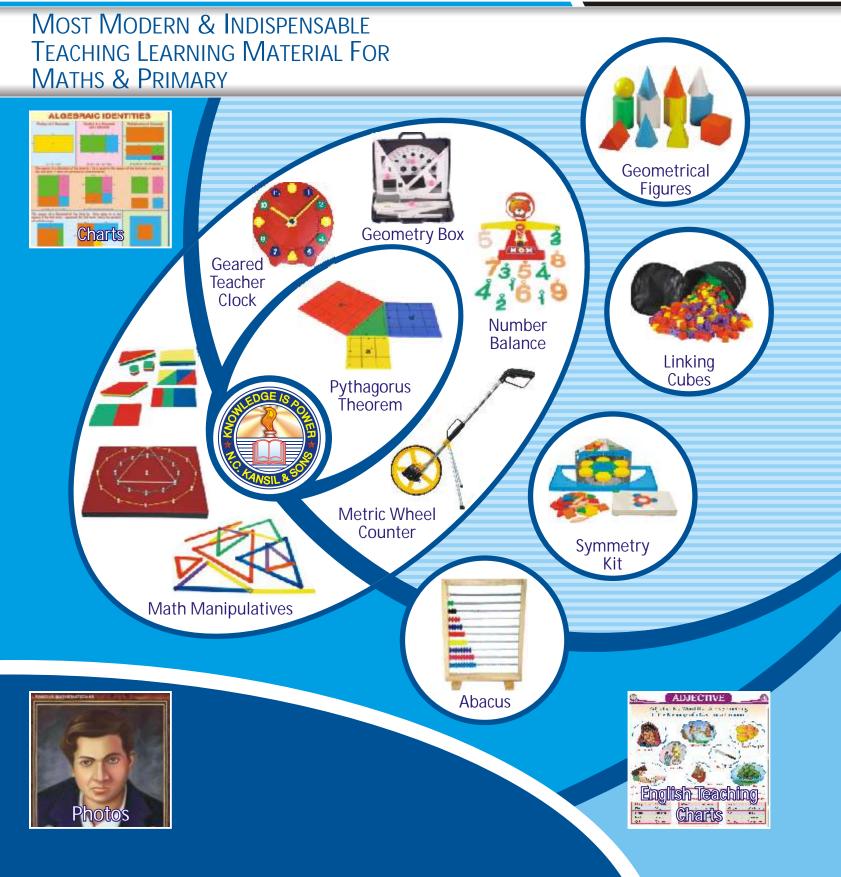
# KANSIL'S MATHS CATALOGUE

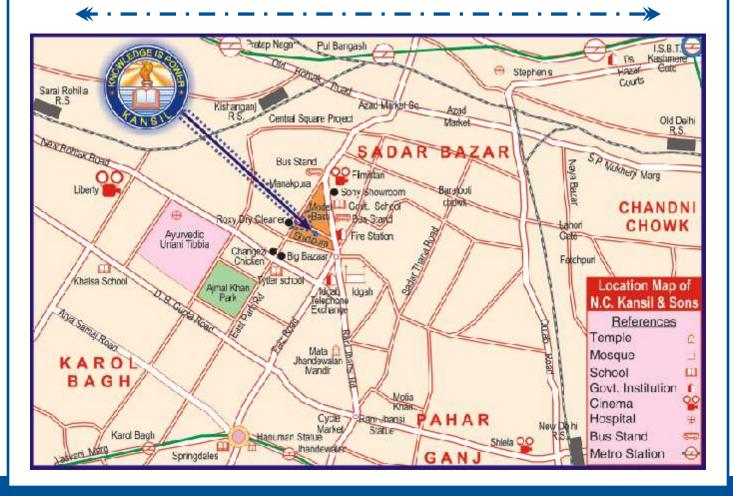
# Jul-Sept, 2020



Dear Patron,

The use of Educational Teaching Aids is gaining importance day by day and furnishing of Maths Lab has been made mandatory in some schools. These equipments in fact play a very vital role in making the intricate looking concepts of mathematics very easy to comprehend. During the past years we have been working on it tirelessly and now the results are very impressive as is reflected in this catalogue.

In the last pages of the catalogue we have given very beautiful charts on Alphabets, Nursery Rhymes, Hindi Teaching, Sanskrit Teaching and English Teaching. These are really wonderful. Please have a look, you will feel the importance.



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# Some Tips to Study the Catalogue

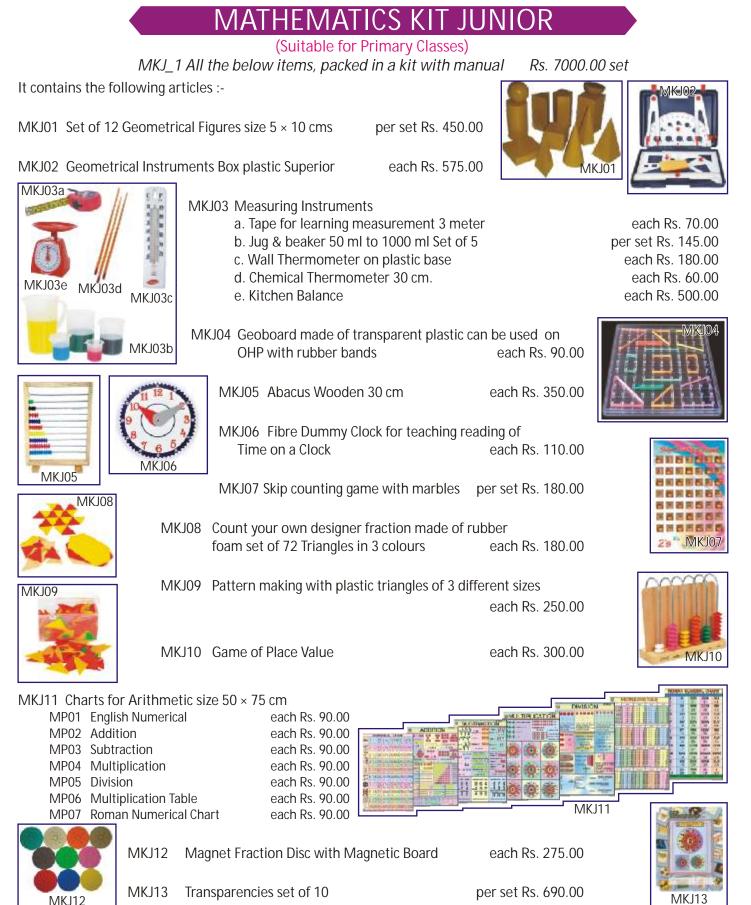
- Welcome! You are about to enter the wonderfully exciting world of Teaching Aids. In the following pages of this catalogue you will come to know the products manufactured and marketed by us. Before you start browsing through them we give below some tips that will help you to study it better and effectively.
- 1. All the articles are manufactured in very heavy quantity by using very costly designs, dies and patterns. As such the size and description cannot be changed or altered at will. Please prepare your requirements according to the material and size mentioned in the catalogue.
- 2. All the articles are properly coded. Please mention the code and language.
- 3. The illustrations of charts are very selective. Each and every chart cannot be displayed in the catalogue. As such while placing an order please consult the detailed list mentioned therein.
- 4. The panorama of the Teaching Learning Material has been very well arranged subjectwise and where ever necessary we have given cross references.
- 5. It may be stated that the division of the catalogue i.e. Science, Social Studies, Maths is just for the sake of convenience. You may place your requirements with us all in one lot.

