

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

GROUP	TOTAL MARKS		Paper corrector Sign
H1, H2, H3		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	47	15	14	24	87	32	66	28	54	59	52	91	87	77	56	12	91	33	39	38	16	10	65	95	92
2	51	80	91	57	48	52	98	33	47	68	27	-49	60	11	50	82	78	37	53	51	74	72	43	-59	68
3	92	-14	95	41	73	43	66	34	-46	24	86	86	40	-14	91	67	-62	92	-45	50	36	-54	84	75	14
4	76	66	49	-34	86	23	-98	90	66	91	42	82	41	68	72	82	49	53	48	91	94	70	75	92	10
5	90	-75	82	81	73	85	75	55	-12	82	58	88	53	-26	15	74	-70	52	-30	27	19	-88	89	-26	90
6	11	21	26	-10	71	44	-13	98	61	97	41	-55	15	38	32	47	56	68	58	57	76	73	82	14	51
7	63	33	82	98	80	81	65	59	93	36	66	10	16	-69	53	11	-57	24	23	42	21	86	13	93	78
8	91	-60	20	-43	38	68	-77	11	-42	58	61	-57	74	57	42	40	34	30	-66	18	99	-72	79	-57	82
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	79	70	53	28	18	92	97	78	97	54	95	67	40	53	60	55	38	55	29	83	59	77	50	36	10
2	79	-50	21	15	19	69	29	24	-83	28	50	-41	86	70	69	27	18	49	-26	76	22	-28	35	53	15
3	21	41	98	97	59	13	35	74	17	96	55	95	65	55	29	64	-14	55	76	17	24	19	76	97	76
4	26	61	70	-93	48	29	-39	53	-14	28	45	-68	22	-13	26	70	51	94	-50	43	90	32	74	-13	39
5	15	16	81	51	18	22	51	87	32	47	60	98	13	86	82	51	80	21	23	55	74	-30	25	22	24
6	98	36	17	-44	47	75	-49	90	98	71	77	-85	19	-84	14	36	85	77	72	36	91	36	36	-20	62
7	53	-85	71	13	95	87	84	70	76	20	56	24	14	58	90	71	-61	37	-57	78	35	-55	41	81	57
8	49	33	26	99	56	92	43	47	85	40	90	27	53	-69	80	55	91	60	35	54	63	36	20	69	31
9	64	-82	72	-82	38	86	-60	90	-91	59	70	11	38	98	32	14	-81	53	28	84	79	68	47	-40	91
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	7.96	1.76	8.22	6.20	7.44	3.41	5.81	7.46	8.02	6.35	7.08	4.17	5.66	4.66	3.29	5.78	6.21	5.17	1.93	6.50	7.47	7.69	9.71	8.08	7.46
2	.50	-.87	.93	-.85	.54	.95	-.15	.16	-.76	.16	.60	-.48	.62	-.71	.26	.86	-.23	.77	-.95	.59	.25	-.83	.71	-.74	.64
3	1.82	9.01	4.21	5.32	1.96	5.01	7.30	5.78	8.42	5.95	2.33	5.14	8.53	3.48	9.75	1.31	6.43	2.31	5.43	8.98	1.22	9.80	1.28	1.73	2.39
4	.18	-.47	.19	-.53	.42	.11	-.60	.78	-.66	.17	.17	-.80	.70	-.91	.38	.31	-.70	.89	-.15	.64	.80	-.14	.93	-.76	.83
5	5.61	9.54	4.45	1.62	5.35	1.63	3.79	7.31	2.71	5.06	9.06	9.58	6.22	7.65	8.96	8.54	4.89	8.43	5.10	7.29	7.09	1.83	2.27	9.32	1.75
6	.47	.28	.91	.28	.89	.81	.99	.70	.12	.65	.56	.73	.15	.32	.39	.19	.73	.74	.91	.42	.92	.44	.75	.62	.96
7	8.77	3.39	5.70	2.01	1.62	4.64	4.30	3.78	6.62	7.91	7.12	6.61	7.12	2.53	7.19	1.11	8.80	4.08	8.43	5.31	2.38	7.21	5.41	8.49	1.10
8	.97	-.34	.61	-.68	.35	.92	-.47	.93	-.50	.14	.58	-.58	.63	-.76	.97	.41	-.43	.34	-.72	.99	.55	-.92	.16	-.62	.78
9	5.75	-6.67	4.20	-6.83	6.15	3.98	-5.23	9.88	-3.73	9.99	6.85	-3.02	7.34	-9.64	7.47	6.30	-1.67	9.87	-9.09	3.30	5.34	-7.54	4.57	-3.83	9.37
10	.69	.63	.22	.55	.42	.49	.68	.79	.26	.96	.27	.59	.33	.72	.65	.81	.76	.57	.80	.75	.91	.11	.23	.86	.62
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	3.71	8.96	7.02	9.61	3.09	6.95	8.12	2.86	7.27	3.78	3.00	3.71	1.01	5.11	2.00	2.29	6.79	2.64	6.85	8.42	3.35	3.96	2.18	8.37	1.85
2	7.27	-5.57	6.69	-8.62	3.78	7.17	-8.03	6.37	-2.09	4.07	6.37	-3.52	3.81	-3.32	3.41	2.73	-5.57	8.29	-5.51	2.82	6.29	-3.02	1.64	-4.92	6.67
3	4.72	2.59	2.61	2.08	2.61	6.52	7.19	2.06	8.84	6.49	7.03	9.81	1.45	1.77	2.79	7.12	8.57	9.95	1.06	8.17	4.33	3.84	6.18	4.43	3.77
4	3.16	7.69	2.50	2.38	7.37	1.17	3.51	2.48	9.90	9.08	8.17	4.76	1.09	8.64	9.00	7.74	3.25	2.58	7.80	1.17	7.03	2.32	3.44	6.41	6.45
5	7.96	-7.78	5.56	-4.89	4.56	7.10	-7.87	2.16	-2.97	2.69	6.08	-2.66	1.41	-1.07	3.81	6.69	-3.10	6.53	-4.65	7.99	1.15	-1.24	9.99	-5.18	2.32
6	3.94	3.52	1.15	6.78	4.97	7.82	9.74	2.03	7.52	5.85	3.23	6.15	8.95	6.61	7.74	6.80	4.10	8.14	7.30	9.26	7.05	2.80	1.60	3.14	9.18
7	6.75	9.74	6.31	3.78	2.42	3.56	1.44	9.70	8.30	7.82	9.30	5.75	5.28	2.71	7.78	8.28	7.88	5.13	3.43	2.70	3.78	4.86	1.42	1.12	4.66
8	5.25	-3.45	5.47	-2.00	8.99	6.36	-6.90	7.04	-2.59	5.31	7.01	-7.61	6.07	-2.69	5.34	2.36	-4.91	8.10	-6.78	5.30	5.78	-9.40	7.66	-8.56	7.75
9	6.45	7.12	1.75	3.15	7.74	4.79	5.52	7.36	9.01	6.55	3.86	6.26	2.31	3.57	1.07	3.76	1.68	1.01	9.67	7.70	6.95	5.86	2.79	6.26	6.81
10	5.39	-2.91	8.56	-4.93	9.54	4.20	-4.57	4.05	-3.29	9.85	2.29	-6.10	6.00	-2.39	5.35	3.10	-8.92	2.76	-6.57	3.05	3.84	-3.66	9.07	-6.58	8.83
Ans																									

