

**MENTAL**

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



**12th All India Abacus & Mental Arithmetic Competition - 2012**  
- Model Paper  
**GRAND LEVEL 1 & 2**

Time Limit : 8 / 200 Q

<b>GROUP</b>	<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	4.32	8.39	8.98	6.07	5.11	2.02	9.58	2.38	3.39	2.13	3.04	9.35	5.75	9.81	8.02	5.72	6.20	7.60	9.10	9.94	7.70	1.71	4.97	8.12	1.18
2	5.14	-3.64	2.11	-1.10	1.35	2.49	-3.23	8.27	-1.95	6.43	5.25	-5.20	6.72	-2.14	5.83	5.33	-2.48	4.16	-7.36	4.79	7.94	-1.13	8.24	-1.19	1.75
3	1.37	4.13	8.57	3.72	9.11	3.67	5.95	9.58	8.08	4.36	8.26	7.51	8.83	7.03	1.65	1.14	1.00	3.59	6.33	3.54	5.30	9.00	7.26	2.72	6.14
4	2.56	7.32	1.76	7.43	4.85	7.57	5.76	4.42	8.40	9.06	8.02	7.90	7.09	1.19	7.60	6.67	9.04	1.36	2.90	2.82	7.22	4.62	1.15	3.57	1.11
5	8.53	-3.50	1.93	-1.52	7.22	8.98	-6.60	9.51	-4.75	5.65	4.31	-8.96	2.52	-2.98	8.94	8.39	-5.06	3.58	-9.67	2.06	9.91	-9.03	3.34	-6.61	2.46
6	6.43	1.69	9.90	9.75	8.33	3.11	2.68	4.65	7.48	1.21	7.89	7.60	6.77	3.75	3.05	1.73	7.77	5.29	6.07	8.03	5.18	1.21	4.11	4.94	7.53
7	3.02	8.11	9.48	3.96	4.50	2.56	2.34	5.43	9.91	6.25	1.29	7.89	3.85	7.16	3.28	9.92	8.79	8.23	2.17	3.19	4.28	7.88	3.97	5.03	7.11
8	1.36	-3.33	9.49	-2.27	7.89	1.90	-7.61	1.18	-3.99	1.93	1.34	-4.28	2.87	-6.16	7.08	6.64	-6.95	1.65	-5.70	4.94	4.45	-3.89	6.31	-3.22	8.48
9	3.17	2.91	3.66	5.47	5.73	1.22	3.28	5.55	8.06	6.70	1.35	2.51	2.97	1.18	8.68	3.83	3.72	7.38	5.58	3.70	1.97	7.76	4.27	8.23	5.71
10	6.64	-7.42	4.20	-7.71	1.10	3.91	-8.26	5.78	-2.56	7.37	7.05	-9.06	8.34	-8.00	2.58	4.68	-9.90	9.17	-7.70	8.38	7.98	-8.68	8.35	-9.59	4.94
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	8.69	6.82	3.38	7.18	7.50	8.51	3.80	6.66	9.72	6.53	8.99	4.69	7.95	7.51	2.47	6.86	7.31	5.34	8.52	1.68	1.58	9.96	2.15	6.88	1.36
2	58.85	49.09	27.95	83.61	74.20	58.40	51.61	64.58	73.27	52.97	62.99	28.99	67.62	80.36	88.71	15.73	59.11	43.54	54.16	84.05	55.88	53.57	55.03	28.50	77.51
3	4.30	-2.81	6.45	-9.18	3.54	6.74	-4.28	5.04	-8.83	7.53	2.44	-5.90	7.97	-7.09	7.45	1.08	-7.59	1.48	-7.51	4.44	4.81	-5.61	8.09	-6.75	9.52
4	92.49	95.50	95.07	20.97	67.26	23.47	80.33	58.41	95.94	92.33	65.48	34.77	85.69	29.76	51.03	60.93	72.86	45.34	65.70	31.79	66.07	44.56	90.60	10.55	16.55
5	22.45	31.84	71.79	28.93	39.41	87.88	63.80	64.70	89.06	30.95	25.52	16.84	25.21	63.51	89.05	91.37	24.32	92.59	62.80	31.20	22.50	62.85	18.82	17.98	53.64
6	1.44	-7.16	8.89	-2.86	2.73	9.12	-6.71	8.46	-7.88	6.06	4.79	-2.20	8.16	-4.58	4.42	3.69	-8.99	6.86	-4.73	9.77	4.94	-5.16	6.45	-7.56	1.58
7	12.08	62.51	99.71	20.44	30.03	48.09	10.17	60.26	61.65	91.99	87.55	34.24	56.84	44.93	55.27	61.45	82.19	74.00	70.68	35.85	49.20	60.98	70.65	84.67	38.01
8	7.00	-6.83	7.74	-6.64	9.45	4.60	-6.87	2.15	-4.87	3.61	2.50	-8.86	2.96	-6.88	4.92	3.86	-4.98	2.67	-8.67	7.28	4.99	-5.50	8.93	-4.59	3.69
9	98.12	87.64	63.97	61.47	37.37	58.90	89.56	40.22	94.80	60.72	82.46	29.07	50.07	85.58	25.66	61.78	38.41	53.78	89.45	64.25	42.42	68.52	51.52	34.08	18.33
10	5.48	-9.37	4.70	-7.67	8.66	8.46	-3.94	4.60	-4.13	5.03	9.23	-2.62	9.89	-3.44	1.33	7.76	-5.49	4.12	-8.05	9.22	9.78	-3.52	8.21	-4.32	6.64
Ans																									