# PLEASE NOTE

- 1. Customers' full satisfaction is our business policy. We are fully confident of the high standard and quality of our products.
- To avoid delay in the execution of your order, please be careful as to mention:

   a. The code, size & language of the map, chart, model or globe required by you.
   b. Your complete address with pincode and telephone number.
- 3. The prices mentioned are nett Ex-godown. GST, Packing, Forwarding & Transportation charges extra. Please note that these prices are not M.R.P.
- 4. GST : At present maps, charts and globes are exempted from GST. For other items, GST as applicable on the date of supply will be charged extra.
- 5. Please mention very clearly your exact requirements mentioning either the cost or our catalogue page No. and item code No. This will help us in processing your indents at a faster speed.
- 6. Images shown in the catalogue are for reference only. It may differ in colour or shade from actual product.
- 7. Please look for our Hologram to buy genuine products.
- 8. All disputes subject to Delhi Courts Jurisdiction only.

# MATHS SECTION



Better equipment will give long lasting service.

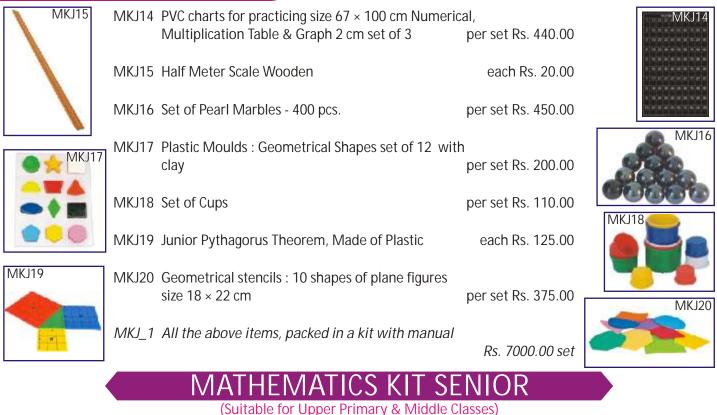
# MATHS SECTION

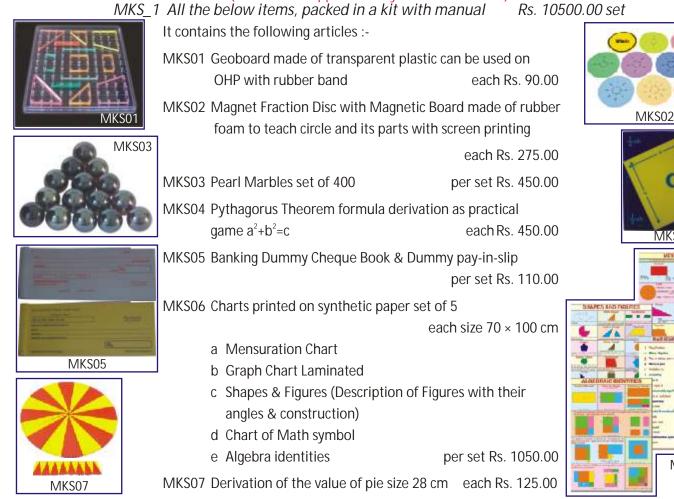
### N. C. KANSIL & SONS, NEW DELHI

C

MKS04

MKS06





The articles are manufactured under strict supervision.



**MKS12** 

MKS18

MKS15

### MKS08 Set of cups with volume marked

MKS09 Cubes of Algebra size 2 cm. set of 128 cubes

MKS10 Mensuration kit : for understanding the following

- a. Area of Parallelogram
- b. Area of Triangle set of 3 c. Area of Rhombus
- d. Area of Trapezium
- e. Mid Point Theorem
- f. Area of a Circle
- g. Properties of Parallelogram
- h. Quadrilateral Formed by the Mid Points of a Quadrilateral
- i. Algebraic Identity set of Cubes

MKS12 Sextant model

MKS16 Vernier Caliper

MKS19 Rain Gauge Brass

MKS13 Theodolite model

MKS14 Optical Square Brass

MKS15 Cross Vertical Staff Brass

MKS17 Model Standard Time Indicator

MKS18 Metal wired Tape 15 meter

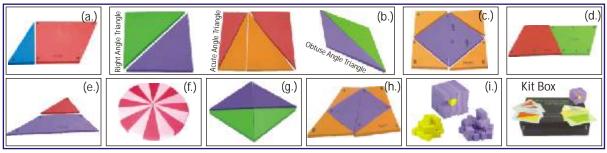
MKS20 Angle in a circle & its part

# MATHS SECTION

each Rs. 125.00 per set Rs. 460.00



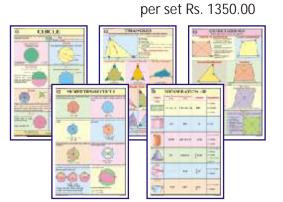
per set 1800.00

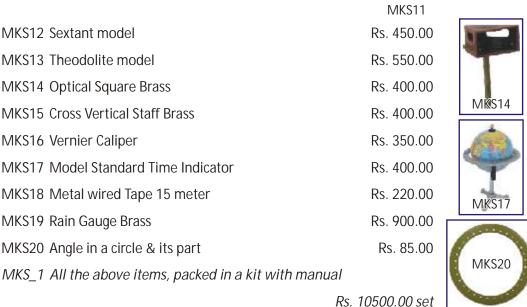


MKS10 Mensuration Kit

MKS11 Charts on Mathematics for upper primary Set of 15 MUP01 Number system MUP02 Algebra-definitions & formulae MUP03 Addition of rational numbers MUP04 Multiplication of rational numbers MUP05 Some Geometrical concepts **MUP06** Angles **MUP07** Pair of Angles **MUP08** Triangles

MUP09 Quadrilateral MUP10 Circle **MUP11** Congruent Triangles MUP12 Properties of Circles MUP13 Mensuration - I MUP14 Mensuration - II MUP15 Profit & Loss





A vivid display will go down deep in memory

MKS16

MKS19

M-3

# MATHS SECTION

# ADDITIONAL ITEMS FOR MATHEMATICS LABORATORY



### DRAWING MODELS Set of 12 (Wooden)

DM01	Size $15 \times 30$ cm (Multi Coloured)	set Rs. 2850.00
DM02	Size 10 × 15 cm (Multi Coloured)	set Rs. 1300.00
DM030	Size 5 × 10 cm (Multi Coloured)	set Rs. 500.00
DM04	Size 3 × 5 cm (Natural Finish)	set Rs. 170.00
DM05	Size 4 × 7 cm set of 20 Multi Colour	ed set Rs. 450.00
DM07	Size 15 x 30 cm (Multicoloured) Ma	ade of fibre Glass
		Rs. 3700.00

