## MATHEMATICS



## ITEM DESCRIPTION

| MK 01 | JUNIOR MATHEMATIC KIT <br> Comprises of Below 20 Different Products. Packed in Single C.B Box (With Manual) |
| :--- | :--- |
| MK 01/1 | Dummy Clock For Teaching Reading Of Time On A Clock. |
| MK 01/2 | Designer Fraction: Set of 72 Triangles In 3 Colours. |
| MK 01/3 | Place Value To Determine The Place Value Of Numbers. |
| MK 01/4 | Magnetic Fraction Disc - To Explain of Fraction, numerator \& Denominator, Equivalent, Subtraction, <br> Multiplication, Division. |
| MK 01/5 | Plastic Moulds Geometrical Shapes Set Of 12 With Clay. |
| MK 01/6 | Junior Pythagorus Theoram. |
| MK 01/7 | MAGNETIC ALPHABETS LOWER CASE - Made of EVA Foam fitted with magnets. |
| MK 01/8 | Charts for Arithmatic size 50 $\times 75$ cm (Set of 7) - Names of Charts: English Numerical, Division, Addition, <br> Multiplication Table, Subtraction, Roman Numerical, Multiplication. <br> NOTE: Our Mathematic Kit are Provided with Complete Literature / Manual for All the Above Experiments that <br> MK 01/9 |
| Roman Number Kit - To Teach Roman Number With The Help Of Roman Numerical Printed Tiles. |  |
| MK 01/10 | Geo Board (Acrylic). |
| MK 01/11 | Sit \& Set - A Puzzle To Understand Shapes, Size, Combination of Different Flat Figures. |
| MK 01/12 | Inter Locking Cubes: Set of 128 Cubes. |
| MK 01/13 | Dummy Cheque Book \& Pay-in Slip. |
| MK 01/14 | Dummy Currency Note. |
| MK 01/15 | Shapes (Set of 12 figures) Wooden. |
| MK 01/16 | Dices - Explains The Concept of Probability \& To Explain Numerical \& Roman Number. |
| MK 01/17 | Set Of Cups To Explain Volume. |
| MK 01/18 | Skip Counting Board. |
| MK 01/19 | Abacus. |
| 01/20 | Derivation Of Pie. |

## ITEM DESCRIPTION

| MK 02 | SENIOR MATHEMATIC KIT <br> Comprises of Below 21 Different Products. Packed in Single C.B Box (With Manual) |
| :---: | :---: |
| MK 02/1 | Cusinaire Kit |
| MK 02/2 | Pattern of Triangle (Triangles of Different Colours) |
| MK 02/3 | Power 2 (To understand the concept of square number) - By using the same article student can also learn cartisian coordinates |
| MK 02/4 | Tangram (Chinese Puzzle) |
| MK 02/5 | Algebra Identity (Set of 2) |
| MK 02/6 | BOARD GAMES Consisting of: (1) Place Value Board: addition and subtraction, size $28 \times 22 \mathrm{~cm}$, (2) Place Value Board - Multiplication, size $20 \times 28 \mathrm{~cm}$, (3) Division Board: size $27 \times 27 \mathrm{~cm}$, (4) Factor Board size $27 \times 27 \mathrm{~cm}$, (5) Ascending Card Game: size $29 \times 25 \mathrm{~cm}$, (6) Descending Card Game: size $29 \times 25 \mathrm{~cm}$, (7) Number Cards: Set of 25 Cards, (8) Tiles. |
| MK 02/7 | Ring of Theoram - Used for circle related theorems, angle in semi circle, angle in segment, center angle properties. |
| MK 02/8 | Hollow Sphere |
| MK 02/9 | Angle Sum Property of Triangle - Magnetic Triangle with its angles cutout to demonstrate angle sum property of a Triangle |
| MK 02/10 | Angle Sum Property of Quadrilateral |
| MK 02/11 | Exterior Angle of Regular Polygon |
| MK 02/12 | Construction of Parabola - To teach an equality marked points of division are joined together to construct Parabola |
| MK 02/13 | Triangle Kit - To teach congruency of Triangle, classification by their angles \& side |
| MK 02/14 | Pythagoras Theoram (Practical Game a2+b2=c2) |
| MK 02/15 | Cylinder Hollow |
| MK 02/16 | Geometry Kit - It helps to make all kinds of quadrilateral, polygons by arranging multipurpose strips. |
| MK 02/17 | Metric Wheel - By knowing the circumference, student can calculate the length of any distance. |
| MK 02/18 | Magnifying Measure To teach Metric conversions of inches, cm \& mm |
| MK 02/19 | Geometrical Stencil Plane figures of 10 different shapes |
| MK 02/20 | Perpendicular Line Segment Is The Shortest |
| MK 02/21 | Clinometer Compass |
| NOTE: Our Mathematic Kit are Provided with Complete Literature / Manual for All the Above Experiments that can be Performed in the Math Lab. |  |