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GROUP	TOTAL MARKS	Paper corrector Sign
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Chennai Trade Centre, Convention Hall (25/8/2012)

101	9416 X 9 =
102	3400 X 5 =
103	3805 X 4 =
104	8750 X 8 =
105	7361 X 9 =
106	1418 X 9 =
107	6152 X 7 =
108	9313 X 9 =
109	2119 X 9 =
110	7000 X 2 =
111	8917 X 4 =
112	3521 X 4 =
113	4577 X 3 =
114	6017 X 3 =
115	5102 X 9 =
116	7600 X 4 =
117	4306 X 7 =
118	9468 X 7 =
119	5420 X 7 =
120	4207 X 7 =
121	6499 X 8 =
122	2178 X 4 =
123	9821 X 9 =
124	8355 X 5 =
125	5616 X 5 =

126	726 X 60 =
127	776 X 69 =
128	835 X 11 =
129	170 X 51 =
130	755 X 35 =
131	276 X 13 =
132	324 X 65 =
133	920 X 81 =
134	660 X 14 =
135	169 X 99 =
136	961 X 11 =
137	170 X 30 =
138	715 X 59 =
139	149 X 81 =
140	396 X 17 =
141	244 X 66 =
142	187 X 18 =
143	585 X 43 =
144	209 X 60 =
145	457 X 42 =
146	113 X 52 =
147	417 X 35 =
148	363 X 20 =
149	868 X 21 =
150	757 X 86 =

151	350 ÷ 35 =
152	4029 ÷ 79 =
153	3471 ÷ 39 =
154	1008 ÷ 28 =
155	8514 ÷ 99 =
156	4050 ÷ 81 =
157	728 ÷ 28 =
158	2064 ÷ 24 =
159	559 ÷ 13 =
160	840 ÷ 20 =
161	1425 ÷ 57 =
162	2871 ÷ 33 =
163	380 ÷ 38 =
164	2822 ÷ 83 =
165	2640 ÷ 80 =
166	1780 ÷ 89 =
167	5925 ÷ 75 =
168	996 ÷ 83 =
169	5244 ÷ 76 =
170	468 ÷ 13 =
171	1102 ÷ 38 =
172	7371 ÷ 81 =
173	693 ÷ 33 =
174	3696 ÷ 44 =
175	1034 ÷ 11 =

176	6270 ÷ 95 =
177	374 ÷ 34 =
178	3685 ÷ 55 =
179	8740 ÷ 95 =
180	928 ÷ 32 =
181	637 ÷ 13 =
182	4536 ÷ 63 =
183	1632 ÷ 24 =
184	3195 ÷ 45 =
185	2829 ÷ 69 =
186	715 ÷ 55 =
187	5859 ÷ 93 =
188	3626 ÷ 98 =
189	5841 ÷ 99 =
190	7350 ÷ 75 =
191	4704 ÷ 49 =
192	5568 ÷ 58 =
193	1716 ÷ 33 =
194	3015 ÷ 45 =
195	1246 ÷ 14 =
196	4144 ÷ 74 =
197	5250 ÷ 70 =
198	1316 ÷ 47 =
199	3570 ÷ 42 =
200	4550 ÷ 70 =