### METER SCALES ML01 Meter Scale Wooden

- each Rs. 40.00
- ML02 Half Meter Scale Wooden each Rs. 20.00
- ML03 Meter Scale Wooden with Handle each Rs. 125.00
- ML04 Half Meter Scale Wooden with Handle

each Rs. 65.00



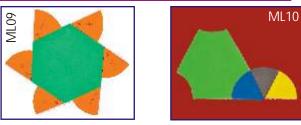


 ML05 Transparent Acrylic figures : Cube, Cuboid, Cone, Cylinder and 2 hemispheres set Rs. 1425.00
 ML06 Ring of Theorem: (This is an amazing innovation for circle related theorems) Angle in semi Circle, Angle in segment, Center angle properties, Angle subtended in the same segment etc.



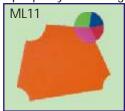


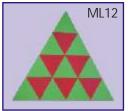
- ML07 Hollow Sphere (Transparent) : To demonstrate the complicated concept of calculating mass of hollow sphere. each Rs. 350.00
- ML08 Hollow Cylinder (Transparent) : To demonstrate the complicated concept of calculating mass of hollow cylinder. each Rs. 350.00



 $\begin{array}{lll} \text{ML09 Exterior Angle of Regular Polygon : Equipment to} \\ \text{demonstrate the sum of exterior angle of polygon is} \\ 360^{\circ}. \\ \text{each Rs. 330.00} \end{array}$ 

ML10 Angle Sum Property of Triangle : Magnetic triangle with its angles cutout to demonstrate angle sum property of a triangle. each Rs. 160.00



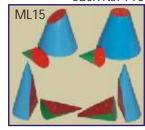


ML11 Angle Sum Property of Quadrilateral : Magnetic quadrilateral with its angles cutout to demonstrate angle sum property of a quadrilateral.

each Rs. 160.00

ML12 Ratio of Area of Similar Triangles : To verify the result that ratio of the areas of two similar triangles is equal to the ratio of the squares of their corresponding sides. each Rs. 110.00





ML13 Volume Relation between Cone and Cylinder : of same dia and equal height. each Rs. 110.00

ML15 Conic Section (Set of 4) : Parabola, Hyperbola, Circle & Ellipse. set Rs. 850.00





- ML16 Combination of Cube and Sphere (Transparent): Plastic each Rs. 110.00
- ML17 Construction of Parabola : An equally marked points of division are joined together to construct Parabola. each Rs. 125.00

# MATHS SECTION





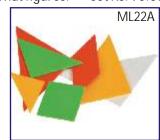
ML18 Angle property of Cyclic Quadrilateral Opposite angles are supplementary. ML19 Clinometer Compass each Rs. 300.00



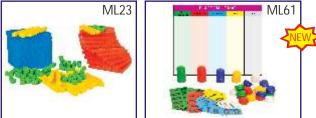


 ML20 Power<sup>2</sup> (Power of Two) : To understand the concept of square number. By using the same article student can also learn Cartisian coordinates. each Rs. 350.00
 ML21 Sit and Set (Set of 6 different Combo Flat Shapes) : It is an interesting puzzle to understand. Shapes, size, combination of different flat figures. set Rs. 90.00





ML22 Tangram : This is popularly known as famous Chinese Puzzle. Made of foam, set of 4 pcs. set Rs. 90.00 ML22A Tangram : Plastic, set of 4 pcs. set Rs. 180.00 ML139 Magnetic Tangram : It is a perfect tool for class room demo. size 21 x 21 cm set Rs. 240.00



ML23 Base and Place Value Kit: This kit can be used to explain the idea of base value and place value and to demonstrate volume of centimeter cube.

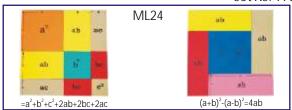
each Rs. 575.00

ML61 Place Value Mat with Stacking Counters: Helps children visualize place as they build numbers from 1 to 99,999. Set of 5 colour-coded stacking counters support in learning numeric, written, and expanded forms of a number and number operations. It also includes place value mat and place value cards. Counter snaps together vertically and can be stack in its appropriate place. set Rs. 480.00



- ML62 Place Value Chart with Sticks : Making bundles of ten sticks to represent tens, gives a hands-on experience to group numbers in tens. This kit allows chilldren to perform activities related to place value counting, grouping, concept of hundreds, tens and ones, numeration and number operation. set Rs. 575.00
- ML63 Place Value Cards : A set of 45 cards for 5 different places-ones, tens, hundreds, thousand and ten thousand. Can be used to distinguish between face value and place value, and to represent expanded and standard form of a number. It also helps in developing quick arithmetic strategies.

set Rs. 175.00



ML24 Algebra Identity. (Set of 2) to prove the following identities:  $(a+b)^2$ ,  $(a+b+c)^2$ ,  $(a+b)^2-(a-b)^2 = 4ab$ To demonstrate the complex identities in a simpler way. set Rs. 780.00





- ML25 Fraction Square : To understand the concept of Square fraction and percentage. set Rs. 190.00
- ML26 Decimal Plate (Set of 4): To show the process of multiplication of decimals with help of square or rectangular grid plate. set Rs. 220.00
- ML27 Roman Number Kit. (Group Activity): To teach roman number with the help of roman numerical printed tiles and teacher magnetic roman kit.

set Rs 575.00

Equipments are made for long trouble free service.

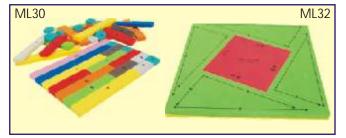
# MATHS SECTION



ML28 Number with Plate : This is an interesting activity to teach digit arrangement and their place value.

set Rs. 500.00

ML29 Triangle Kit (Group Activity set of 5 kits) To teach congruency of triangle, classification by their angle and sides. set Rs. 250.00



ML30 Cuisenaire Strips (Group Activity for 5 set Rs. 250.00 ML31 Geometry Kit : It helps to make all kinds of guadrilateral. Polygons by arranging multipurpose

strips. each Rs. 110.00

ML32 Pythagorus theorem: proved by using reverse method. each Rs. 400.00



ML33 Pythagorus theorem: by arranging small square pieces to make side square each Rs. 125.00 ML34 Magnifying Measures: To teach metric conversions

ML34 Magnifying Measures: To teach metric conversions of inches, cm & mm each Rs. 220.00 ML35 ML37



ML35 Integer number line Bar. each Rs. 285.00 ML37 Polyhedron and their net: To understand different solid shapes and idea of faces, edges & vertices.

each Rs. 460.00



ML36 Metric Wheel: by knowing the circumference, student can calculate the length of any distance.