| SL. NO. | ITEM DESCRIPTION |
| :---: | :---: |
| MM 01 | Charts On Synthetic Paper 70×100cm (Any one Chart) |
|  | A. Mensuration D. Graph Chart Laminated |
|  | C. Math symbol E. Algebra identities |
|  | C. Shapes \& Figures (Description of Figures with their angles \& construction) |
| MM 02 | CUBES OF ALGEBRA (SIZE 2 CM) SET OF 128 |
|  | CHARTS FOR UPPER PRIMARY (Any one Chart) 50x75cm |
| MM 03 | Number system, Quadrilateral, Algebra-definitions \& formulae, Circle, Addition of rational numbers, Congruent Triangles, Multiplication of rational numbers, Properties of Circles, Some Geometrical concepts, Mensuration I, Mensuration - II, Angles, Pair of Angles, Profit \& Loss, Triangles. |
| MM 04 | ANGLE IN A CIRCLE \& ITS PART |
| MM 05 | TRANSPARENT ACRYLIC FIGURES: Cube, Cuboid, Cone, Cylinder and 2 Hemispheres Set |
| MM 06 | 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. |
| MM 07 | VOLUME RELATION BETWEEN CONE \& CYLINDER |
| MM 08 | COMBINATION OF CUBE \& SPHERE (Transparent) |
| MM 09 | ANGLE PROPERTY OF CYCLIC QUADRILATERAL |
| MM 10 | BASE AND PLACE VALUE KIT: Explains the idea of base value and place value and to demonstrate volume of centimeter cube. |
| MM 11 | FRACTION SQUARE |
| MM 12 | DECIMAL PLATE (Set of 4): To show the process of multiplication of decimals with help of square or rectangular grid plate. |
| MM 13 | NUMBER WITH PLATE: This is an interesting activity to teach digit arrangement and their place value. |
| MM 14 | PYTHAGORUS THEOREM Proved By Using Reverse Method |
| MM 15 | PYTHAGORUS THEOREM (SMALL SQUARE) |
| MM 16 | INTEGER NUMBER LINE BAR |
| MM 17 | POLYHEDRON AND THEIR NET: To understand different solid shapes and idea of faces, edges \& vertices. |
| MM 18 | FRACTION WHEEL EVA FOAM |
| MM 19 | FRACTION WHEEL EVA FOAM MAGNETIC |
| MM 20 | FORMATION OF TETRAHEDRON |
| MM 21 | LINKING CUBES (CLASSROOM PACK): 2 cm interlinking cubes set of 625 pcs. in five colours, packed in a storage bag. |
| MM 22 | INTEGER TILES: Set of 100 tiles used for understanding addition and subtraction of integers Made of Plastic |
| MM 23 | PARALLELOGRAM KIT (MAGNETIC): Set of 6 parallelograms used to demonstrate various properties. Made of plastic. |


