

**MENTAL**



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

**INTERMEDIATE A**

Time Limit : 8 / 200 Q

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

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

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																					6	3	1	6	9
2															5	6	8	4	6	1	8	-3	4	-4	4
3								1	5	6	3	8	7	7	5	5	-8	5	-5	8	3	3	6	7	4
4	6	6	4	8	4	6	7	3	-3	4	-1	3	7	4	7	7	8	5	7	4	3	-1	9	-4	7
5	5	6	3	-1	1	8	-7	1	6	4	7	4	7	1	8	7	-3	8	3	1	8	4	6	9	8
6	8	-7	3	4	4	4	5	9	7	8	4	4	4	-2	1	1	4	5	-9	5	6	7	1	3	2
7	8	8	3	5	1	5	4	5	-1	4	-6	1	3	5	7	6	-8	8	8	1	6	-6	3	-9	2
8	2	-9	7	-3	1	2	2	6	6	7	4	5	3	-6	9	1	9	3	-1	1	6	5	5	1	2
9	2	2	3	1	2	1	-8	4	-9	6	9	2	3	2	7	1	6	8	8	2	4	-6	7	-1	5
10	2	5	3	9	5	8	9	4	8	7	-6	3	5	-1	6	9	-4	6	-2	9	2	6	8	1	6
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	1	42	7	2	67	22	9	4	5	2	8	1	8	9	8	5	43	6	2	74	1	46	4	27	5
2	5	-5	2	29	8	7	-8	3	84	1	21	-1	6	-7	1	69	7	88	19	3	7	-7	21	-4	13
3	1	73	7	78	6	85	8	1	-8	5	88	99	63	57	43	-13	57	1	24	5	81	67	92	7	9
4	36	3	86	-9	93	8	-3	2	2	9	8	-9	2	82	94	72	59	21	-2	3	64	67	47	-4	23
5	95	-7	72	8	8	4	42	4	-5	4	1	7	6	7	64	1	34	8	92	1	9	-2	1	7	48
6	5	5	4	-3	3	7	54	56	33	29	2	25	1	-44	1	-4	7	96	-11	72	61	6	7	66	2
7	4	-9	7	6	9	6	2	64	3	89	5	-2	81	54	24	79	6	7	5	25	6	-78	73	-12	9
8	5	9	3	-9	2	7	-1	2	-5	5	9	5	2	-9	4	-5	5	79	-4	26	36	7	8	87	67
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													85	34	52	42	24	55	70	45	53	72	53	99	14
2	69	14	87	57	64	92	91	83	96	79	22	97	87	20	66	18	60	55	-45	56	48	15	70	15	41
3	52	99	45	47	72	64	76	55	95	80	98	93	29	49	68	50	34	54	41	24	73	-77	94	72	59
4	19	-18	77	-85	84	89	-46	99	-34	47	14	-31	34	-56	55	46	-19	13	85	70	28	96	22	-98	16
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																95	66	36	89	94	62	44	24	89	78
2	37	82	96	87	60	64	88	28	55	26	54	59	72	77	54	85	-62	43	-28	13	68	-10	25	-73	57
3	38	85	42	-42	64	52	60	88	-30	38	93	39	71	86	38	28	78	76	32	83	27	51	37	49	67
4	25	-78	48	48	99	36	-35	71	79	50	89	-93	62	-98	61	71	-57	15	32	28	96	41	40	14	36
5	59	67	64	-23	50	35	92	56	-27	22	49	10	58	11	79	53	14	38	-38	13	48	39	19	-57	84
6	61	-99	40	27	70	86	-10	26	31	78	96	-11	17	-57	75	64	94	59	65	12	88	-22	71	19	48
Ans																									

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

101	75	X	7	=	
102	79	X	5	=	
103	19	X	5	=	
104	78	X	3	=	
105	63	X	6	=	
106	37	X	7	=	
107	47	X	8	=	
108	55	X	2	=	
109	78	X	8	=	
110	87	X	2	=	
111	34	X	4	=	
112	95	X	4	=	
113	84	X	3	=	
114	59	X	7	=	
115	20	X	3	=	
116	39	X	3	=	
117	98	X	6	=	
118	94	X	6	=	
119	93	X	3	=	
120	46	X	7	=	
121	48	X	3	=	
122	44	X	3	=	
123	66	X	3	=	
124	56	X	4	=	
125	35	X	7	=	

126	21	X	6	=	
127	81	X	7	=	
128	51	X	6	=	
129	63	X	8	=	
130	35	X	8	=	
131	95	X	5	=	
132	35	X	6	=	
133	84	X	9	=	
134	41	X	7	=	
135	88	X	6	=	
136	38	X	5	=	
137	68	X	4	=	
138	75	X	6	=	
139	34	X	3	=	
140	16	X	5	=	
141	43	X	6	=	
142	98	X	9	=	
143	26	X	4	=	
144	66	X	4	=	
145	55	X	8	=	
146	73	X	5	=	
147	10	X	5	=	
148	81	X	3	=	
149	27	X	9	=	
150	80	X	3	=	

151	32	X	3	=	
152	52	X	7	=	
153	79	X	3	=	
154	15	X	2	=	
155	36	X	3	=	
156	37	X	3	=	
157	36	X	5	=	
158	50	X	4	=	
159	36	X	2	=	
160	70	X	8	=	
161	67	X	3	=	
162	93	X	2	=	
163	19	X	3	=	
164	91	X	7	=	
165	49	X	3	=	
166	57	X	9	=	
167	75	X	2	=	
168	61	X	9	=	
169	40	X	8	=	
170	73	X	2	=	
171	33	X	5	=	
172	86	X	4	=	
173	52	X	4	=	
174	36	X	7	=	
175	53	X	9	=	

176	24	X	3	=	
177	39	X	2	=	
178	75	X	4	=	
179	64	X	5	=	
180	43	X	7	=	
181	15	X	7	=	
182	47	X	7	=	
183	84	X	2	=	
184	98	X	4	=	
185	89	X	6	=	
186	26	X	8	=	
187	61	X	4	=	
188	63	X	9	=	
189	77	X	2	=	
190	44	X	7	=	
191	76	X	9	=	
192	74	X	8	=	
193	60	X	7	=	
194	94	X	9	=	
195	50	X	9	=	
196	56	X	8	=	
197	73	X	3	=	
198	98	X	2	=	
199	41	X	8	=	
200	25	X	9	=	