each Rs. 450.00



ZX-6501 Metric Wheel with Counter: Suitable for land road precision measurement. Illuminated panel with button. Counter adds when moving forward & substracts in reverse. Folding handle with switch light. Attachable kick stand & carrying bag. 318mm dia wheel. Measures up to 9999.9m Rs. 4000.00





ML38 Fraction Wheel EVA Foam. ML38A Fraction Wheel EVA Foam mag. ML39 Formation of Tetrahedron. each Rs. 125.00 each Rs. 250.00 each Rs. 500.00



ML40 Dummy Currency Notes- 5pcs each of Rs 1, 2, 5,10, 20,50,100,200,500, & 2000/-. per set Rs. 60.00



- ML51 Linking Cubes 1.5 cm interlinking cubes set of 1000 pcs. in ten colours. Rs. 1725.00
- ML51A Linking Cubes 1.5 cm interlinking cubes set of 500 pcs. in five colours. Rs. 920.00
- ML51B Linking Cubes 1.5 cm interlinking cubes set of 100 pcs. in two colours. Rs. 240.00

M-6

# ML41

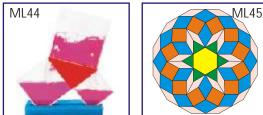
ML41 Linking Cubes (Multi Pack) 2cm interlinking cubes set of 625 pcs. in five colours, packed in a storage bag.

Rs. 2250.00

ML41A Linking Cubes (Student Pack) 2cm interlinking cubes set of 128 pcs. in two colours Rs. 460.00



- ML42 Integer Tiles : Set of 100 tiles used for understanding addition and subtraction of integers Made of plastic Rs. 275.00
- ML43 Parallelogram kit: Set of 6 parallelograms used to demonstrate various properties. Made of plastic. Magnetic. Rs. 300.00

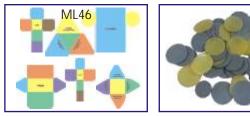


ML44 Working Model of Pythagorus theorem (Acrylic).

Rs. 800.00

ML47

- ML45 Pattern Blocks (Multi Pack) containing Hexagons trapezoids, Rhombus, Triangles, Diamonds & Squares in assorted colours & quantities set of 864 pcs. Rs. 950.00
- ML45A Pattern Blocks (Student Pack) same as above but set of 144 pcs Rs. 170.00



ML46 Paper Nets of Solid Shapes: Set of 7x2 each. ML47 Dummy Coins set of 60 pcs.

each Rs. 100.00 Rs. 150.00

# MATHS SECTION



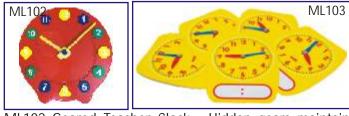


ML48 Jumbo Beads set of 100 pcs. ML49 Beads with String set of 100 pcs.





ML50 Beads with String with Hangers Beads dia 4cm Set of 100 Beads in 2 Colours : A very useful resource for whole class. Children can easly recognize the pattern of 10s, and can learn the concept of counting, estimation, quick number operations, etc. It's a concrete number line to repreasent positioning of numbbers. Rs. 425.00



- ML102 Geared Teacher Clock : Hidden gears maintain correct hour and minute relationships as you manipulate movable hands. Made of durable plastic. each Rs. 575.00
- ML103 Student Clock Write and Wipe : Encourage class to participation with write-on/wipe-off clock. This set of 5 clocks is Great for small-group activities. clocks with movable hands and a place to write in digital time. per set Rs. 575.00



ML105 Number Fins : It acts like flash cards with multiple option to interact mathematically. Set of 2 fins with numbers. set Rs. 375.00

Quality and variety are hallmark of our products.

# MATHS SECTION



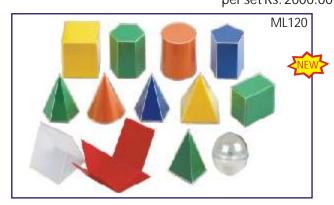
ML106 Hook n Look Numerical Balance : Promotes student to do activity on his own and explore the concept of addition by touching the number.

per set Rs. 325.00

ML107 Dish balance with Weighted Number & Weights : This durable plastic junior-size balance lets students measure and compare number. Two plastic pans allow students to measure weights. per set Rs. 625.00



ML112 Number Planet: This scale includes different color beads that visually demonstrate number relationships and operations such as addition, subtraction, and comparisons. Set includes scale, plastic bear weights of different weight and color. per set Rs. 2000.00



ML120 Folding Geo Solid: This resource allows children to connect 3D solid with its 2D representation, and to deduce formulae for surface areas and volumes. It includes coloured folding shapes and transperent plastic shapes. per set Rs. 560.00

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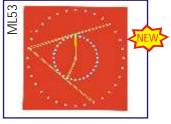
ML121A 3D solids set 5 cm: Set of 12 pcs. Made of transparent plastic with removable lid. Ideal for volume concepts. per set Rs. 550.00 ML121B 3D solid set 5cm: Set of 12 pcs. Made of opaque

plastic coloured with lid. per set Rs. 600.00

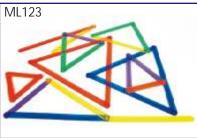


ML122A 3D Solids Set 10 cm Transparent : Set of 12 pcs. made of plastic with removable lid. Each shape has a 10cm dimension. set Rs. 1600.00 ML122B 3D Solids Set 10 cm : Coloured set of 12 pcs. made of plastic with removable lid. set Rs. 1800.00





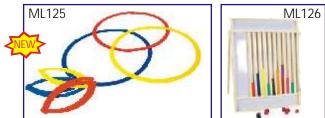
- ML52 Mensuration Cube : It is used to extend the concept of surface area and volume of soilds into a cube. The learner can also explore the concept that increase/decrease in the volume of a soild may not result the same change in its surface area. Rs. 220.00
- ML53 Tangent Geoboard : This geoboard is used to investigate the concepts related to circles and tangents with the help of rubber bands. Rs. 700.00



ML123 Geo Geometry Stick : Geo Geometry Stick's is easily snap together to motivate students to explore plane geometry on their desktop or the overhead projector. set Rs. 750.00

# ML124

ML124 Vertex Wonder: This rods and ball set shows the concepts such as Symmetry, Space, Shapes and Construction. It helps children to analyze the difference between Pyramid and Prism in point, line and side. Set consist 330 pieces of vertex and rods. set Rs. 1475.00



- ML125 Sorting Ring : These plastic foldable circle rings can be used in different ways from elementry to higher secondary for grouping, set theory and venn diagram demonstration. Set of 6 rings. Rs. 560.00 MI 126 Data collection board with data cubes:
- IVIL 126 Data collection board with data cubes: set Rs. 2550.00

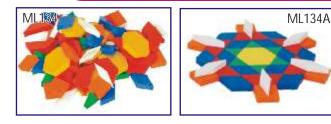


ML127 1 cm Unit Cubes: Perfect for counting, measuring & patterning. Set of 1000 Pcs. in 10 color.



