

**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>K1, K2</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	7.24	9.09	5.99	7.20	7.62	5.16	8.40	6.12	3.19	9.54	2.35	9.55	8.22	7.86	5.96	5.07	6.43	7.75	7.15	6.00	1.61	1.73	3.15	3.16	4.72
2	2.00	-3.88	2.63	-5.88	9.70	2.75	-2.33	4.10	-2.10	6.16	3.05	-7.03	9.00	-7.65	1.79	1.05	-1.67	8.54	-3.21	8.01	7.69	-1.31	8.38	-1.12	6.08
3	1.29	2.04	6.45	1.94	5.01	1.94	9.59	2.08	1.66	1.72	6.86	4.25	2.76	5.62	6.72	6.19	6.64	8.00	6.09	3.94	9.94	8.26	7.66	8.97	6.21
4	9.36	9.84	6.45	7.66	9.41	3.20	2.12	2.55	4.52	1.94	8.62	9.31	5.62	7.82	9.60	4.25	1.09	1.31	7.97	9.71	1.91	5.76	7.09	2.12	3.83
5	7.21	-3.76	3.02	-8.25	4.46	6.93	-1.35	8.39	-2.01	4.07	5.98	-7.91	1.28	-3.35	8.18	9.62	-9.32	9.76	-1.68	4.41	2.23	-4.89	7.43	-5.76	2.83
6	7.70	5.51	2.78	8.95	2.97	6.38	5.16	6.85	4.27	9.02	5.42	3.95	5.50	3.09	8.21	1.02	4.76	2.95	1.64	6.20	2.25	9.56	3.18	9.06	9.45
7	5.56	6.47	7.51	3.37	4.10	2.51	4.37	3.44	1.48	9.04	7.28	3.78	7.47	3.84	4.50	3.70	9.23	7.70	3.93	4.31	3.20	4.57	2.58	3.17	5.21
8	6.70	-6.92	1.01	-9.73	5.71	5.36	-1.20	7.89	-6.33	6.53	5.08	-6.08	2.14	-7.91	3.39	3.68	-4.90	1.70	-1.26	8.03	3.54	-9.91	5.67	-3.71	8.81
9	5.00	1.74	1.40	3.18	1.06	9.04	2.04	2.34	4.05	2.91	7.68	6.71	9.03	3.16	4.63	1.68	1.37	3.41	9.55	4.41	1.37	6.51	9.92	5.65	2.31
10	2.13	-1.19	9.77	-4.94	4.87	3.53	-2.49	6.29	-4.98	3.91	2.35	-6.47	1.56	-5.71	6.65	2.07	-2.49	3.77	-8.06	5.59	3.97	-9.81	3.25	-6.60	6.12
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	8.50	5.39	7.59	1.52	9.65	7.81	4.75	9.59	5.22	5.45	1.97	3.33	2.28	6.92	9.97	1.52	5.78	5.02	4.62	4.65	9.95	1.28	9.20	4.52	2.09
2	55.73	89.90	34.49	82.50	98.16	40.11	10.90	99.74	70.90	40.05	47.32	97.19	27.56	29.35	59.22	72.62	83.81	48.36	94.72	46.38	45.55	76.57	18.58	63.79	65.04
3	9.58	-8.64	6.82	-1.75	7.46	5.45	-8.35	6.53	-7.43	6.50	9.21	-8.14	3.69	-6.42	8.88	9.92	-8.21	9.84	-6.42	4.21	9.34	-6.31	8.67	-1.77	3.17
4	23.01	25.36	98.59	88.66	16.02	12.24	16.65	74.43	60.35	17.09	64.94	68.49	22.49	95.64	45.10	70.39	32.32	56.99	30.23	86.13	16.31	82.20	18.13	53.76	98.86
5	25.76	57.50	34.56	15.89	56.29	40.58	96.06	98.82	40.08	74.19	66.74	57.39	41.58	37.50	12.92	43.40	93.01	29.30	30.38	79.65	64.83	83.03	58.12	21.54	12.72
6	7.43	-7.08	5.01	-5.45	2.15	8.79	-3.60	2.25	-5.73	9.02	2.48	-3.21	9.66	-3.09	5.37	7.64	-3.70	4.53	-6.04	5.48	5.77	-1.36	7.03	-4.23	5.49
7	89.97	10.66	10.01	21.92	19.23	37.94	58.09	74.97	18.04	59.49	96.70	97.88	16.48	93.11	25.25	25.35	68.56	57.63	75.57	76.63	85.45	12.00	13.87	21.88	98.52
8	9.33	-4.34	6.00	-6.66	7.00	6.34	-5.51	1.37	-9.29	7.14	8.18	-3.75	8.63	-2.11	4.81	5.12	-1.75	8.13	-2.35	9.61	6.74	-7.82	1.19	-6.43	8.12
9	39.17	23.26	92.62	41.19	73.44	85.30	26.60	38.73	14.31	90.69	36.34	27.26	45.42	67.69	49.12	35.05	56.53	92.92	81.26	91.89	32.87	49.91	53.83	33.23	79.68
10	1.31	-4.61	7.13	-3.31	8.52	1.16	-3.87	5.16	-3.14	6.44	7.73	-6.38	6.16	-9.31	1.15	5.09	-5.09	9.69	-1.74	9.36	8.16	-9.06	8.42	-7.97	1.38
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	73.64	88.15	49.30	82.78	10.26	41.98	94.88	69.36	73.79	31.21	49.63	89.89	68.18	67.79	17.68	99.67	23.98	70.99	90.14	35.31	54.34	82.09	45.06	78.74	62.69
2	44.11	-56.54	92.93	-64.29	93.69	88.59	-69.18	15.53	-51.22	72.51	63.08	-34.70	37.55	-41.57	43.75	16.18	-17.56	79.76	-63.90	79.27	85.03	-47.09	89.81	-31.47	39.35
