

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

GROUP	TOTAL MARKS		Paper corrector Sign
K1, K2		300	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	8.05	4.35	9.82	6.06	6.92	8.09	6.62	7.52	1.93	5.39	8.78	3.89	1.91	7.95	2.82	2.32	8.39	5.42	8.39	7.86	3.99	7.31	3.67	8.76	7.42
2	3.30	-2.69	2.13	-1.80	6.08	9.60	-3.43	9.83	-1.57	3.07	9.50	-3.74	7.09	-5.22	6.47	2.46	-3.08	3.52	-6.36	7.67	7.22	-1.10	2.65	-1.83	5.80
3	3.09	6.83	1.97	3.50	2.13	4.83	4.45	8.01	8.34	9.18	1.43	2.41	5.23	5.35	8.60	3.94	2.99	9.63	9.77	4.98	7.04	7.72	9.24	2.69	9.45
4	8.24	9.82	1.86	8.58	8.06	1.27	3.95	8.81	1.92	4.07	6.79	6.63	7.42	1.61	5.12	6.72	5.71	5.24	9.26	4.30	3.20	9.82	7.50	5.32	8.27
5	5.60	-5.83	7.94	-5.01	3.01	4.25	-3.97	6.35	-3.68	1.71	4.00	-8.49	5.91	-6.57	6.27	9.88	-9.88	2.98	-3.56	7.28	9.32	-6.87	7.57	-1.46	8.98
6	3.80	2.30	5.65	7.15	4.11	4.32	7.78	2.12	5.31	5.09	3.43	3.80	1.48	5.36	5.37	1.37	9.34	3.75	3.55	8.44	8.86	5.07	2.01	4.85	8.02
7	6.34	7.05	9.10	1.07	6.43	1.32	4.42	4.02	8.38	5.48	2.16	7.85	5.11	1.17	4.37	7.72	8.28	5.45	9.32	7.82	5.50	8.08	7.19	7.47	2.32
8	4.49	-5.30	1.68	-4.25	2.29	9.17	-3.21	5.36	-6.22	1.38	5.36	-2.72	6.91	-9.65	6.72	5.10	-9.95	3.57	-3.47	9.51	9.04	-1.22	9.86	-5.66	6.37
9	1.18	6.20	1.05	1.12	1.22	8.75	1.93	2.16	6.69	8.41	8.25	3.19	3.38	7.11	1.05	5.84	2.11	7.97	8.64	6.68	8.47	3.45	5.19	3.62	5.85
10	3.38	-7.00	5.77	-8.70	6.07	7.54	-1.90	6.45	-4.73	9.30	2.09	-1.00	5.53	-4.01	6.58	6.40	-2.08	9.18	-9.44	3.39	8.68	-6.23	6.34	-9.06	1.14
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	2.18	6.20	9.75	4.07	2.42	7.43	7.71	5.25	1.06	8.79	2.92	8.75	2.78	6.72	6.37	6.49	5.63	6.55	4.38	2.17	9.88	3.03	8.59	9.73	4.33
2	75.09	80.23	54.55	32.25	48.95	72.12	93.38	38.36	54.14	37.79	53.20	86.53	25.29	96.98	39.33	16.60	63.82	91.10	38.35	77.58	35.23	50.99	72.38	86.42	62.30
3	4.16	-6.01	5.80	-7.80	6.45	6.58	-7.61	9.25	-4.30	3.66	9.52	-9.65	3.96	-2.53	2.60	6.70	-6.93	5.34	-9.84	6.71	1.53	-4.82	3.24	-3.12	6.03
4	72.88	33.55	57.94	32.04	58.00	50.00	27.66	47.45	27.69	61.81	71.70	17.36	15.19	24.40	49.48	81.08	97.88	65.86	51.17	49.57	27.15	75.49	28.34	72.65	30.65
5	68.34	53.18	44.01	70.41	18.66	60.92	40.68	94.81	11.41	50.61	31.31	36.71	94.48	84.25	45.33	77.19	28.77	99.59	80.73	63.43	17.26	65.93	69.14	45.13	18.26
6	7.87	-5.68	7.80	-9.08	3.82	1.98	-7.79	5.32	-6.21	4.28	7.52	-2.01	1.36	-6.52	7.87	8.12	-9.11	2.75	-9.85	6.49	5.43	-3.03	8.10	-3.44	8.43
7	74.13	32.51	61.12	22.19	21.58	72.55	68.96	95.87	11.33	94.38	56.84	74.56	72.17	84.83	67.42	41.28	85.56	60.45	57.44	60.47	27.80	54.22	64.07	25.47	86.16
8	4.75	-7.24	3.07	-4.20	7.46	5.29	-5.18	9.61	-7.91	5.18	3.61	-4.88	3.81	-6.50	9.89	3.64	-4.69	7.81	-4.80	4.55	7.27	-6.80	5.30	-5.73	5.98
9	40.25	91.37	22.10	85.37	58.52	95.55	72.41	65.03	11.05	63.08	73.12	67.92	47.19	47.09	28.55	59.50	31.07	75.46	41.46	79.59	13.77	79.47	19.03	31.71	83.14
10	4.76	-4.03	2.67	-2.36	3.21	7.83	-5.25	8.61	-7.36	8.03	7.69	-2.16	2.35	-3.47	2.65	7.15	-1.81	8.41	-2.48	2.65	4.75	-3.82	9.16	-9.56	8.44
Ans																									