- ML131 Phases Fraction (48 Pcs.) : Useful to learn fraction, percentage, decimals, area, perimeter of different shapes and their relation. set Rs. 315.00
- ML133 Pentominoes : A puzzle game consisting of five identical squares connected by their sides. Players must rotate the shapes and fit them into a grid so the shapes interlock and the finished grid has no empty spaces. Set of 60 Pcs. set Rs. 485.00

# MATHS SECTION



- ML134 Pattern Blocks set of 250 pcs. : Made of plastic set Rs. 675.00 ML134A Pattern Blocks made of EVA Foam 10mm thick :
- Use this set of 250 blocks, in six shapes and six colors, to explore patterns, symmetry, linear and area measurement, fractions and problem solving. set Rs. 600.00

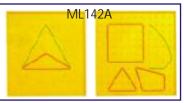


ML138 Symmetry Kit : The symmetry kit stimulates the child's imagination and allow them to explore symmetry and reflection with their creative designs. They will also want to look through the mirrors and see their own multi image reflection.

set Rs. 1375.00



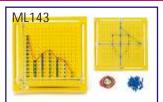
- ML135A Counters : Allow for sorting, patterning, color recognition, counting and operations activity Measure 30 mm in Diameter, 2.5mm thick Set of 500 Pcs. in 5 color. Rs. 665.00
- ML141 Flip N Fraction Geoboard with Circle Cuts: It can be used both the sides. It has square grid pegs on one side and circular pegs on other side. set Rs. 775.00



ML142A Geoboard Double Sided : The Geoboard is primarily used in the exploration and recognition of shapes, designs, spatial relationships. It has 11 x 11 pegs grid at one side and circular pegs on another side. each Rs. 120.00

Quality and variety are hallmark of our products.

# MATHS SECTION



ML143 X Y axis Co-ordinate Geoboard: This pegboard has a sliding X and Y axis coloured of pegs. The pegs can be used to graph points in one or all four quadrants, and show geometric translations, rotations, reflections, data in bar or line graphs. Measure 25 x 25 cm. each Rs. 625.00



- ML201 Magnetic Counters : Provided with soft magnetic backing, easy to use on magnetic board. Set of 48 counters in two color. Rs. 275.00
- ML202 Color Counters Dia 30 mm : 2 color counters allow for Integer, patterning, color concept, counting activity. It measures 30 mm in Diameter. 2mm Thick. Set of 500 in 2 color. Rs. 645.00

ML202A Same as above set of 100 in 2 color. Rs. 180.00



ML203 Counters Dia 30mm: Virgin plastic counter allow for sorting, patterning, color recognition & counting activity Set of 250 in 5 color. Rs. 350.00
ML203A same as above set of 125 in 5 color. Rs. 175.00
ML204 Stacking Counters : Packed in a clear container. Size 20mm dia made up of plastic available in 5 colors. Set of 250 in 5 color. Rs. 750.00

ML204A Same as above Set of 125 in 5 color. Rs. 395.00



ML205 Colour Tiles: Packed in a clear container, size 25 X.2 cm. thick plastic tiles in five colors. Set of 500 Tiles in 5 color Rs. 665.00 ML205A Same as above Set of 250 Tiles in 5 color Rs. 350.00 ML206 Number Mat.: Number Mat is fast and a crazy quiz game. Kids listen the equation from teacher, do the math, and then step on the right answer.

each Rs. 380.00



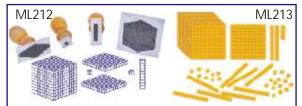
- ML207 2D Shape : 2-D shapes are a vital math topic for learners. Exciting hands-on activities addressing shape names & properties. set Rs. 60.00
- ML208 Attribute Blocks : Attribute blocks sets include red, yellow and blue circles, hexagons, rectangles, squares and triangles. set Rs. 200.00



ML209 Decimal Abacus : This wooden base abacus with measure 15 cm x 4 cm, thickness 18 mm having 7 holes with 7 spikes of 4 mm thick metal, provided with 70 beads of 7 colors. each Rs. 185.00
ML209A Frame abacus (wooden) with 100 beads : Abacus with 10 wires and 10 different color beads in each wire. It is a "calculator" that teaches math skills, pattern and color recognition. each Rs. 425.00



- ML210 Circle Kit : It is provided with set of three circular disk having different radius. each Rs. 110.00
- ML211 Base Ten Set Group Activity : Set supplies for class of 20–25 students with 400 individual units, 80 rods, 40 flats, 4 Thousand cubes. set Rs. 2200.00



- ML212 Base Ten Stamp Set : Rubber stamp is replicas of Base 10 blocks. Includes one unit, one rod, one flat, and one cube stamp. set Rs. 220.00
- ML213 Magnetic Base Ten Block : It includes 100 single units, ten 10-unit rods, ten 100 unit squares and one 2-dimensional graphic of a 1000-unit cube. The magnetized foam pieces are easy to grip and place on magnetic boards. set Rs. 485.00

# MATHS SECTION



- ML214 Time & Work Kit : Assorted colored right angle triangles with stop watch. It helps to calculate work done in same time by diff. groups. set Rs. 450.00
- ML215 Palm Clock : This palm size clock helps students to focus on time-telling skill and makes it easier to differentiate between hours and minutes. Student can move clock arms manually. each Rs. 60.00



- ML216 Trigonometry Boards : Trigonometric Board helps to understand functions related to the sides and interior angles of a triangle. The "sine" is the ratio of the side opposite one of the non-90-degree angles to the triangle's hypotenuse; the "cosine" is the ratio of the other side to the hypotenuse; and the "tangent" is the ratio of the triangle's two nonhypotenuse sides. each Rs. 875.00
- ML217 Factorization Tiles : Set of 70 opaque plastic tiles in 2 colors and 3 shapes. set Rs. 185.00



- ML218 Volume Relationship Set : To teach volume relationship between different 3D solids. Consists of 5 3D figures in size 10 cm. set Rs. 375.00
- ML219 Isometric Geoboard : It allows to create 3D figures, pattern block activities etc. Size 20cm x 20cm. Number of pegs-105. each Rs. 400.00



- ML220 Circular Geoboard : It has equally spaced pegs arranged on circumference of two different circles and one peg at the center. Size 20cm x 20cm. Number of pegs-25. each Rs. 400.00
- ML221 Multipurpose Geo Sticks : Transparent plastic strips with measure 260mm x 20mm having different slots & holes to make different angle & shapes. Set of 4 diff. types of strips. Set Rs. 480.00

a<sup>2</sup> ab ab b<sup>2</sup>

ML222 Student's Algebra Identity Kit: (a+b)<sup>2</sup>, (a-b)<sup>2</sup>, a<sup>2</sup>-b<sup>2</sup> Measure 15 x 15 cm. Rs. 250.00



ML223 Algebra Kit (foam) : Algebra can be taught more efficiently with the use of algebra tiles. Algebra tiles are square and rectangular tiles that visually represent the parts of an algebraic equation.

