

Ramanujan Museum & Math Education Centre,

(A unit of M.A.T. EDUCATIONAL TRUST)

15/9, Somu Chetty 4th Lane, Royapuram, Chennai - 600 013.

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To,

The Principal,

*Math Lab Activities
with
manipulatives*

Respected Principal,

We are pleased to announce a TWO DAY workshop on 'Math Lab Activities with manipulatives' for Teachers of classes I to X at New Delhi.

146 th	NEW DELHI
28 th April 2011, Thursday for Class I - V Teachers - Fees Rs. 1,200/-	
29 th April 2011, Friday for Class VI - X Teachers - Fees Rs. 1,200/-	
Venue :	
Navy Children School	
Naval Complex, Satya Marg., Chanakyapuri, New Delhi - 110021. ☎ : 011 - 24671892	
Time : 9.30 am to 4.30 pm	
Lunch & Tea will be provided	

The registration form is enclosed herewith for your consideration. Please enrol your teachers and oblige. With warm regards.

Yours faithfully,

A. T. B. Bose

Secretary

Workshop Conducted										
Ahmedabad	6	Ernakulam	2	Kolkata	6	Nagpur	1	Rajkot	2	
Bangalore	10	Guwahati	1	Kuppam	1	Nellore	1	Salem	1	
Bhopal	1	Hosur	1	Lucknow	1	New Delhi	12	Shimoga	1	
Bhubaneswar	1	Hyderabad	4	Ludhiana	1	Nidamangalam	1	Surat	2	
Chandigarh	3	Indore	1	Madurai	8	Panchkula	2	Tata Nagar	1	
Chennai	25	Jabalpur	1	Mangalore	1	Patna	1	Tenkasi	1	
Coimbatore	6	Jaipur	2	Manjalgudi	1	Perambalur	1	Tiruchirapalli	4	
Coonoor	2	Jammu	2	Moga	3	Pondicherry	2	Tirunelveli	1	
Dehradun	3	Jodhpur	1	Mumbai	6	Port Blair	2	Trivandrum	1	
Ranchi	1	Kanchipuram	1	Nagercoil	3	Pune	2	Vishakapatnam	1	
									TOTAL	145

Payment should be made by CASH or DD in favour of **Ramanujan Museum & Math Education Centre - Chennai**

For details contact - R. Visitra. Cell : 9873234940

PROGRAMME SCHEDULE

Registration : 9.15 am

Inauguration : 9.30 am

Closing Time : 4.30 pm

Morning Tea : 11.15 am

Lunch : 1.15 pm

Evening Tea : 4.15 pm

Day - 1 (Class I to V)

S. No	Kit	Topics	S. No	Kit	Topics		
1.	Place Value	Place value and face Value	4.	Tables	Building Multiplication Tables		
		Reading and representing a number			Multiplication facts of Zero		
		Number Before and Number After			Multiplication by One Digit Number		
		Addition of Numbers			Multiplication by 10 & 100		
		Subtraction of Numbers			Multiplication by Two Digit Number		
		Multiplication - Repeated addition			Multiplication by Three Digit Number		
		Division - Equal grouping			Least Common Multiple		
		Decimals and fundamental operations					
2.	Spiked Abacus	Representation of Numbers	5.	Fractions Circle	Like & Unlike Fractions and Equivalent Fractions		
		Expanded Notation of Numbers			Proper, Improper & Mixed Fractions		
		Regular & Irregular form of Numbers			Addition & Subtraction of Like Fractions		
		Indian & International system	6.	Area Concept	Area of irregular shapes		
		Four Fundamental operations			Area & Perimeter of square & rectangle.		
		Rounding off Numbers up to 10,100,1000			Square & Rectangle of same area		
		Conversion of Metric System (<i>Length</i>)			Square & Rectangle of same perimeter		
		Conversion of Metric System (<i>Weight</i>)			7.	Peg Board	Representing Number in different ways
		Conversion of Metric System (<i>Capacity</i>)					Factors & Divisors
		Expanded Notation of Decimal Numbers	Prime & Composite Numbers				
		Addition & Subtraction of Decimal Numbers	Least Common Multiple				
		Multiplication of Decimal Numbers by 10 & 100	Highest Common Factor				
Division of Decimal Numbers by 10 & 100	Addition of unlike fractions						
3.	Integers Scale	Addition of numbers (Number Line Concept)			Subtraction of unlike fractions		
		Subtraction of numbers (Number Line Concept)			Multiplication of unlike fractions		
					Division of unlike fractions		

Day - 2 (Class VI to X)

S. No	Kit	Topics	S. No	Kit	Topics
1.	Integers	Addition of Integers	7.	Identities 2D	Identities $(a + b)^2$, $(a + 3b)^2$, $(a + b + c)^2$
		Subtraction of Integers (<i>Removal method</i>)			Identities $(a - b)^2$ and $(a^2 - b^2)$
		Subtraction of Integers (<i>Reversal method</i>)			Identities $(a + b)^2 \pm (a - b)^2$
		Multiplication of Integers	8.	Cube & Cuboids	Using the Unit Cubes / Filling up with water
		Division of Integers			Paper folding - Surface area
2.	Concentric Circles	Value of Area of ring	9.	Cone, Cylinder, Sphere	Volume of the Cone & Cylinder - Relationship
3.	Linear Equation	Solving a Linear equation in one variable			Volume of the Cone & Hemisphere - Relationship
4.	Irrational No.	Plotting the rational & irrational numbers on a line	10.	Algebraic Expressions	Representation of Algebraic Expressions
5.	Pythagoras Theorem	Pythagoras Theorem			Addition & Subtraction of Algebraic Expressions
		Different approaches of the theorem			Multiplication of Algebraic Expressions
6.	Polygon Area	Area of a regular polygon			Division of Algebraic Expressions
					Factorization of Algebraic Expressions

What I hear, I forget - What I see, I remember - What I do, I understand.