

**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> K1, K2	<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	6.57	5.21	1.92	9.06	6.14	2.38	5.41	8.29	7.41	5.06	7.05	4.83	8.29	7.40	1.32	2.33	6.50	1.77	6.45	5.07	6.73	9.75	5.42	4.04	3.29
2	6.87	-4.78	2.23	-8.52	1.33	4.00	-1.21	2.11	-2.57	2.73	6.50	-3.70	6.22	-2.51	7.89	4.88	-3.97	4.13	-2.66	5.68	7.01	-2.32	1.75	-3.44	5.83
3	1.06	8.50	2.21	2.50	9.58	3.15	4.99	1.24	5.27	5.76	1.78	1.49	7.55	2.36	9.65	5.61	7.33	2.31	8.38	7.69	1.09	1.47	6.23	2.86	9.29
4	5.67	5.21	3.47	6.95	9.53	6.60	1.57	5.30	7.31	8.02	5.23	8.58	8.64	8.49	6.87	6.97	2.65	9.41	3.08	9.87	6.50	3.11	2.80	6.72	3.35
5	5.00	-8.84	2.25	-9.15	7.01	8.73	-7.71	6.23	-1.70	4.87	8.47	-7.88	9.83	-8.49	4.87	5.18	-4.44	2.85	-7.52	9.61	2.08	-4.90	2.69	-3.95	2.82
6	7.49	9.36	6.68	4.84	6.29	9.36	5.62	1.76	5.23	7.39	4.70	8.42	5.79	8.98	5.35	9.92	5.98	9.20	1.01	6.69	1.85	3.63	2.18	3.26	2.67
7	4.78	4.54	1.76	8.09	1.20	6.16	5.11	6.08	6.98	8.76	2.11	1.91	7.50	1.02	4.16	6.02	7.10	9.30	1.85	8.01	4.17	3.56	3.45	7.03	7.74
8	7.10	-7.99	4.31	-8.77	8.38	5.60	-8.39	8.59	-2.35	4.34	3.77	-1.82	6.04	-5.51	1.87	6.41	-6.19	5.02	-5.35	1.05	9.73	-8.06	8.82	-3.52	7.40
9	1.21	3.08	3.53	4.15	1.60	7.92	4.01	8.12	9.35	2.25	7.58	1.92	1.12	4.68	5.54	7.14	5.46	4.51	9.94	7.88	2.22	3.57	2.87	5.82	3.75
10	1.57	-3.22	2.68	-2.64	6.37	7.51	-4.70	8.04	-6.23	4.47	7.46	-8.31	2.69	-6.96	3.60	5.40	-6.21	5.02	-4.37	8.67	1.19	-5.23	3.20	-5.07	7.87
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	3.01	1.52	3.04	4.21	2.83	7.50	3.05	5.01	4.46	2.64	3.99	5.57	2.61	3.21	8.68	1.17	3.66	8.51	3.69	1.83	8.60	8.29	9.24	2.40	3.10
2	58.69	60.93	70.81	52.41	52.84	65.03	18.04	93.98	91.64	79.79	84.11	26.53	29.93	93.74	95.57	14.08	99.43	75.77	11.20	37.00	28.65	80.41	84.75	86.89	36.93
3	9.97	-4.56	5.79	-2.32	3.80	9.01	-8.09	3.91	-8.60	5.65	2.77	-1.12	6.05	-7.91	5.41	9.99	-6.63	4.74	-8.73	6.02	2.36	-1.71	2.38	-4.70	8.73
4	40.84	57.99	80.91	32.76	80.93	91.78	35.22	80.76	51.17	47.95	97.85	22.95	17.41	34.10	83.20	30.56	54.33	93.63	81.40	39.39	24.79	31.07	47.59	97.61	85.90
5	41.77	25.87	30.72	97.43	63.60	30.28	75.22	93.87	57.65	33.07	66.52	39.65	17.68	70.03	73.43	73.58	81.01	65.79	33.73	84.49	79.71	61.15	65.07	12.29	17.73
6	6.53	-3.45	2.97	-4.58	9.10	4.14	-6.14	6.28	-1.19	3.66	6.75	-7.59	8.32	-9.70	4.53	5.13	-6.84	1.41	-9.72	6.38	4.96	-4.25	1.09	-4.06	2.90
7	67.54	40.91	53.99	37.50	54.21	27.51	70.75	35.59	19.51	98.62	90.30	62.27	19.48	11.11	48.56	61.76	55.56	73.80	71.81	46.03	67.62	12.62	15.12	92.91	96.60
8	1.66	-7.64	4.65	-2.86	2.25	7.26	-8.81	4.53	-1.97	2.65	7.39	-1.45	7.64	-7.55	5.13	3.61	-6.02	6.24	-5.20	8.55	4.47	-6.13	6.65	-8.10	3.37
9	48.69	70.13	25.21	16.82	20.96	11.37	52.09	91.33	57.55	75.46	28.77	13.29	55.35	96.39	67.79	45.59	75.07	38.30	11.73	48.42	36.77	33.32	52.51	81.12	89.60
10	8.36	-7.49	3.46	-4.93	8.47	7.97	-1.62	5.95	-4.79	8.75	8.12	-6.22	6.87	-3.81	2.84	1.12	-7.33	3.21	-6.58	6.73	5.97	-4.99	2.82	-6.93	8.95
Ans																									