set Rs. 200.00



ML224 Cubic Identities (a+b)<sup>3</sup>: This is a demonstration model of (a+b)<sup>3</sup>. Made up of plastic easy to show the complex identity by detachable set of 8 pieces.

set Rs. 690.00

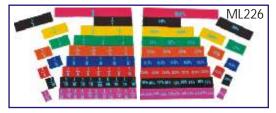
ML225 Algebra Tiles : These come in the shapes of squares and rectangles. Using algebra tiles in teaching polynomials allows students to practice working with polynomials with a hands-on approach. Algebra tiles come with three types of tiles in two colors each, typically red for negative tiles and blue for positive tiles. set Rs. 185.00



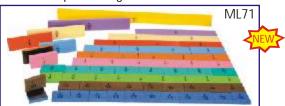
ML225A Algebra Tiles Magnetic : Magnetic algebra tiles is used by the teachers to explore the concepts on magnetic board in a classroom such as factorising polynomials, solving linear equations, concepts of integers etc. These algebra tils come in the shapes of square and rectangles. Algebra tiles come with three types of tiles in two colours Red & Blue each, typically red for negative tiles and blue for positive tiles. set Rs. 700.00

Better equipment will give long lasting service.

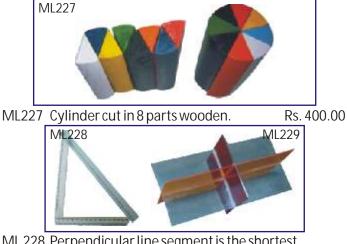
# MATHS SECTION



ML226 Fraction Bar : Fraction Bar Set is Colorful, These Fraction Bars come in a plastic tray. The total of 51 solid plastic tiles represent a whole, halves, thirds, fourths, fifths, sixths, eighths, tenths, and twelfths. Fractional values appear on the front of the tiles and there percentage at back side. set Rs.450.00



ML71 Fraction Bar Magnetic : A perfect tool for classroom demonstration. The large size magnetic fraction bars make it easy for a teacher to demonstrate different conceptual activities and generalize the results. These are the fun way to teach the meaning of fraction, explore equivalence, comparison, and different operations. set Rs. 480.00



ML 228 Perpendicular line segment is the shortest.

Rs. 275.00 ML 229 Octant 3-D Rs. 400.00



ML81 Vector as Linear Combination of vector : It is very versatile tool made from clear acrylic for study of vector. Student can understand the cross and dot properties of vectors. set Rs.750.00



- ML230 Working model of Pythagorus theorem (wooden) (rotatable). Rs. 1200.00
- ML231 Magnetic Number : EVA Foam. Rs. 160.00

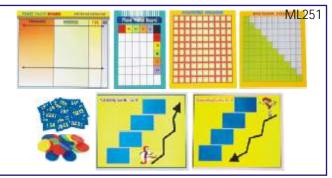


ML232 Magnetic Alphabet Upper Case : EVA Rs. 350.00 ML233 Magnetic Alphabet Lower Case : EVA Rs. 350.00



ML234 Playing Card ML235 Dice Superior : Set of 6. ML236 Dice Plastic : Set of 4 pcs.

per set Rs. 75.00 per set Rs.65.00 perset Rs.35.00



- ML251 Board Games consisting of :
- Place Value Board: addition & subtraction, а. size 28 x 22 cm.
- b. Place Value Board: Multiplication. size 20 x 28cm.
- Division Board: size 27 x 27 cm. C.
- Factor Board: size 27 x 27 cm. d.
- Ascending Card Game: size 29 x 25 cm. e.
- Descending Card Game: size 29 x 25 cm. f.
- Number Cards: Set of 25 Cards. g.
- h. Tiles. Price per set Rs. 1200.00 (For some activities Base Ten Blocks can be used, available separately)



ML252 Co-ordinate Board Game. Price Rs. 400.00 ML253 Integer Board Game : An interesting board game with dice and counters (available separately) to understand the concept of addition and subtraction of integer numbers. Rs. 400.00





ML254 Graph Board Game Rs. 220.00 ML255 Place Value Game with Counters : Set includes place value mats & place value cards. Stacking counters snap together & can be stacked in place to determine the place value. Rs. 580.00



- ML301 Conic Section with Standard Equation : Used to understand the concept of standard equation of Parabola, Hyperbola, Ellipse & Circle. This can be determined using X-Y coordinate geoboard and cutouts of conic section. Understand the concept of focus, directrics, latus-rectum major and minor axis of Ellipse. Set contains 4 X-Y coordinate geoboards, one wooden conic section model, 4 sets of cutout of conic section in plastic, rubberbands, pegs & user manuals. Rs. 4950.00
- ML302 Set Theory By Venn Diagram : It is used for understanding the concept of subset of a set, disjoint set, union, intersection, complements, power set & set difference by Venn Diagram. Set contains 8 pcs. of set activity models in plastic in 4 colors, 3 sorting rings with 10 numbers from 0 to 9. Eight student activity card in eight colors with good quality paper. How to use Manuals. Rs. 3500.00

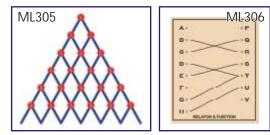
### A vivid display will go down deep in memory.

# MATHS SECTION

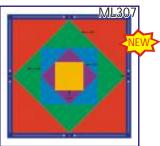




- ML303. Probability Kit : Used to understand the concept of sample space, event space, dependent event, independent event, mutually exclusive event, random probability etc. Set contains one wooden probability board, 1 Spinner, 4 color dice, 20 coins, playing card, 4 boxes of marbles in 4 colors. How to use Manuals. Rs. 4000.00
- ML304. Arithmetic Progression (Magnetic tiles) : Used for understanding the concept of first term, common difference, nth terms, and arithmetic progression series and also calculates the sum of arithmetic progression Set contains 50 pieces of magnetic rectangular foam tiles and 50 pieces of magnetic square foam tiles. All activity can be performed by student with the help of these foam tiles without board. Rs. 1150.00



- ML305. Pascal Triangle Kit : Used to determine the coefficient of different terms of a binomial expansion. Set contains 51 Magnetic sticks and 21 magnetic counter with manual. Rs. 2100.00
- ML306. Relation and Function : Understand the concept of range, domain, co domain, relation and different type of function like one-one mapping, many one mapping and onto mapping. Set contains one digital board with high quality low volt switches. How to use Manuals. Rs. 1600.00



ML307. Geometrical Progression Kit : It is used for understanding the concept of first term, common difference, nth terms and geometric progression series. All activity can be perfonmed by student with the help of these foam tiles and "How to use manual" on magnetic board. Rs. 500.00 (Magnetic board not included)

# MATHS SECTION

# MATHEMATICAL AND DRAWING INSTRUMENTS



Black Board Geometrical Instruments Box : containing pair of set squares, protractor, compass, divider, scale & duster. made of plastic DI02 Extra Superior Quality each Rs. 575.00

