

**MENTAL**



**12th All India Abacus & Mental Arithmetic Competition - 2012**  
**- Model Paper**  
**INTERMEDIATE A**

+/- 2 Marks per question  
 x 1 Mark per question

Time Limit : 8 / 200 Q

<b>GROUP</b> D1, D2, D3	<b>TOTAL MARKS</b>		Paper corrector Sign
		<b>300</b>	Data Entry Sign

Chennai Trade Centre, Convention Hall (25/8/2012)

No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
1																					3	5	1	7	3
2															2	5	7	7	9	1	9	7	8	-4	5
3								1	5	1	1	1	9	4	6	8	-2	4	-6	8	2	-1	5	4	5
4	2	9	2	1	7	7	7	6	-1	2	9	9	6	-1	2	5	9	5	5	3	1	9	9	8	8
5	8	-3	7	1	7	5	-1	2	7	1	-1	2	3	8	9	5	8	6	-2	4	3	-7	9	-7	3
6	5	8	1	7	9	4	6	1	5	5	6	9	9	6	5	2	-8	5	6	3	9	2	3	6	8
7	5	-3	3	-8	7	2	4	7	-9	3	-2	3	4	-9	6	1	9	9	8	3	3	-7	5	-6	7
8	2	6	1	6	5	5	9	7	8	2	8	3	3	1	7	5	-8	7	-3	3	4	2	4	5	2
9	7	6	1	-2	6	5	-2	7	3	4	-8	9	2	9	3	5	1	8	3	8	4	-9	2	-3	1
10	4	8	4	2	4	7	1	5	-6	6	1	7	6	-1	7	4	-8	6	-3	9	5	8	5	3	5
Ans																									

No.	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
1	3	97	77	7	4	54	77	3	35	3	6	3	1	62	38	6	5	7	1	22	57	71	88	79	9
2	8	-6	2	7	8	6	-9	5	-1	5	87	-3	1	-8	94	23	83	7	37	47	7	-5	76	88	98
3	8	2	9	-4	4	9	1	3	9	5	1	54	4	78	7	-3	7	8	-37	4	88	16	3	91	95
4	9	39	54	7	68	2	1	43	-8	9	6	6	4	4	49	61	7	85	53	3	9	3	6	-6	59
5	97	-2	5	-3	29	3	-5	2	65	1	9	6	36	-42	9	-6	42	79	42	4	84	-17	5	2	6
6	7	8	3	96	3	5	87	96	8	36	6	-1	77	7	8	27	5	2	-4	15	79	67	4	-32	1
7	43	-2	1	42	8	58	-3	3	2	5	6	42	9	-9	5	-52	96	82	6	1	5	-8	34	1	7
8	8	4	6	-7	3	5	2	5	-2	25	24	-1	5	94	89	2	66	85	-7	45	9	8	41	-4	65
Ans																									

No.	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75
1													66	59	57	78	76	50	26	54	35	81	16	38	26
2	63	37	97	53	42	45	74	25	46	57	99	66	97	19	81	51	67	45	55	12	85	-22	40	-17	38
3	73	-22	62	72	79	44	73	42	60	13	78	34	99	14	70	90	-49	80	98	35	76	14	45	50	40
4	90	24	86	-88	88	27	-64	89	-85	40	16	-84	72	-64	97	24	10	26	-70	21	84	26	24	16	48
Ans																									

No.	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1																77	88	60	53	76	89	40	81	84	60
2	39	87	37	91	58	68	63	38	49	34	97	96	24	59	40	70	-39	14	78	36	85	-33	97	-83	33
3	75	-19	15	-25	68	17	-40	33	-15	26	70	-52	26	-14	91	18	15	62	65	43	89	61	54	96	97
4	32	16	50	31	38	57	21	26	98	73	38	49	78	33	52	91	13	21	-92	63	55	-66	76	-90	87
5	30	-32	11	67	13	23	87	86	-61	58	83	37	80	28	22	20	-30	56	61	56	18	94	74	95	83
6	67	95	15	-16	68	88	-78	51	75	33	95	-87	47	-65	52	81	33	10	-41	25	89	29	21	42	13
Ans																									

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Chennai Trade Centre, Convention Hall (25/8/2012)

101	88	X	6	=	
102	17	X	5	=	
103	90	X	8	=	
104	94	X	4	=	
105	69	X	2	=	
106	36	X	7	=	
107	93	X	4	=	
108	30	X	9	=	
109	62	X	3	=	
110	62	X	7	=	
111	24	X	4	=	
112	30	X	3	=	
113	91	X	6	=	
114	83	X	5	=	
115	89	X	3	=	
116	56	X	3	=	
117	60	X	5	=	
118	52	X	3	=	
119	49	X	9	=	
120	85	X	5	=	
121	38	X	5	=	
122	32	X	7	=	
123	46	X	6	=	
124	97	X	7	=	
125	40	X	5	=	

126	94	X	2	=	
127	72	X	4	=	
128	15	X	8	=	
129	47	X	4	=	
130	60	X	6	=	
131	73	X	3	=	
132	98	X	7	=	
133	82	X	5	=	
134	34	X	5	=	
135	64	X	2	=	
136	97	X	9	=	
137	85	X	8	=	
138	20	X	7	=	
139	86	X	5	=	
140	81	X	8	=	
141	83	X	8	=	
142	75	X	2	=	
143	20	X	6	=	
144	40	X	7	=	
145	72	X	3	=	
146	64	X	9	=	
147	72	X	7	=	
148	81	X	3	=	
149	35	X	6	=	
150	82	X	8	=	

151	91	X	2	=	
152	12	X	4	=	
153	20	X	2	=	
154	28	X	6	=	
155	67	X	6	=	
156	79	X	8	=	
157	25	X	2	=	
158	37	X	8	=	
159	58	X	5	=	
160	36	X	2	=	
161	67	X	5	=	
162	89	X	7	=	
163	78	X	7	=	
164	11	X	5	=	
165	41	X	2	=	
166	24	X	5	=	
167	38	X	7	=	
168	78	X	5	=	
169	69	X	7	=	
170	67	X	8	=	
171	11	X	6	=	
172	26	X	4	=	
173	80	X	6	=	
174	93	X	5	=	
175	92	X	6	=	

176	77	X	9	=	
177	27	X	7	=	
178	63	X	2	=	
179	79	X	6	=	
180	47	X	7	=	
181	25	X	9	=	
182	18	X	8	=	
183	28	X	3	=	
184	25	X	3	=	
185	22	X	5	=	
186	27	X	5	=	
187	31	X	6	=	
188	33	X	9	=	
189	67	X	7	=	
190	41	X	5	=	
191	99	X	4	=	
192	27	X	9	=	
193	93	X	8	=	
194	32	X	3	=	
195	24	X	2	=	
196	58	X	3	=	
197	22	X	6	=	
198	26	X	9	=	
199	65	X	2	=	
200	59	X	8	=	