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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	84.53	73.52	66.70	81.67	55.58	43.62	86.10	17.07	93.54	27.95	59.99	74.11	13.90	85.54	34.29	28.06	61.95	34.44	88.60	27.15	43.91	99.91	63.03	84.87	37.27
2	53.88	-30.76	28.52	-27.79	14.61	51.59	-34.83	44.66	-78.22	38.27	48.03	-36.07	43.74	-19.00	13.69	18.97	-13.42	80.23	-37.40	97.08	80.17	-12.23	64.21	-68.19	73.34
3	60.69	45.37	80.85	29.20	11.24	37.62	42.78	25.71	52.95	33.61	29.77	58.80	87.89	24.70	95.91	80.89	62.25	94.62	49.88	25.46	49.16	76.57	57.25	89.93	42.98
4	42.57	-21.98	37.35	-27.60	79.51	66.58	-45.86	87.96	-21.84	75.57	61.35	-11.66	88.77	-21.21	97.34	78.07	-20.46	18.06	-25.14	22.65	83.22	-68.99	15.24	-14.00	52.42
5	39.35	92.67	46.71	18.87	32.13	57.98	17.64	14.36	47.76	85.11	53.06	39.34	62.98	75.21	40.65	27.09	28.63	72.32	33.09	93.47	84.79	47.33	99.31	20.78	83.45
6	13.67	-53.41	83.92	-12.49	56.42	90.80	-63.65	47.52	-76.64	72.11	37.98	-89.44	69.20	-69.52	92.27	60.22	-35.10	92.65	-22.45	25.75	78.21	-59.86	34.82	-72.83	99.20
7	11.09	29.63	40.78	78.72	83.94	55.64	58.46	55.38	46.99	58.57	84.90	74.07	55.82	17.04	39.66	44.61	74.56	61.68	31.62	59.02	75.45	16.49	19.48	31.38	34.76
8	94.54	25.01	71.64	70.67	99.54	78.10	74.88	86.68	94.32	93.70	23.53	92.27	74.53	85.00	20.10	36.99	43.92	36.38	21.67	35.73	55.61	23.28	78.82	76.02	71.45
9	16.42	-58.63	44.17	-57.31	90.18	29.15	-84.95	47.50	-49.01	44.18	76.35	-70.76	99.57	-53.92	42.84	82.59	-69.54	11.32	-60.75	95.44	36.34	-74.80	80.24	-18.08	65.64
10	65.96	72.85	83.15	46.80	90.33	92.58	51.14	62.74	69.29	86.98	81.08	97.86	90.34	95.61	76.85	29.44	51.01	46.28	90.21	98.60	99.95	58.94	49.54	93.36	57.20
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	837.78	929.05	275.35	252.27	727.93	125.67	872.12	564.33	643.54	362.19	356.57	328.20	167.01	501.56	210.52	220.75	559.00	949.90	998.57	162.57	740.90	612.28	473.40	503.26	897.81
2	992.86	919.04	941.10	821.44	699.92	765.18	871.54	262.37	848.61	601.97	917.06	372.32	446.37	657.66	785.08	246.22	670.28	124.53	975.70	313.31	192.06	589.94	165.53	830.66	133.97
3	369.80	-497.48	679.63	-761.60	191.06	326.03	-957.38	463.76	-170.94	639.09	880.40	-241.67	404.31	-906.93	568.01	840.35	-707.95	745.64	-206.88	736.43	815.25	-204.27	456.93	-416.17	201.56
4	406.18	585.68	700.46	216.84	290.02	974.13	166.29	566.83	535.08	677.09	949.67	572.25	561.19	200.15	468.14	590.07	999.18	341.04	694.38	384.82	834.38	863.10	298.10	800.23	989.27
5	114.16	-644.24	397.53	-367.70	394.75	531.60	-483.99	554.63	-118.04	958.76	582.73	-833.34	842.19	-116.15	714.74	513.37	-656.51	497.45	-582.48	655.15	454.59	-549.90	372.21	-595.02	998.49
6	582.56	117.82	621.36	934.16	619.49	672.61	466.42	543.93	636.74	895.49	304.72	285.33	613.06	624.95	752.72	919.85	260.20	444.10	185.10	791.35	929.89	493.41	625.75	563.48	322.57
7	569.06	893.06	823.46	171.42	297.22	153.06	806.24	886.67	996.60	933.86	944.02	942.30	752.60	296.87	949.18	690.01	715.85	425.24	820.19	859.96	989.95	669.85	631.27	518.30	188.83
8	428.24	-248.19	240.17	-268.45	601.92	370.01	-444.15	220.29	-412.89	991.85	904.08	-976.36	796.23	-779.86	497.30	154.48	-367.49	512.31	-754.86	966.30	570.66	-963.36	735.07	-117.00	493.31
9	213.43	233.99	289.75	194.62	492.85	538.03	402.09	852.66	845.18	242.35	508.80	428.08	122.36	553.40	934.21	204.91	100.54	778.40	324.79	779.51	689.64	483.10	906.35	400.19	713.82
10	913.40	-441.77	235.66	-833.11	148.76	896.13	-482.06	299.57	-298.60	786.17	483.66	-204.96	341.70	-209.03	298.44	615.87	-506.25	142.00	-511.93	436.96	318.14	-216.78	913.19	-906.51	419.18
Ans																									