DI03 Superior Quality Wooden each Rs. 825.00

ZX-8101 Jumbo Geometry Box : Consisting of one meter scale (2 Parts), one Pointer (2 parts), one set of set square, one protector and one compass. Made of very good plastic. Ideal for working on any board. set Rs. 3500.00

each Rs. 150.00

DI04W Compass Wooden **DI04P Compass Plastic** each Rs. 80.00

DI05 Drawing Instruments Box: Containing one half-set compass 15 cm, One Divider 15 cm, Pen and Pencil Point, Ink Point, Lengthening Bar, Compass, Divider, Ink compass, Rotring type attachment, Bow Pen, Handle for hand work, Lead case and tightening each Rs. 550.00 key/screw driver. Set Squares: Transparent Plastic 3 mm thick Bevelled edges DI06 size 20 × 25 cm per pair Rs. 75.00 DI07 size  $25 \times 30$  cm per pair Rs. 90.00 Foot Rulers Plastic : DI08 size 12" (30 cm) each Rs. 20.00 DI09 size 24" (60 cm) each Rs. 45.00 DI10 size 40" (100 cm) each Rs. 250.00 Pantagraph : For enlarging or reducing diagrams, in wooden box DI11 size 60 cm each Rs. 2200.00

each Rs. 2500.00

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DI15	set of 24 curves	Rs. 600.00
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DI17	Pencil Compass	Rs. 60.00
DI18	Ink Compass	Rs. 65.00



DI19 Map measurer-Rotameter : Double Sided

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DI20	Beam Compass 30 cm with scale	each Rs. 600.00
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DI25	Plastic Protractors Circular 15 cm	Rs. 25.00
DI27	Spring Divider 95 mm	Rs. 60.00
DI28	Spring Pencil Compass 95 mm	Rs. 60.00
DI29	Spring Ink Compass 95mm	Rs. 60.00
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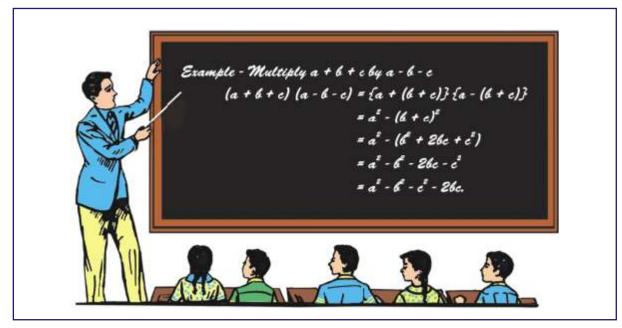
FM08 Lagrange FM09 Laplace FM10 Leibniz FM11 Lady Lovelace FM12 Issac Newton FM13 Pascal FM14 Pythagoras

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# ENTIRELY A NEW CONCEPT IN LAMINATION

These replace glass blackboards. Most durable, smooth & hard surface. These are unbreakable. Complete with metal frame and hooks for hanging. Please indicate the shade preferred (Black or Green).

Sizeincm 80 × 60 cm 120 × 80 cm 160×120cm 240×120 cm Size in inches 32"×24" 48" × 32" 64" × 48" 96" × 48"

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Price with frame Rs. 1500.00 Rs. 2750.00 Rs. 4750.00 Rs. 7000.00

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DS05 90 cm	Rs. 160.00
DS06 120 cm	Rs. 190.00
DS07 Chalk Holder	each Rs. 140.00
DS09 Black Board Duster wooden superior	each Rs. 30.00
DS10 Deluxe quality made of plastic	each Rs. 13.00
DS11 Chalk white Box of 50	each Rs. 15.00
DS12 Chalk coloured Box of 50	each Rs. 30.00

ZX-8101 Jumbo Geometry Box : Consisting of one meter scale (2 Parts), one Pointer (2 parts), one set of set square, one protector and one compass. Made of very good plastic. Ideal for working on any board.

set Rs. 3500.00

Black Board Geometrical Instruments Box : containing pair of set squares, protractor, compass, divider, scale & duster. made of plastic

DI02 Extra Superior Quality Plastic each Rs. 575.00 DI03 Superior Quality Wooden each Rs. 825.00 DI04W Compass Wooden each Rs. 150.00 DI04P Compass Plastic each Rs. 80.00

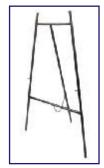
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DS51 Black Board Stand Small For Boards upto 90 × 60 cm each Rs. 800.00 DS52 Black Board Stand Medium For Boards up to 120 × 90 cm as illustrated DS53 Black Board Stand Large For Boards up to 160 × 120 cm DS54 Accessories Tray for Boards DS55 Powder Coated Collapsible Easle

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90 × 60		WB03	Rs. 1500.00
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WBM Marker Pen - Red, Blue, Black, Green set of 4.....Set Rs. 140.00 WB21 Duster for White Board Superior .....each Rs. 35.00

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A versatile system of displaying typed or handwritten notices with the help of drawing pins. The system is oriental but with a very modern and elegant look covered with Blazer Cloth and framed with aluminium angle. Available colours are green, blue or maroon. It is available in following convenient sizes :

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120 × 80		NB02RF Rs. 3100.00	NB02HF Rs. 3475.00
160 × 120	64" × 48"	NB03RF Rs. 5375.00	NB03HF Rs. 5850.00
240 × 120	96" × 48"	NB04RF Rs. 7475.00	NB04HF Rs. 8300.00



# GOLDSIGN™ VELVET DISPLAY BOARDS

(HxW)

Size (in cm)

91×61 cm

122×61 cm

122×91 cm

	Size (in cm)
	(HxW)
GSB01	30×15 cm
GSB02	45×30 cm
GSB03	61×45 cm
GSB04	61×61 cm

GSB26 Letters/Figures GSB27 Letters/Figures GSB28 Letters/Figures

Price per Board	
Rs. 640.00 GS Rs. 1240.00 GS	B06 B07 B08

size

size

size

12 mm (1/2)25mm (1<sup>\*</sup>)  $37 \text{mm} (1^{1}/_{2})$ 

**MAP STANDS** 

Price per Board Rs. 3400.00 Rs. 4400.00 Rs. 5950.00



Rs. 2.50 each Rs. 3.50 each Rs. 5.50 each



### MAP STORAGE STAND

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Rs.

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Rs. 1800.00 DS102 For keeping 36 maps made of Iron painted.

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DS103 The map hangs on the stand nearest to the students; it is easy for the teacher also to emphasise on a point. All folding sturdily built of iron pipes. Height Adustable. Very convenient to carry from one class to another. Painted.

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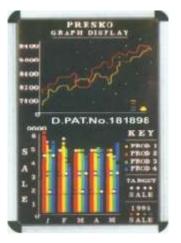
# **DISPLAY SYSTEM**

# PRESKOGRAPH AIDS & INTERCHANGEABLE BOARDS

It is a unique and effective system of interchangeable letters & figures and graph symbols with which any kind of information can be displayed in an elegent way by joint pressing the letters and figures and graph symbols in the closed perforated back ground. The same can be changed at your will.