3	48.55	85.27	42.18	70.24	34.60	10.38	89.48	39.24	88.96	79.98	88.96	99.40	58.28	54.61	93.11	43.77	92.33	44.18	90.67	47.63	49.87	61.55	54.14	89.78	80.08
4	79.54	-11.76	15.93	-82.80	37.65	77.02	-80.87	60.79	-60.03	85.35	32.02	-67.27	46.49	-71.71	29.26	84.05	-33.33	38.12	-70.58	83.65	24.00	-14.15	17.27	-92.16	40.11
5	28.08	31.14	84.59	38.27	73.05	60.49	34.19	49.94	90.80	70.33	22.59	99.65	60.03	93.61	97.48	60.88	68.75	96.55	57.07	56.64	17.49	95.31	13.90	42.46	20.31
6	74.82	-75.81	15.75	-29.27	97.57	71.74	-48.59	95.52	-25.97	39.05	46.06	-98.86	56.76	-72.66	54.70	56.71	-44.10	64.87	-88.33	91.39	13.76	-74.34	22.82	-21.15	88.20
7	26.87	55.26	30.19	73.46	98.75	57.35	61.71	26.58	19.88	41.27	96.96	99.08	38.91	18.13	51.76	82.15	92.62	15.91	84.20	75.38	21.66	71.57	39.00	50.71	10.91
8	45.81	40.90	84.96	41.16	90.34	59.35	95.29	69.35	94.24	11.31	69.65	54.28	12.34	33.25	21.33	51.47	85.22	94.21	92.05	10.64	47.22	91.23	13.47	81.95	37.99
9	88.06	-58.88	70.78	-11.61	12.05	36.28	-40.11	45.02	-79.78	75.47	17.29	-23.00	11.78	-45.19	89.73	23.48	-47.34	36.92	-99.04	87.53	64.58	-15.07	15.37	-27.84	47.95
10	40.99	29.61	39.80	46.51	11.91	38.59	85.88	70.47	76.72	67.06	31.66	68.25	46.14	11.86	15.03	56.87	88.15	30.31	25.83	45.69	84.76	64.50	70.62	43.22	53.91
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	919.35	965.08	226.35	348.77	674.21	512.07	977.18	487.04	850.24	540.61	700.29	537.59	933.60	570.54	646.02	767.08	345.77	226.95	796.10	681.66	796.87	757.76	921.23	334.82	964.52
2	512.09	593.47	464.81	860.70	831.47	343.88	884.83	435.12	868.28	860.97	552.49	616.85	710.12	879.12	776.88	894.07	903.66	950.80	623.10	171.74	704.20	585.36	207.95	380.59	430.40
3	213.96	-832.86	209.69	-613.78	166.49	782.48	-607.02	797.80	-836.30	798.07	368.10	-433.75	641.34	-251.07	466.43	979.96	-945.56	888.34	-319.61	289.04	613.66	-159.89	559.37	-132.50	522.54
4	886.82	884.78	212.97	581.71	209.75	508.34	123.79	382.74	134.58	935.97	723.45	987.82	309.07	960.94	645.15	390.46	116.90	767.18	266.32	518.27	809.64	158.08	539.10	252.91	895.57
5	376.60	-387.51	633.09	-915.15	928.73	174.51	-967.21	227.78	-526.46	843.45	194.56	-605.01	390.45	-497.89	285.60	848.26	-380.51	200.05	-111.28	955.97	392.36	-116.88	591.73	-132.01	471.85
6	250.90	597.58	951.63	946.83	444.30	538.52	424.54	336.85	609.36	551.20	338.46	333.96	586.37	656.09	778.19	425.78	350.53	362.00	339.91	260.46	400.94	324.14	177.15	167.48	725.63
7	590.81	831.29	153.05	624.55	423.81	177.69	983.54	345.78	128.80	156.12	128.85	849.32	197.19	668.12	327.38	584.19	576.64	388.27	307.20	212.95	898.75	520.14	334.71	761.49	710.21
8	301.41	-182.20	896.41	-866.90	575.31	810.35	-432.35	604.34	-634.84	600.60	710.16	-365.34	712.75	-690.88	792.70	904.74	-333.53	291.82	-414.49	401.35	253.41	-572.59	589.29	-421.90	937.47
9	722.42	342.16	867.28	232.06	244.48	430.63	452.19	491.31	517.41	758.18	852.54	824.71	390.77	389.85	876.77	649.46	825.95	577.82	458.85	767.29	488.93	912.63	737.56	882.06	556.45
10	969.73	-217.96	820.57	-903.64	584.76	108.77	-962.60	586.22	-886.36	706.17	335.24	-343.04	776.35	-359.93	628.25	814.97	-453.19	798.63	-745.84	869.78	552.66	-144.04	875.41	-671.14	966.02
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**GRAND LEVEL 1 & 2**