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| MM 24 | Working Model Of Pythagorus Theorem (Acrylic) |
| MM 25 | PATTERN BLOCKS (Multi Pack): containing Hexagons trapezoids, Rhombus, Triangles, Diamonds \& Squares in assorted colours \& quantities set of 864 pcs. |
| MM 26 | Pattern Blocks (Student Pack): same as above but set of 144 pcs |
| MM 27 | PAPER NETS OF SOLID SHAPES: Set of $7 \times 2$ |
| MM 28 | DUMMY COINS (Set of 60 pcs ) |
| MM 29 | JUMBO BEADS (Set of 100 pcs ) |
| MM 30 | BEADS WITH STRING (Set of 100 pcs ) |
| MM 31 | GEARED TEACHER CLOCK (Plastic): Hidden gears maintain correct hour and minute relationships as you manipulate movable hands. |
| MM 32 | STUDENT CLOCK WRITE AND WIPE: Encourage class to participation with write-on/wipe-off clock. This set of 5 clocks is Great f or small-group activities. clocks with movable hands and a place to write in digital time. |
| MM 33 | HOOK N LOOK NUMERICAL BALANCE: Promotes student to do activity on his own and explore the concept of addition by touching the number. |
| MM 34 | 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. |
| MM 35 | NUMBER PLANET: This scale includes different color beads that visually demonstrate number relationships \& operations such as addition, subtraction \& comparisons. Set includes scale, plastic bear weights of different weight \& color. |
| MM 36 | 3D SOLID SET (Set of 12) $\mathbf{5 c m}$ : Made of Transparent Plastic With Removable Lid. Each Shape Has A 5 cm Dimension |
| MM 37 | 3D SOLID SET (Set of 12) $\mathbf{1 0} \mathbf{~ c m}$ : Made of Transparent Plastic. Includes Cone, Sphere, Hemisphere, Cube, Cylinder, Rectangular Prism, Hexagonal Prism, Triangular Prism And Square Pyramid Etc. With Removable Lid |
| MM 38 | GEO GEOMETRY STICK: Geo Geometry Stick's can easily snap together to motivate students to explore plane g eometry on their desktop or the overhead projector. |
| MM 39 | VERTEX WONDER (330 Pieces of Vertex \& Rods): This rods \& ball set shows the concepts such as Symmetry, Space, Shapes \& C onstruction. It helps children to analyze the difference between Pyramid and Prism in point, line \& side. |
| MM 40 | DATA COLLECTION BOARD WITH DATA CUBES |
| MM 41 | PHASES FRACTION (48 Pcs.): Explains fraction, percentage, decimals, area, perimeter of different shapes \& their relation. |
| MM 42 | PENTOMINOES (Set of 60 Pcs.): A puzzle game consisting of five identical squares connected by their sides. Players must rotate the shapes \& fit them into a grid so the shapes interlock \& the finished grid has no empty spaces. |