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<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	36.35	52.76	69.87	69.65	67.78	34.07	77.70	91.72	85.28	45.94	94.73	41.03	66.57	94.96	78.79	23.50	99.58	47.49	98.54	79.12	22.03	52.03	27.26	75.94	38.51
2	34.23	-28.25	59.24	-29.55	89.12	45.13	-12.05	29.41	-46.41	86.65	67.48	-22.27	39.07	-21.37	81.29	35.64	-96.83	33.96	-71.76	68.18	76.35	-51.37	93.37	-14.90	47.59
3	60.96	44.78	25.49	93.08	95.65	38.55	86.30	41.57	59.38	87.63	61.64	56.87	69.34	94.33	43.46	10.70	66.91	63.57	80.38	12.38	55.28	92.66	24.18	45.59	34.47
4	71.55	-25.58	70.54	-89.65	38.74	40.37	-46.03	51.23	-55.74	47.23	21.31	-35.02	39.54	-65.79	62.32	22.93	-40.62	24.53	-84.08	57.51	92.17	-70.20	41.23	-22.70	70.89
5	31.80	53.91	53.38	27.84	68.36	83.10	86.28	58.22	67.74	95.16	17.75	74.07	52.78	69.81	36.55	78.38	79.48	31.68	91.21	13.28	32.29	75.24	60.98	58.26	32.30
6	11.86	-51.11	82.70	-41.45	82.20	97.24	-66.56	36.24	-67.84	98.10	36.46	-98.25	10.93	-94.41	60.84	12.53	-77.27	42.03	-54.49	69.35	53.93	-61.47	30.90	-67.81	20.46
7	78.59	99.78	55.59	60.48	64.40	27.18	64.46	54.59	21.14	48.45	63.16	46.13	24.75	85.04	28.91	37.95	27.67	89.94	92.49	80.33	29.92	25.66	28.00	89.83	95.66
8	99.53	52.27	61.30	20.67	41.02	22.13	68.94	24.15	24.84	21.71	43.94	68.13	42.82	26.69	86.21	89.90	24.49	86.24	99.35	21.73	18.59	43.85	63.02	23.60	60.40
9	87.71	-51.19	40.44	-37.66	88.42	47.39	-77.86	36.03	-79.78	83.41	70.82	-84.53	96.95	-50.47	46.63	83.75	-11.88	76.56	-93.05	88.90	94.51	-48.85	98.38	-37.21	17.03
10	77.06	29.66	86.03	85.83	53.77	48.11	23.38	75.59	26.21	60.77	76.85	29.97	98.97	44.85	77.82	30.00	20.54	49.79	18.51	50.11	95.37	29.49	82.91	28.49	48.97
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	849.41	584.12	344.37	206.89	885.07	832.78	656.66	851.36	878.84	270.61	806.40	130.28	733.44	779.87	433.44	118.34	686.23	340.53	265.28	503.22	663.08	173.94	253.06	282.48	529.57
2	418.81	734.61	291.12	500.81	349.40	654.63	420.15	915.64	310.74	324.72	238.80	593.12	214.98	603.79	281.06	758.41	511.80	734.21	992.19	904.21	656.92	824.94	109.31	572.06	234.04
3	615.64	-939.64	414.58	-675.03	486.17	756.60	-204.80	260.87	-549.17	370.64	620.33	-360.74	407.33	-244.06	179.60	657.70	-457.59	490.67	-238.75	481.44	807.63	-208.05	921.07	-523.51	159.06
4	778.77	998.83	771.88	978.26	155.34	791.87	644.25	404.69	800.20	451.89	458.30	683.18	488.09	105.93	753.53	170.07	496.43	827.48	860.94	927.91	352.59	919.15	887.99	177.35	512.48
5	222.31	-767.16	160.69	-909.61	403.12	731.28	-789.43	653.45	-241.95	619.83	640.45	-558.68	466.16	-516.08	641.83	795.96	-919.95	942.24	-477.48	197.73	545.20	-798.27	249.33	-384.99	135.51
6	911.66	218.25	780.87	336.15	712.64	271.17	632.02	510.27	150.91	174.63	274.56	147.48	489.70	367.05	590.40	248.02	223.06	991.21	272.32	729.29	728.67	242.39	272.76	173.35	510.29
7	827.46	815.51	254.23	963.55	169.21	595.86	663.66	199.27	265.11	153.14	324.29	303.93	489.56	663.58	273.09	546.39	311.53	958.29	173.20	905.35	763.10	109.32	198.90	418.18	473.10
8	697.24	-315.89	251.20	-954.03	812.87	932.41	-709.30	147.62	-568.02	632.64	337.65	-759.79	447.30	-844.45	333.53	256.35	-596.48	433.84	-758.12	183.74	199.00	-679.43	374.94	-122.65	866.96
9	830.09	807.01	452.92	483.31	435.52	659.69	994.43	275.26	816.55	817.86	653.67	835.31	195.87	634.23	745.41	605.02	959.30	220.53	109.41	172.55	292.51	650.18	152.19	986.12	807.26
10	923.69	-950.56	338.58	-637.03	225.44	560.87	-841.66	818.01	-817.97	284.78	606.00	-723.17	903.50	-436.48	373.92	842.15	-211.58	989.17	-931.14	602.90	252.09	-813.47	298.08	-883.83	714.49
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**GRAND LEVEL 1 & 2**

