

**MENTAL**

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



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

Time Limit : 8 / 200 Q

<b>GROUP</b>	<b>TOTAL MARKS</b>		Paper corrector Sign
<b>H1, H2, H3</b>		<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	87	92	27	71	92	22	47	79	84	84	31	88	26	19	52	59	78	72	67	47	45	85	95	55	83
2	28	63	58	-44	52	34	-13	69	-14	84	38	78	77	58	22	46	-63	60	14	30	65	64	91	87	33
3	79	-30	81	63	27	68	98	24	72	87	65	-11	76	-51	93	88	38	63	21	83	47	60	74	67	73
4	10	33	92	92	61	19	72	86	-99	57	39	89	93	43	89	36	71	59	-47	23	14	-91	52	-31	74
5	55	54	85	31	81	22	19	21	87	49	86	-11	43	-38	13	77	45	77	66	38	71	42	14	43	56
6	57	-28	43	-87	29	40	-72	50	66	54	98	45	70	48	76	72	-57	39	-66	14	22	-97	49	-15	81
7	35	57	39	93	22	56	23	48	-21	68	43	-19	83	50	55	63	35	79	94	16	91	88	84	89	46
8	33	-24	51	-89	50	58	-17	43	50	20	11	86	45	-78	33	62	-72	90	-57	58	69	-93	28	-28	91
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	34	39	56	62	92	58	92	93	62	75	69	54	35	79	87	63	74	22	76	12	66	61	24	71	48
2	36	95	37	-42	76	59	-36	74	32	43	27	43	12	-17	69	98	44	35	-73	45	41	67	27	47	15
3	57	-74	33	99	76	87	67	16	-67	21	41	-48	45	87	71	74	87	64	29	88	46	-80	99	-86	87
4	93	93	47	65	79	84	-60	85	78	33	63	70	95	-86	75	78	-49	39	91	66	97	29	35	64	84
5	63	-50	11	92	28	53	64	34	-28	41	93	-45	10	68	93	14	37	31	-85	99	78	-54	17	-40	55
6	47	44	47	-48	30	31	10	26	40	59	26	76	60	93	35	43	-87	68	10	51	83	43	71	60	69
7	24	38	40	87	42	48	49	52	82	73	42	-45	93	30	56	59	97	72	75	11	62	35	11	40	86
8	30	-72	26	18	83	49	-65	54	30	46	93	82	24	43	42	61	83	74	43	44	96	90	15	64	83
9	37	75	98	-50	65	93	40	92	-24	54	15	18	23	-56	92	98	-49	39	-78	43	57	-34	59	-28	96
Ans																									



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		<b>300</b>	Data Entry Sign

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

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	9.51	9.25	6.70	1.56	2.41	9.27	8.04	5.81	2.39	2.06	9.90	3.67	2.75	3.83	2.94	3.76	9.47	7.45	1.67	1.74	5.57	6.21	4.20	3.59	2.99
2	.49	-.35	.40	-.54	.92	.61	-.43	.71	-.30	.56	.32	-.36	.19	-.50	.41	.27	-.59	.23	-.58	.99	.72	-.64	.18	-.20	.93
3	9.99	7.55	7.73	1.26	9.76	7.30	9.49	4.87	8.85	1.09	6.68	6.83	1.05	4.36	7.30	8.92	4.21	3.78	6.60	8.69	2.11	6.56	5.35	1.18	1.82
4	.68	-.95	.89	-.66	.31	.30	-.22	.37	-.80	.67	.95	-.32	.86	-.81	.38	.51	-.53	.66	-.89	.25	.37	-.55	.49	-.84	.28
5	4.44	1.37	6.51	2.52	8.15	4.27	1.75	2.95	2.83	8.78	7.97	4.35	4.34	5.21	6.95	7.85	2.50	7.88	7.24	5.36	1.53	5.16	4.35	8.39	7.34
6	.17	.25	.51	.75	.99	.52	.19	.14	.48	.58	.46	.47	.63	.40	.53	.93	.88	.78	.91	.95	.85	.47	.63	.81	.66
7	5.16	5.69	5.04	9.42	9.95	6.27	1.87	3.76	5.15	5.10	8.48	5.12	7.65	9.41	2.33	6.62	6.78	5.65	1.48	7.98	6.23	1.42	5.94	4.57	8.20
8	.39	-.48	.83	-.41	.67	.20	-.89	.96	-.70	.18	.57	-.55	.38	-.73	.73	.66	-.20	.29	-.26	.39	.60	-.88	.77	-.73	.91
9	4.36	-3.61	9.50	-9.38	5.39	4.03	-5.26	6.99	-8.21	4.54	7.38	-8.30	2.88	-2.72	5.98	3.86	-1.30	6.30	-3.76	5.23	6.88	-7.09	2.76	-4.27	4.28
10	.32	.68	.38	.92	.58	.93	.36	.76	.14	.58	.80	.78	.64	.12	.88	.41	.29	.76	.85	.84	.30	.21	.24	.83	.64
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	9.14	3.82	8.97	6.86	3.72	7.73	9.40	8.51	2.98	4.76	3.47	8.97	9.93	5.51	3.09	7.87	4.70	8.64	7.38	1.42	6.06	6.67	1.45	9.99	2.49
2	4.13	-2.32	3.09	-5.23	4.17	4.37	-7.22	9.90	-2.39	8.43	2.18	-6.62	2.74	-4.67	3.49	9.70	-3.03	3.91	-2.47	1.35	1.82	-1.35	4.20	-6.65	4.50
3	5.64	4.80	3.90	7.80	4.77	3.97	6.72	5.94	2.37	6.96	7.06	1.86	1.25	9.29	7.19	6.20	3.32	1.36	8.36	4.05	5.04	5.22	4.18	9.95	9.90
4	5.14	7.34	8.68	8.70	5.55	6.83	4.06	7.67	5.01	4.67	9.09	3.77	6.87	2.05	1.09	1.17	4.73	9.16	9.91	5.93	3.09	6.80	8.26	1.64	1.62
5	5.20	-2.94	3.67	-2.11	6.13	1.65	-1.49	7.66	-6.73	1.77	1.98	-7.57	1.70	-1.07	8.33	1.51	-2.11	9.56	-5.56	8.03	3.27	-4.71	5.88	-5.49	2.14
6	4.29	5.95	5.88	3.81	8.55	8.68	2.03	5.05	1.37	3.20	5.53	5.25	8.60	8.51	7.94	3.69	6.82	8.39	5.87	9.41	3.40	2.48	7.65	7.06	3.21
7	6.38	2.24	1.09	7.34	4.03	8.10	3.33	8.97	4.03	4.41	2.63	6.91	6.45	1.39	7.53	2.75	6.06	4.47	6.65	6.47	4.96	9.33	8.85	5.16	5.01
8	1.48	-1.33	2.59	-8.48	8.77	8.50	-1.33	8.41	-6.49	6.26	7.75	-5.97	6.12	-8.08	6.20	6.20	-1.44	6.44	-9.89	2.18	9.61	-1.18	5.36	-1.88	8.76
9	4.77	1.32	4.67	9.80	4.67	1.70	5.56	5.16	3.24	8.47	7.06	5.10	6.68	2.26	3.82	4.63	8.45	9.09	5.34	2.01	3.07	3.63	1.43	4.33	5.51
10	6.05	-9.00	2.86	-6.85	8.53	4.60	-4.38	6.59	-2.24	4.99	7.35	-2.49	5.78	-3.38	9.19	5.00	-9.63	1.88	-9.70	9.56	2.17	-7.75	8.66	-5.11	1.91
Ans																									