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<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	46	X	87	=	
102	90	X	37	=	
103	87	X	34	=	
104	35	X	28	=	
105	25	X	82	=	
106	60	X	58	=	
107	19	X	62	=	
108	90	X	98	=	
109	75	X	27	=	
110	79	X	96	=	
111	109	X	10	=	
112	837	X	51	=	
113	254	X	89	=	
114	963	X	58	=	
115	112	X	98	=	
116	553	X	14	=	
117	919	X	47	=	
118	419	X	52	=	
119	323	X	87	=	
120	405	X	12	=	
121	308	X	16	=	
122	286	X	34	=	
123	297	X	20	=	
124	616	X	67	=	
125	781	X	30	=	

126	250	X	358	=	
127	482	X	789	=	
128	364	X	118	=	
129	290	X	645	=	
130	882	X	777	=	
131	889	X	259	=	
132	381	X	877	=	
133	157	X	240	=	
134	818	X	503	=	
135	785	X	323	=	
136	592	X	468	=	
137	785	X	663	=	
138	535	X	577	=	
139	545	X	562	=	
140	264	X	342	=	
141	3277	X	22	=	
142	8106	X	95	=	
143	7886	X	66	=	
144	6090	X	44	=	
145	2182	X	10	=	
146	7064	X	59	=	
147	1242	X	62	=	
148	4742	X	27	=	
149	4935	X	79	=	
150	6759	X	19	=	

151	3330	÷	90	=	
152	9200	÷	46	=	
153	3071	÷	83	=	
154	24325	÷	25	=	
155	913	÷	11	=	
156	2736	÷	72	=	
157	4896	÷	72	=	
158	1944	÷	54	=	
159	7242	÷	17	=	
160	74545	÷	85	=	
161	1980	÷	30	=	
162	7296	÷	76	=	
163	3588	÷	78	=	
164	520	÷	52	=	
165	418	÷	38	=	
166	24850	÷	70	=	
167	3360	÷	42	=	
168	774	÷	18	=	
169	2600	÷	52	=	
170	1344	÷	42	=	
171	750	÷	10	=	
172	861	÷	41	=	
173	6688	÷	76	=	
174	6720	÷	80	=	
175	27376	÷	58	=	

176	16080	÷	67	=	
177	5559	÷	17	=	
178	58779	÷	63	=	
179	4140	÷	20	=	
180	50666	÷	77	=	
181	6875	÷	11	=	
182	514872	÷	72	=	
183	96288	÷	24	=	
184	473433	÷	51	=	
185	183126	÷	69	=	
186	618856	÷	86	=	
187	368604	÷	54	=	
188	281149	÷	61	=	
189	514872	÷	7151	=	
190	96288	÷	4012	=	
191	473433	÷	9283	=	
192	183126	÷	2654	=	
193	618856	÷	7196	=	
194	15840	÷	240	=	
195	9888	÷	206	=	
196	30287	÷	977	=	
197	6534	÷	242	=	
198	3744	÷	312	=	
199	43016	÷	566	=	
200	6942	÷	267	=	