### It is ideal for instantaneous layout planning & the first hand Knowledge of coming events. These are must for institutions & offices.

Size of Panel with Frame		Total No. of Letters & Figures		Price wit	<u>h frame</u>		1
in cm	in inches	in each set		letters	with	out letters	
61x30	24 × 12	305	PB03WL	1375.00	PB03	950.00	
61x45	24 × 18	410	PB04WL	1925.00	PB04	1325.00	
91x61	36 × 24	750	PB05WL	3900.00	PB05	2700.00	
122x91	48 × 36	1050	PB08WL	5950.00	PB08	4325.00	
152x122	60 × 48	1350	PB12WL	9400.00	PB12	7200.00	
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### Extra letters and figures can also be had

PB26 1/2" size	per 100	Rs. 140.00	PB33 Roman Type 1 ½"	per 100	Rs. 290.00
PB27 <sup>3</sup> / <sub>4</sub> " size	per 100	Rs. 150.00	PB34 Comma/ Full stop	per 100	Rs. 120.00
PB28 1" size	per 100	Rs. 170.00	PB38 Line Divider 6" long	Per 100	Rs. 360.00
PB29 1 1/2" size	per 100	Rs. 240.00	PB40 Direction Pointer	Per 100	Rs. 1450.00
PB30 2" size	per 100	Rs. 400.00	PB41 Sleek Pointers	Per 100	Rs. 160.00
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# Political-cum-Physical Globe Available in 2 sizes: 30 cm dia and 25 cm dia. Fitted on a moulded, black coloured base & smoked semi-meridian. Salient Features: • Illuminated. • Unlit position shows Physical features. • Lit position shows Political features. • Two sizes: Item Code IG01 Copenhagen Blue Globe 30 cm dia Price Rs. 4000.00 Price Rs. 3000.00

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price per slide Rs. 12.00

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# VISUAL TEACHING AIDS

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- OT51 Transparencies on Mathematics set of 50 process coloured

price per set Rs. 675.00 per set Rs. 3450.00



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Code	Title Time (in	mins.)	Code	Title Time (in mi	ns.)
E15	Adding & Subtracting, Adding Fractions Numbers - Little Numbers.	, Big 55	E58	Dividing Fraction, Multiplying Fractions, Idea of Numbers.	46
E16	Modern Mathematics - Number Line, Formu in Maths, Modumath, More or less, Thinking		E59	Relating Sets to numbers, Geometry Points & Angles, Congruent Triangles, Algebra: An	
E17	Sets. Sets Crows & Infinity, Modern Maths Sets,	59	E60	Introduction, metric System Geometry Some Quadrilaterals, mean,	51
	Subtracting Fractions.	42	LUU	median & Mode, Triangles Sides & Angles.	35
			E95	Fractions-Decimals-Percentages-Money Matters-Ratio-Directed Numbers	50
(			E96	Statistical-Diagrams-Averages-Cumulative	50
			E97	Frequency Probability, Matrices & Vectors Equations, Factorising Quadratis,	57 42
			E98	Numbers & Fractions: Rounding, Significant	72
E18	Measuring Mass, Dynamic of the Circle, Geo	motric		Figures, Scientific Notations, Exponents, Factors Arithmetic Operations, Quotients, Percentages,	
LIO	Vectors, Volume of Pyramids, Cones & Spher			Proporations, Profit/Loss Calculations, Ratios.	65
E19	Journey to the Centre of a Triangle, Locus,	45	E99	Geometry: Angles, Triangles, Quadrilaterals,	ГO
E20	Possibly so pythogoras, Similar Triangles. Aspects of Symmetry, Linear measurement	45	E100	Circles, Tangents. Co-ordinate Geometry: Functions, Quadratic	59
F01	(Length, Area & Volume).	51		Equations Inequalities. Area & Volume, triangles	S,
E21	Circle Circus, Similar Triangles In use, Surface Areas of Solids - I & II, Symmetries of the Cu			Cubes, Cylinders, Statistics: Mean, Median, Mode, Interpolation, Extrapolation	71
E56	Factors & Primes, Intersection of Sets.	45	E101	Trigonometry: Bearings, Sine Rule, Cosine Rule,	
E57	Arithmatic Series Part - I & Part - II	45	F100	Area Formula	66
	Vic	leo CD		Surds, Indices	57
	Any one C			00.00 Each	
Code	Title		Time (in		
E44	Circus, Francine, George & the Ferryboat, Le		•	Zog is a spocemon	
	Alone, Lickety Split Licorice.			39 He came in his spaceship	3
E45	The Clown Said No, Conrad Josie & The Zoon Little Red Riding Hood.	nerang,		37 to see us one day	
E46	The Ball that wanted to Play, Hansel & Grete	l The Litt	le Car	36 But when he heard footsteps	
E47	The Dragon Stew, Julius: The Adventures of a			into the bushes.	
F100	The Story of King Midas.			34	
E102	Speaking & Listening The Basics Reading with Writing to communicate ideas, Spelling-the B				
	together		itting it	57	





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UM303	Solids and Their Nets
UM304	Coordinate Geometry
UM305	Transformation Geometry
UM401	Trigonometry
UM402	Trigonometric Ratios and Values
UM403	Trigonometric Identities
UM404	Graph of Trigonometric Functions
UM501	Data Handling
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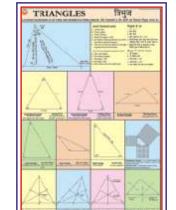




# MATHEMATICS CHARTS

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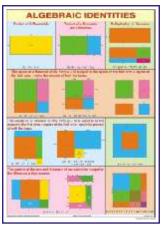


MKS06A Mensuration Chart

- MKS06B Graph Chart Laminated
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MKS06D Chart of Math symbol

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### Size 50 x 75 cm LAMINATED

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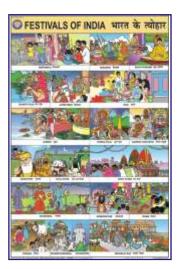


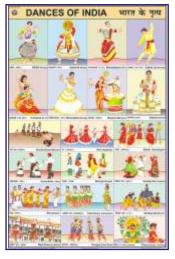
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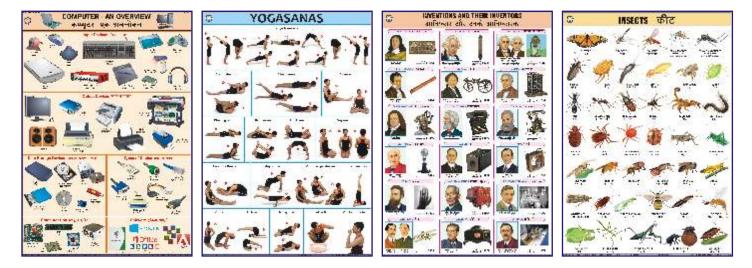






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