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<b>H1, H2, H3</b>	<b>300</b>	Data Entry Sign

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

101	8370	X	6	=	
102	6382	X	8	=	
103	2839	X	2	=	
104	6703	X	4	=	
105	4412	X	9	=	
106	9691	X	8	=	
107	5013	X	8	=	
108	9268	X	3	=	
109	4154	X	4	=	
110	3049	X	2	=	
111	6622	X	3	=	
112	5396	X	9	=	
113	7528	X	2	=	
114	4829	X	4	=	
115	1248	X	9	=	
116	7123	X	4	=	
117	6298	X	4	=	
118	2927	X	4	=	
119	4501	X	2	=	
120	6572	X	5	=	
121	7847	X	2	=	
122	4998	X	4	=	
123	7172	X	2	=	
124	3907	X	7	=	
125	2825	X	4	=	

126	700	X	49	=	
127	427	X	18	=	
128	160	X	82	=	
129	149	X	62	=	
130	776	X	61	=	
131	360	X	72	=	
132	143	X	80	=	
133	783	X	90	=	
134	133	X	49	=	
135	319	X	10	=	
136	965	X	41	=	
137	531	X	60	=	
138	552	X	80	=	
139	794	X	46	=	
140	699	X	73	=	
141	502	X	65	=	
142	420	X	39	=	
143	269	X	30	=	
144	370	X	45	=	
145	234	X	51	=	
146	437	X	40	=	
147	475	X	84	=	
148	486	X	59	=	
149	248	X	94	=	
150	871	X	27	=	

151	160	÷	16	=	
152	2660	÷	95	=	
153	4048	÷	92	=	
154	5320	÷	70	=	
155	5544	÷	66	=	
156	3293	÷	89	=	
157	1050	÷	25	=	
158	1032	÷	12	=	
159	2660	÷	28	=	
160	650	÷	10	=	
161	1755	÷	39	=	
162	2773	÷	47	=	
163	2560	÷	40	=	
164	3363	÷	59	=	
165	2001	÷	23	=	
166	871	÷	13	=	
167	1674	÷	18	=	
168	1914	÷	87	=	
169	1407	÷	21	=	
170	2808	÷	36	=	
171	1333	÷	43	=	
172	9801	÷	99	=	
173	1320	÷	15	=	
174	8178	÷	87	=	
175	1152	÷	24	=	

176	1200	÷	20	=	
177	2072	÷	56	=	
178	2479	÷	67	=	
179	4264	÷	52	=	
180	4503	÷	57	=	
181	1508	÷	26	=	
182	1157	÷	13	=	
183	2346	÷	46	=	
184	6440	÷	92	=	
185	416	÷	16	=	
186	3807	÷	47	=	
187	1440	÷	30	=	
188	6970	÷	82	=	
189	3901	÷	47	=	
190	636	÷	53	=	
191	3952	÷	52	=	
192	3619	÷	77	=	
193	5850	÷	78	=	
194	3612	÷	42	=	
195	880	÷	20	=	
196	1769	÷	29	=	
197	1209	÷	39	=	
198	2310	÷	55	=	
199	5580	÷	62	=	
200	6231	÷	67	=	