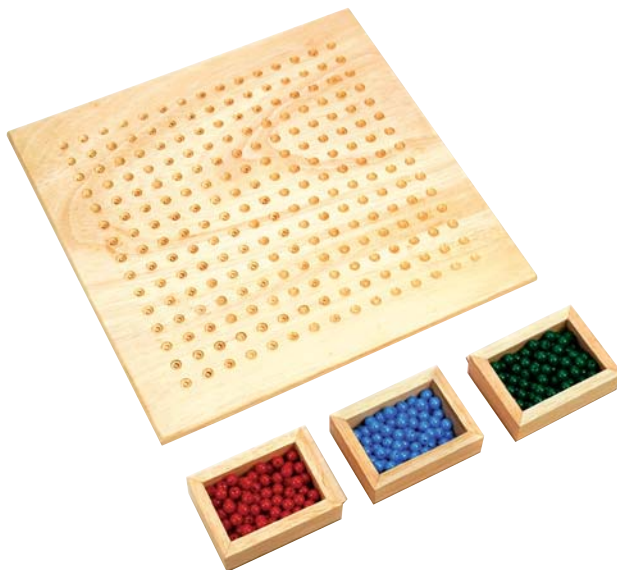
320 x 293 x 320 mm.



08165 MULTIBASE MATERIAL

The Multibase Material is for hierarchical and geometric representation of numbers in bases 2 and 3 for counting forwards and backwards, and for converting numbers from base 10 into these bases and vice versa.

355 x 610 x 115 mm.



08168 SQUARE ROOT BEAD BOARD

The Square Root Bead Board consists of a wooden board with 225 indentations for working square roots, three boxes of one hundred green blue and red beads in each box. Children use the Square Root Bead Board to build squares and to extract square roots.

290 x 290 x 9 mm.



08169 ALGEBRAIC PEG BOARD

The Pegboard and color-coded pegs and cups are used for demonstrating the mechanism of finding square root.

40 x 570 x 20 mm.



04101 BINOMIAL CUBE

The Binomial Cube consists of 8 wooden component cubes and prisms painted red, blue and black. The material is a concrete representation of the algebraic formula $(a + b)^3$. The factors of the equation are represented by the cubes and prisms.

100 x 100 x 90 mm.



04102 TRINOMIAL CUBE

The Trinomial Cube consists of 27 wooden component cubes and prisms painted red, blue, yellow and black. The material is a concrete representation of the algebraic formula $(a + b + c)^3$. The factors of the equation are represented by the cubes and prisms.

125 x 125 x 115 mm.



04103 HIERARCHICAL TRINOMIAL CUBE

The Hierarchical Trinomial Cube consists of 27 wooden component cubes and prisms. The cubes represents the equation $(a + b + c)^3$ in concrete form and is different from the Trinomial Cube; the component pieces and color-coded to represent hierarchical values from one unit to one million, these make it possible for the child to equate an arithmetical value to each of the cubes and prisms.

130 x 130 x 130 mm.

08170 CUBING MATERIAL

The Cubing Material consists of one cube and 27 squares for each of the numbers from 1 to 9. The child uses the cubing material to construct cubes and to explore relationships between their component parts. The exercise will prepare the child for abstract analysis of binomial and trinomial cubes along with cube roots.



380 x 375 x 102 mm.

08171 COLORED COUNTING BARS

The Colored Counting Bars consist of twenty bars of each quantity 1-10 stored in 10 compartments box. The child use these colored counting bars as a transition between the bead bars and the solid materials.



470 x 555 x 70 mm.

07118 FRACTION SKITTLES

The Fraction Skittles represent divisors of $\frac{1}{2}$, $\frac{1}{3}$ and $\frac{1}{4}$.



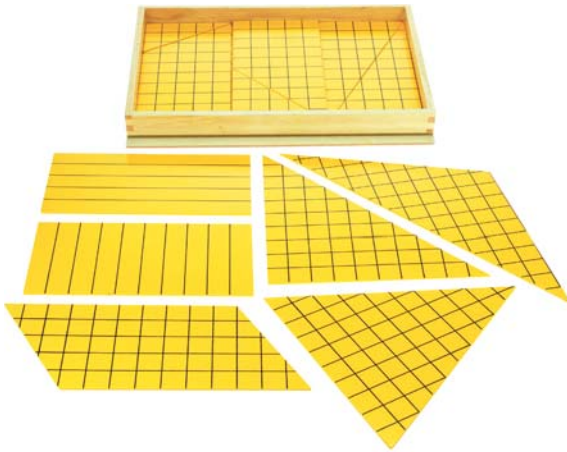
120 x 375 x 165 mm.

09123 DECIMAL FRACTION EXERCISE

Set consists of a decimal fraction board and beads with number tiles. The fraction numbers and wooden beads are stored in a wooden box with lid.