**MENTAL**

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



**12th All India Abacus & Mental Arithmetic Competition - 2012**  
- Model Paper  
**GRAND LEVEL 1 & 2**

Time Limit : 8 / 200 Q

<b>GROUP</b>	<b>TOTAL MARKS</b>		Paper corrector Sign
<b>K1, K2</b>		<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	58.82	84.95	87.77	97.89	84.05	32.07	59.12	98.92	74.12	27.99	90.83	18.67	90.14	70.24	34.84	73.51	24.70	57.09	99.78	57.05	42.98	91.35	44.15	97.05	38.79
2	29.70	-51.64	86.40	-42.20	84.12	45.19	-42.32	91.43	-15.59	97.45	50.97	-17.16	67.25	-19.39	55.87	45.63	-19.78	42.10	-78.36	32.62	82.68	-30.68	67.91	-55.56	85.79
3	94.05	47.88	67.03	94.95	18.62	73.15	99.99	15.26	24.11	21.25	10.21	80.61	87.43	86.94	12.19	23.77	55.67	40.84	52.19	86.82	31.20	37.23	86.83	78.51	67.19
4	99.35	-27.12	99.94	-49.00	67.83	51.67	-57.05	39.13	-66.64	27.69	45.37	-22.88	99.27	-43.65	56.90	85.27	-13.99	20.16	-36.41	43.38	22.14	-65.84	68.81	-38.61	87.65
5	90.30	44.90	93.72	91.82	41.39	35.72	60.03	13.29	44.22	61.76	15.59	40.13	66.00	72.31	86.11	64.84	92.97	15.03	23.49	80.56	61.70	99.66	68.54	88.40	36.64
6	91.29	-96.92	54.25	-62.78	89.07	94.10	-85.50	37.83	-37.80	18.74	74.75	-90.52	40.91	-59.33	65.40	78.26	-78.58	23.82	-12.39	85.34	80.25	-16.16	46.71	-98.16	85.38
7	93.70	69.11	48.89	48.52	35.33	39.28	35.26	50.02	92.41	32.06	27.22	99.80	35.26	31.12	56.13	18.53	10.94	11.61	77.14	31.41	79.82	72.12	17.05	13.31	21.41
8	19.66	54.68	70.61	74.85	35.50	17.17	79.35	65.38	19.41	63.74	21.79	80.01	41.89	41.58	90.00	25.52	45.61	22.61	52.88	13.83	44.79	99.69	70.83	68.89	28.50
9	54.13	-70.94	95.40	-17.10	17.54	30.09	-81.30	15.43	-95.32	40.63	26.51	-87.10	92.37	-69.57	54.59	43.03	-58.23	15.86	-82.55	59.11	50.75	-54.98	76.92	-65.94	16.12
10	58.04	75.09	60.56	30.94	95.59	10.90	49.64	81.27	88.81	23.53	63.96	37.10	61.68	26.88	69.10	49.39	24.88	19.24	72.26	52.51	54.68	92.03	90.75	72.83	43.44
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	679.16	277.31	534.46	901.70	787.72	723.33	480.30	404.93	244.38	780.80	557.38	726.48	831.26	427.79	983.97	602.34	830.83	867.39	664.03	662.55	474.41	689.20	293.90	846.97	235.55
2	250.75	313.19	408.38	644.64	588.94	762.60	508.26	626.54	517.01	757.01	225.21	162.24	677.42	589.15	334.39	223.16	696.14	753.73	222.43	168.03	958.62	980.95	381.64	671.60	293.72
3	174.94	-154.52	925.21	-983.79	150.08	418.86	-588.45	838.36	-577.95	666.38	749.25	-111.38	408.53	-406.91	136.11	469.43	-131.36	638.07	-593.57	989.52	920.52	-259.66	944.53	-302.06	928.40
4	379.24	727.37	477.72	756.18	240.96	271.61	474.38	666.68	402.33	243.02	988.28	263.46	650.23	441.85	140.71	548.15	850.94	948.73	484.90	230.06	784.93	330.37	321.24	441.40	815.53
5	454.48	-687.02	255.02	-588.18	439.16	817.47	-380.81	409.11	-176.37	842.64	856.48	-202.47	888.78	-691.16	491.40	728.09	-660.25	744.41	-665.38	937.14	760.11	-491.50	963.66	-399.93	224.42
6	808.11	667.18	387.36	888.44	850.84	161.35	337.61	743.39	806.51	323.86	339.75	718.48	375.88	624.54	764.66	233.70	896.97	918.09	954.25	998.60	273.13	407.09	412.50	688.43	455.64
7	877.89	868.15	191.33	767.64	140.68	704.07	932.74	324.54	578.04	233.74	295.09	815.04	125.10	749.21	412.62	399.34	686.61	983.68	915.50	959.82	887.17	307.15	356.45	849.46	282.03
8	370.32	-684.65	795.19	-983.88	865.29	596.60	-169.47	222.91	-721.32	662.25	207.32	-260.33	789.71	-994.54	234.27	198.79	-436.99	320.80	-291.87	358.04	179.44	-935.20	196.93	-830.59	761.49
9	706.45	145.68	680.06	492.41	602.81	125.73	236.70	721.09	286.59	646.02	854.66	413.35	127.80	819.25	366.50	980.11	171.76	726.47	951.14	661.51	418.21	260.14	927.26	563.27	290.96
10	501.55	-924.73	604.83	-538.76	774.97	711.88	-571.51	390.41	-199.21	655.55	404.30	-606.38	311.49	-506.82	896.98	290.85	-578.46	602.11	-301.98	825.50	798.93	-176.78	174.77	-930.76	767.77
Ans																									