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| MM 43 | PATTERN BLOCKS ( $\mathbf{1 0 m m}$ Thick): Use this set of 250 blocks, in six shapes \& six colors, to explore patterns, symmetry, linear \& area measurement, fractions \& problem solving. Made of EVA Foam. |
| MM 44 | COUNTERS (Set of 500 Pcs. in $\mathbf{5}$ color): Used for sorting, patterning, color recognition, counting \& operations activity. Dia. $28 \mathrm{~mm} / 5 \mathrm{~mm}$ thick. |
| MM 45 | Flip N Fraction Geoboard With Circle Cuts: It can be used both sides. It has square grid pegs on one side and circular pegs on other side. |
| MM 46 | X Y Axis Co-ordinate Geoboard (Measure's $\mathbf{2 5 \times 2 5} \mathbf{c m}$ ): This pegboard has a sliding $X$ and $Y$ axis with blue colors of pegs. The pegs can be used to graph points in one or all four quadrants $\&$ show geometric translations, rotations, reflections, data in bar or line graphs. |
| MM 47 | MAGNETIC COUNTERS (Set of 48 counters in two color) |
| MM 48 | COLOR COUNTERS, Set of $\mathbf{5 0 0}$ (Dia $\mathbf{3 0} \mathbf{~ m m}$ ): 2 color counters Used for Integer, patterning, color concept, counting activity. 2 mm Thick Counters. |
| MM 49 | Same as above (Set of 100) in 2 color |
| MM 50 | COUNTERS Dia 30mm (Set of 250 in 5 color) |
| MM 51 | Counters Dia 30mm (Set of 125 in 5 color) |
| MM 52 | STACKING COUNTERS (Set of 250): Packed in a clear container. Size 20 mm dia made up of plastic available in 5 colors. |
| MM 53 | STACKING COUNTERS (Set of 125) |
| MM 54 | COUNTER TILES (Set of 500 Tiles in 5 color) size $\mathbf{2 5 \times 2} \mathbf{~ c m}$ |
| MM 55 | COUNTER TILES (Set of 250 Tiles in $\mathbf{5}$ color) size $\mathbf{2 5 \times 2} \mathbf{~ c m}$ |
| MM 56 | NUMBER MAT |
| MM 57 | 2D SHAPE: Exciting hands-on activities addressing shape names and properties. |
| MM 58 | ATTRIBUTE BLOCKS SET: Attribute blocks sets includes red, yellow and blue circles, hexagons, rectangles, squares and triangles. |
| MM 59 | DECIMAL ABACUS: This wooden base abacus with measure $15 \mathrm{~cm} \times 4 \mathrm{~cm}$, thickness 18 mm having 7 holes with 7 spikes of 4 mm thick metal, provided with 70 beads of 7 colors. |
| MM 60 | FRAME ABACUS (WOODEN) WITH 100 BEADS: This wooden Abacus with 10 wire and 10 beads in each wire in 10 different color beads is a "calculator" that teaches math skills, pattern and color recognition. |
| MM 61 | CIRCLE KIT: Circle kit is provided with set of Three circular disk having different radius. |
| MM 62 | CLASSROOM BASE TEN SET: Set supplies for class of 20-25 students with 400 individual units, 80 rods, 40 flats, 4 Thousand cubes. |
| MM 63 | BASE TEN STAMP SET: Rubber stamp is replicas of Base 10 blocks. Includes one unit, one rod, one flat, and one cube stamp. |
| MM 64 | MAGNETIC BASE TEN BLOCK: It includes 100 single units, ten 10 -unit rods, ten 100 unit squares and one 2-d imensional graphic of a 1000-unit cube. The magnetized foam pieces are easy to grip and place on magnetic boards. |