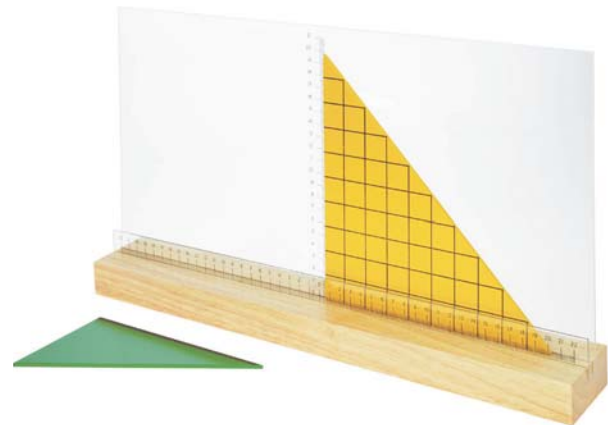
370 x 400 x 40 mm.



08172 YELLOW TRIANGLES FOR AREA

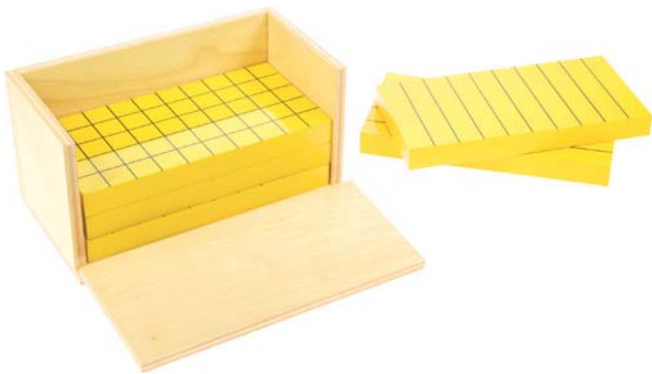
The Yellow Area Material is used as an introduction to the study of area. The exercises with these triangles will assist the child to understand how the area of a triangle is derived.

220 x 320 x 35 mm.



09124 STAND FOR HEIGHT

65 x 460 x 250 mm.



09125 YELLOW PRISMS FOR VOLUME

The Yellow Prisms for Volume consists of 5 wooden rectangular prisms painted yellow and ruled in lines and squares for calculating the volume of a rectangular prism.

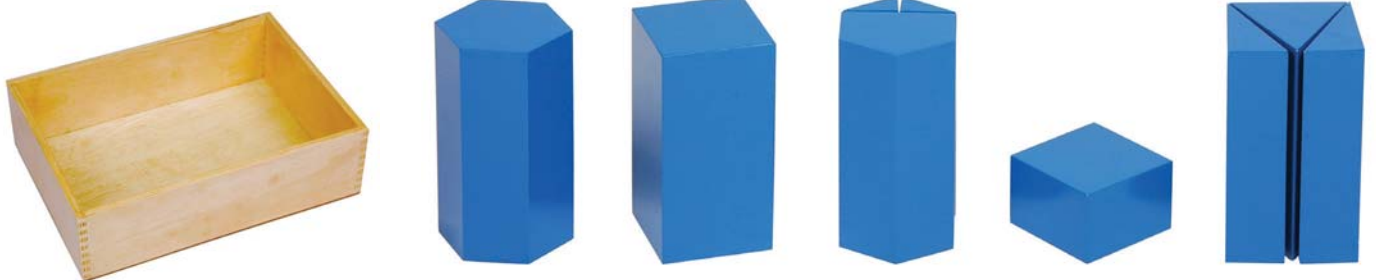
100 x 200 x 100 mm.



08173 WOODEN CUBES FOR VOLUME

The Wooden Cubes for Volume is used for calculation of volume.

120 x 220 x 120 mm.



08175 LARGE GEOMETRIC SOLIDS SET 1

Large Geometric Solids are for volume calculation.

330 x 460 x 205 mm.

BOTANY

07121 BOTANY PUZZLES

The Botany Puzzles include a set of three wooden Botany Puzzles; one of the tree, one of the leaf, and one of the flower.



255 x 250 x 235 mm.

07122 ANIMAL PUZZLES

The Animal Puzzles include a set of five wooden animal puzzles each represent the characteristics of the different vertebrate groups.



255 x 255 x 330 mm.



07120 BOTANY CABINET

The Botany Cabinet consists of a cabinet with three drawers containing a total of 14 leaf shape insets and frames. Through activities with the botany cabinet, the child learns the different shapes and names of the leaves.

325 x 450 x 130 mm.



07124 LEAF CARDS BOX

Leaf Cards Box has three compartments for storage of the leaf cards by solids, thicks, and thins outlines in each of the compartments.

120 x 265 x 90 mm.

07125 LEAF CARDS

The Leaf Cards consist of 3 series of 14 cards each correspond to the leaf shapes in the Botany Cabinet; first series the forms are filled in, the second contains thick outlines, and the third has thin outlines.