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<b>K1, K2</b>	<b>300</b>	Data Entry Sign

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

101	78	X	98	=	
102	66	X	53	=	
103	95	X	39	=	
104	70	X	12	=	
105	36	X	40	=	
106	65	X	96	=	
107	98	X	46	=	
108	59	X	38	=	
109	95	X	37	=	
110	45	X	51	=	
111	898	X	58	=	
112	819	X	25	=	
113	929	X	88	=	
114	307	X	68	=	
115	850	X	47	=	
116	750	X	11	=	
117	426	X	24	=	
118	289	X	25	=	
119	714	X	52	=	
120	253	X	63	=	
121	298	X	95	=	
122	388	X	23	=	
123	795	X	73	=	
124	740	X	57	=	
125	600	X	42	=	

126	463	X	677	=	
127	385	X	696	=	
128	656	X	649	=	
129	209	X	189	=	
130	550	X	644	=	
131	136	X	475	=	
132	507	X	867	=	
133	496	X	103	=	
134	909	X	795	=	
135	451	X	266	=	
136	519	X	563	=	
137	514	X	365	=	
138	232	X	276	=	
139	325	X	116	=	
140	594	X	354	=	
141	1117	X	64	=	
142	8325	X	96	=	
143	9973	X	36	=	
144	4976	X	31	=	
145	2599	X	28	=	
146	8731	X	84	=	
147	5498	X	62	=	
148	5344	X	66	=	
149	5779	X	10	=	
150	2473	X	92	=	

151	3432	÷	66	=	
152	80655	÷	95	=	
153	517	÷	11	=	
154	32157	÷	81	=	
155	1584	÷	88	=	
156	7056	÷	98	=	
157	2816	÷	32	=	
158	5796	÷	92	=	
159	21780	÷	66	=	
160	43077	÷	83	=	
161	288	÷	12	=	
162	2812	÷	38	=	
163	3920	÷	80	=	
164	494	÷	38	=	
165	6586	÷	89	=	
166	37350	÷	50	=	
167	1938	÷	57	=	
168	3520	÷	64	=	
169	1628	÷	22	=	
170	2475	÷	75	=	
171	4560	÷	60	=	
172	1274	÷	26	=	
173	7161	÷	93	=	
174	1278	÷	18	=	
175	71158	÷	94	=	

176	33534	÷	69	=	
177	33320	÷	98	=	
178	59472	÷	84	=	
179	25024	÷	92	=	
180	49686	÷	98	=	
181	41932	÷	44	=	
182	372898	÷	94	=	
183	126391	÷	97	=	
184	638112	÷	96	=	
185	377208	÷	93	=	
186	114874	÷	38	=	
187	26832	÷	24	=	
188	356895	÷	77	=	
189	372898	÷	3967	=	
190	126391	÷	1303	=	
191	638112	÷	6647	=	
192	377208	÷	4056	=	
193	114874	÷	3023	=	
194	66748	÷	902	=	
195	48490	÷	746	=	
196	47088	÷	981	=	
197	43359	÷	447	=	
198	10292	÷	124	=	
199	23490	÷	810	=	
200	34830	÷	387	=	