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| MM 65 | TIME \& WORK KIT: It includes assorted colored right angle triangles with stop watch. It helps to calculate w ork done in the same time by the different groups. |
| MM 66 | TRIGONOMETRY BOARD: Trigonometric Board helps to understand functions related to the sides and interior a ngles 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 non-hypotenuse sides. |
| MM 67 | FACTORIZATION TILES: Set of 70 opaque plastic tiles in 2 colors and 3 shapes comes with a manual. |
| MM 68 | VOLUME RELATIONSHIP SET: To teach volume relationship between 3D solids, It consist of 10 cm dimension 3D solids. Set of 5 figures. |
| MM 69 | ISOMETRIC GEOBOARD: It allows to create 3D figures, pattern block activities and other interesting games. Size $20 \mathrm{~cm} \times 20 \mathrm{~cm}$. Number of pegs 105. |
| MM 70 | CIRCULAR GEOBOARD (Wooden): It has equally spaced pegs arranged on circumference of two different circles and one $p$ eg at the center. Size $20 \mathrm{~cm} \times 20 \mathrm{~cm}$. Number of pegs 25 . |
| MM 71 | MULTIPURPOSE GEO STICKS: These transparent plastic strips with measure $260 \mathrm{~mm} \times 20 \mathrm{~mm}$ having different slots \& h oles to make different angle \& shapes. Set of 4 different types of strips. |
| MM 72 | STUDENT'S ALGEBRA IDENTITY KIT: $(\mathrm{a}+\mathrm{b})^{2},(\mathrm{a}-\mathrm{b})^{2}, \mathrm{a}^{2}-\mathrm{b}^{2}$ Measure $15 \times 15 \mathrm{~cm}$ |
| MM 73 | ALGEBRA KIT (Foam): Algebra can be taught more efficiently with the use of algebra tiles. Algebra tiles are s quare and rectangular tiles that visually represent the parts of an algebraic equation. |
| MM 74 | CUBIC IDENTITIES $(\mathbf{a}+\mathbf{b}) \mathbf{3}$ : This is a demonstration model of $(a+b) 3$. Made up of plastic, easy to show the complex identity by detachable set of 8 pieces. |
| MM 75 | ALGEBRA TILES SET: 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 a pproach. Algebra tiles come with three types of tiles in two colors each, typically red for negative tiles and blue for positive tiles. |
| MM 76 | FRACTION BAR SET: Fraction Bar Set is Colorful, These Fraction Bars come in a plastic tray. The total of 51 s olid 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. |
| MM 77 | CYLINDER CUT IN 8 PARTS (Wooden) |
| MM 78 | Conic Section Set of 4 Parts:Parabola, Hyperbola, Circle \& Ellipse |
| MM 79 | OCTANT 3-D |
| MM 80 | WORKING MODEL OF PYTHAGORUS THEOREM: WOODEN, ROTATABLE |
| MM 81 | MAGNETIC NUMBER: Made of EVA Foam fitted with magnets |
| MM 82 | MAGNETIC ALPHABETS UPPER CASE |
| MM 83 | PEARL MARBLES (400 Nos Marbles): To Understand The Probability With Balls, set of 4 Different Colours |
| MM 84 | PLAYING CARD |
| MM 85 | CO-ORDINATE BOARD GAME |

## ITEM DESCRIPTION

MENSURATION KIT: To teach area of paralleogram, area of triangle, area of Rhombus, Area of Trapezium, Mid
MM 86 Point theoram, area of circle. Properties of paralleogram, Quadrilateral formed by the mid point of a quadrilateral \& Algebric identity set of cubes.

CONIC SECTION WITH STANDARD EQUATION: Student can determine the standard equation of Circle, Parabola, Hyperbola and Ellipse with $x$-y coordinate geoboard and cutout of conic section. Understand the MM 87 concept of focus, d irection, latusrectum major and minor axis of Ellipse. Set contains four $x-y$ coordinate geoboard, one wooden conic section model, four set of cutout of conic section in plastic, 400 rubber-band and 100 pegs.

SET THEORY BY VENN DIAGRAM: This Manipulative is used for understanding the concept of subset of a set, disjoint set, union, intersection, complements, power set and set difference by Venn Diagram. Set contains eight pieces of set activity models in plastic in four color Three magnetic ring with ten magnetic numbers from 0 to 9. Eight student activity card in eight colors with good quality paper. Provided with Instruction Manuals.

PROBABILITY KIT: Used to understand the concept of sample space, event space, dependent event, MM 89 independent event, mutually exclusive event, random probability concept in Probability. Set contains one wooden probability board. Spinner, 4 color dice, 20 coins, playing card, 4 Jug of Marbles in four colors, each jug contains 400 marbles. Provided with Instruction Manuals.

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 c ontains 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.

MM 91
PASCAL TRIANGLE KIT: Used to determine the coefficient of different terms of a binomial expansion. Set
contains 51 Magnetic stick and 21 magnetic counter. Provided with Instruction Manuals.

MM 92 RELATION AND FUNCTION: To 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. Provided with Instruction Manuals.