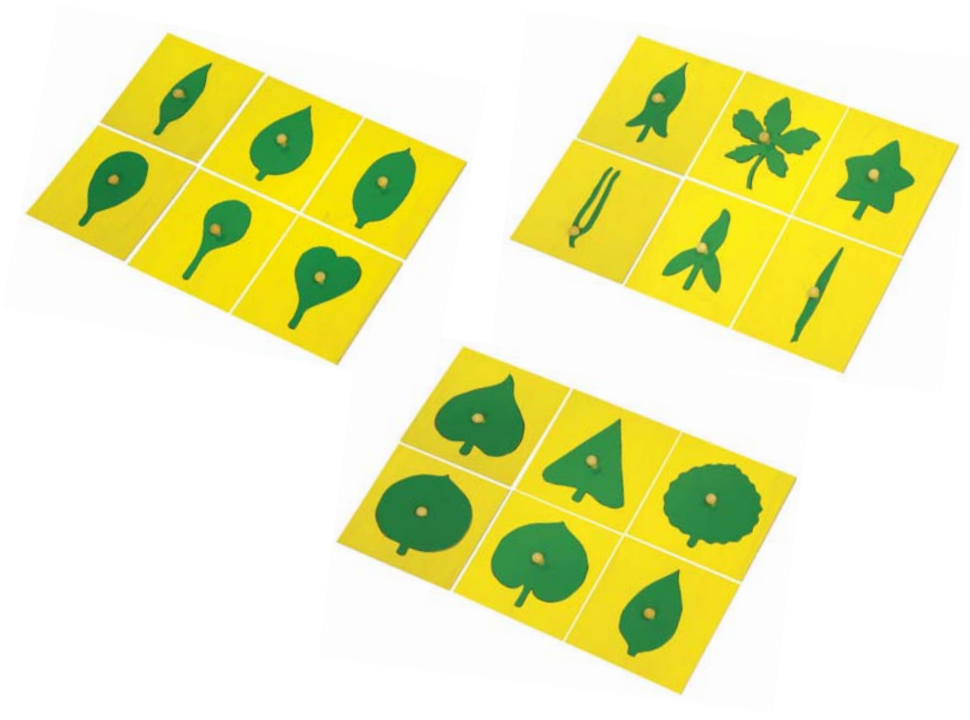
140 x 140 mm.



07123 LEAF CARDS CABINET

The Leaf Cards Cabinet has three shelves and is for storage of the cards to correspond with the drawers of the Botany Cabinet.

255 x 250 x 255 mm.

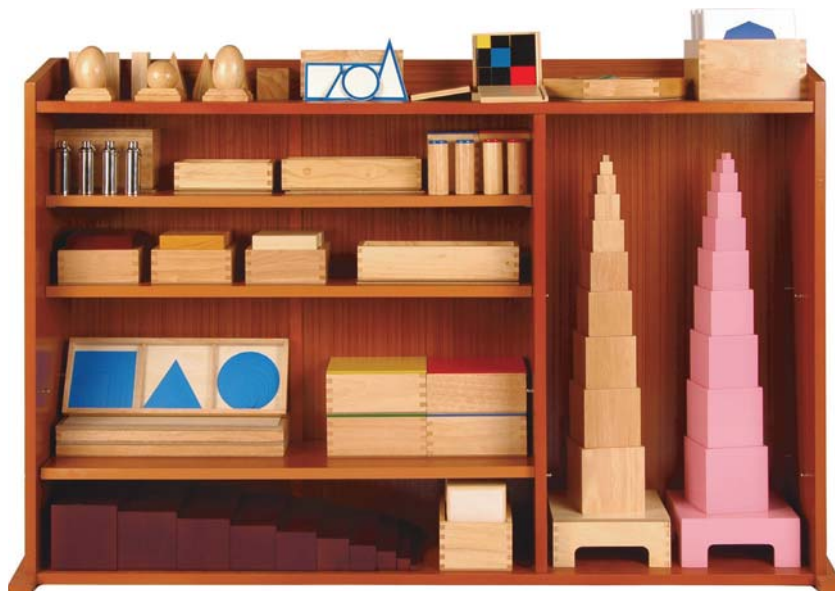


07119 LEAF SHAPES, INSETS (REPLACEMENT SET)

140 x 140 x 20 mm.

REPLACEMENT SETS





**MONTESSORI SENSORIAL CABINET
(Materials not included)**

This cabinet is designed to keep or display any supplies. It provides adjustable shelves and roomy for convenient use.
(cabinet only)

235 x 1,250 x 800 mm.



02308 MONTES CABINET STORAGE (ONLY CABINET)

235 x 1,250 x 800 mm.



02308 MONTES CABINET STORAGE (ONLY CABINET)

235 x 1,250 x 800 mm.