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GRAND LEVEL 1 & 2

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GROUP	TOTAL MARKS	Paper corrector Sign
K1, K2	300	Data Entry Sign

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

101	75	X	79	=	
102	66	X	41	=	
103	20	X	36	=	
104	67	X	47	=	
105	69	X	64	=	
106	83	X	93	=	
107	68	X	80	=	
108	68	X	67	=	
109	81	X	34	=	
110	13	X	67	=	
111	135	X	31	=	
112	681	X	84	=	
113	611	X	84	=	
114	882	X	30	=	
115	931	X	66	=	
116	691	X	98	=	
117	648	X	26	=	
118	882	X	88	=	
119	341	X	67	=	
120	441	X	18	=	
121	332	X	91	=	
122	568	X	33	=	
123	368	X	84	=	
124	715	X	26	=	
125	744	X	24	=	

126	944	X	670	=	
127	114	X	879	=	
128	618	X	913	=	
129	912	X	850	=	
130	171	X	873	=	
131	996	X	569	=	
132	322	X	303	=	
133	599	X	776	=	
134	132	X	354	=	
135	508	X	227	=	
136	791	X	443	=	
137	409	X	139	=	
138	989	X	230	=	
139	363	X	164	=	
140	427	X	892	=	
141	4557	X	70	=	
142	2647	X	51	=	
143	1888	X	42	=	
144	1494	X	42	=	
145	1213	X	94	=	
146	4077	X	77	=	
147	6402	X	84	=	
148	4781	X	52	=	
149	4456	X	54	=	
150	6953	X	39	=	

151	3243	÷	69	=	
152	7014	÷	42	=	
153	2376	÷	27	=	
154	7038	÷	18	=	
155	154	÷	11	=	
156	3726	÷	46	=	
157	2730	÷	70	=	
158	1960	÷	20	=	
159	7290	÷	45	=	
160	20580	÷	84	=	
161	5264	÷	94	=	
162	5487	÷	59	=	
163	6164	÷	67	=	
164	170	÷	10	=	
165	2255	÷	55	=	
166	56736	÷	72	=	
167	1050	÷	15	=	
168	798	÷	38	=	
169	5340	÷	89	=	
170	7452	÷	81	=	
171	1736	÷	56	=	
172	6636	÷	84	=	
173	1218	÷	87	=	
174	8075	÷	85	=	
175	7645	÷	11	=	

176	14406	÷	21	=	
177	12840	÷	60	=	
178	29104	÷	68	=	
179	8214	÷	74	=	
180	44100	÷	90	=	
181	69360	÷	80	=	
182	79275	÷	25	=	
183	532476	÷	84	=	
184	501520	÷	80	=	
185	108133	÷	71	=	
186	156288	÷	66	=	
187	99428	÷	67	=	
188	145638	÷	62	=	
189	79275	÷	3171	=	
190	532476	÷	6339	=	
191	501520	÷	6269	=	
192	108133	÷	1523	=	
193	156288	÷	2368	=	
194	8342	÷	194	=	
195	23940	÷	252	=	
196	16790	÷	730	=	
197	11165	÷	145	=	
198	2808	÷	156	=	
199	72226	÷	737	=	
200	53770	÷	566	=	