**MENTAL**



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

**GRAND LEVEL 1 & 2**

Time Limit : 8 / 200 Q

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

<b>GROUP</b>	<b>TOTAL MARKS</b>	Paper corrector Sign
<b>K1, K2</b>	<b>300</b>	Data Entry Sign

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

101	20	X	44	=	
102	71	X	71	=	
103	81	X	89	=	
104	35	X	34	=	
105	33	X	22	=	
106	72	X	35	=	
107	82	X	16	=	
108	22	X	81	=	
109	22	X	45	=	
110	24	X	86	=	
111	117	X	92	=	
112	289	X	76	=	
113	418	X	99	=	
114	952	X	80	=	
115	428	X	17	=	
116	363	X	91	=	
117	388	X	72	=	
118	832	X	22	=	
119	247	X	34	=	
120	205	X	53	=	
121	909	X	90	=	
122	960	X	81	=	
123	770	X	78	=	
124	934	X	43	=	
125	623	X	32	=	

126	295	X	183	=	
127	120	X	441	=	
128	223	X	394	=	
129	879	X	960	=	
130	233	X	500	=	
131	587	X	672	=	
132	335	X	244	=	
133	207	X	157	=	
134	124	X	736	=	
135	759	X	651	=	
136	815	X	206	=	
137	429	X	613	=	
138	485	X	564	=	
139	316	X	455	=	
140	430	X	321	=	
141	1219	X	90	=	
142	2446	X	51	=	
143	3966	X	33	=	
144	9939	X	85	=	
145	7608	X	18	=	
146	5158	X	90	=	
147	1599	X	48	=	
148	4098	X	62	=	
149	6157	X	19	=	
150	8421	X	16	=	

151	1416	÷	59	=	
152	10488	÷	69	=	
153	935	÷	55	=	
154	2910	÷	15	=	
155	3010	÷	43	=	
156	1147	÷	31	=	
157	7221	÷	87	=	
158	874	÷	23	=	
159	31122	÷	91	=	
160	30053	÷	41	=	
161	1178	÷	38	=	
162	3430	÷	35	=	
163	3354	÷	86	=	
164	1760	÷	20	=	
165	1460	÷	20	=	
166	56416	÷	86	=	
167	4500	÷	50	=	
168	2511	÷	81	=	
169	1560	÷	39	=	
170	1188	÷	27	=	
171	6205	÷	73	=	
172	285	÷	19	=	
173	330	÷	11	=	
174	234	÷	13	=	
175	65070	÷	90	=	

176	38584	÷	53	=	
177	35919	÷	39	=	
178	69093	÷	81	=	
179	19000	÷	95	=	
180	5376	÷	16	=	
181	46104	÷	51	=	
182	31824	÷	26	=	
183	538300	÷	70	=	
184	69381	÷	13	=	
185	651728	÷	88	=	
186	231264	÷	24	=	
187	481479	÷	57	=	
188	658628	÷	92	=	
189	31824	÷	1224	=	
190	538300	÷	7690	=	
191	69381	÷	5337	=	
192	651728	÷	7406	=	
193	231264	÷	9636	=	
194	22275	÷	297	=	
195	18880	÷	944	=	
196	62856	÷	776	=	
197	40310	÷	695	=	
198	63987	÷	831	=	
199	5544	÷	252	=	
200	15390	÷	171	=	