

On Abacus

No	A					No	B					No	C					No	D				
A	1	X	4	=	4	A	3	X	4	=	12	A	4	X	4	=	16	A	4	X	9	=	36
B		X		=	8	B		X		=	16	B		X		=	8	B		X		=	8
C		X		=	12	C		X		=	24	C		X		=	36	C		X		=	32
D		X		=	16	D		X		=	28	D		X		=	28	D		X		=	24
E		X		=	20	E		X		=	16	E		X		=	24	E		X		=	6
F		X		=	24	F		X		=	32	F		X		=	32	F		X		=	28
G		X		=	28	G		X		=	8	G		X		=	12	G		X		=	20
H		X		=	32	H		X		=	36	H		X		=	24	H		X		=	32
I		X		=	36	I		X		=	8	I		X		=	4	I		X		=	12
J		X		=	0	J		X		=	4	J		X		=	12	J		X		=	16
K		X		=	32	K		X		=	0	K		X		=	20	K		X		=	36
L		X		=	20	L		X		=	12	L		X		=	28	L		X		=	8
M		X		=	4	M		X		=	20	M		X		=	16	M		X		=	24
N		X		=	36	N		X		=	28	N		X		=	32	N		X		=	16
O		X		=	8	O		X		=	16	O		X		=	20	O		X		=	0

On Abacus

No	A					No	B					No	C					No	D				
A	15	X	4	=	60	A	56	X	4	=	224	A	82	X	4	=	328	A	22	X	4	=	88
B		X		=	196	B		X		=	72	B		X		=	384	B		X		=	336
C		X		=	268	C		X		=	308	C		X		=	136	C		X		=	252
D		X		=	356	D		X		=	60	D		X		=	272	D		X		=	204
E		X		=	388	E		X		=	180	E		X		=	68	E		X		=	224
F		X		=	56	F		X		=	244	F		X		=	300	F		X		=	152
G		X		=	288	G		X		=	276	G		X		=	320	G		X		=	392
H		X		=	92	H		X		=	104	H		X		=	256	H		X		=	296
I		X		=	396	I		X		=	240	I		X		=	100	I		X		=	368
J		X		=	116	J		X		=	184	J		X		=	236	J		X		=	76

**Mental**

No	A					No	B					No	C					No	D				
A	55	X	5	=	275	A	42	X	3	=	126	A	75	X	3	=	225	A	38	X	2	=	76
B		X		=	246	B		X		=	74	B		X		=	190	B		X		=	325
C		X		=	150	C		X		=	140	C		X		=	240	C		X		=	171
D		X		=	170	D		X		=	168	D		X		=	40	D		X		=	156
E		X		=	198	E		X		=	192	E		X		=	420	E		X		=	76
F		X		=	150	F		X		=	141	F		X		=	166	F		X		=	147
G		X		=	125	G		X		=	216	G		X		=	57	G		X		=	290
H		X		=	204	H		X		=	285	H		X		=	80	H		X		=	129
I		X		=	108	I		X		=	138	I		X		=	46	I		X		=	136
J		X		=	174	J		X		=	225	J		X		=	81	J		X		=	145

On Abacus

Time Taken:

Score:

A	B	C	D	E	F	G	H	I	J
73	98	86	83	56	92	71	35	79	57
225	305	399	267	332	169	241	213	192	178

A	B	C	D	E	F	G	H	I	J
41	61	71	62	82	12	75	96	99	27
152	149	429	395	214	178	148	442	268	165

On Abacus

No	A					No	B					No	C					No	D				
A	93	X	4	=	372	A	90	X	4	=	360	A	36	X	4	=	144	A	39	X	4	=	156
B		X		=	48	B		X		=	244	B		X		=	280	B		X		=	212
C		X		=	296	C		X		=	120	C		X		=	340	C		X		=	388
D		X		=	64	D		X		=	104	D		X		=	80	D		X		=	324
E		X		=	348	E		X		=	216	E		X		=	220	E		X		=	236
F		X		=	100	F		X		=	68	F		X		=	300	F		X		=	336
G		X		=	260	G		X		=	300	G		X		=	160	G		X		=	244
H		X		=	76	H		X		=	180	H		X		=	344	H		X		=	40
I		X		=	288	I		X		=	152	I		X		=	204	I		X		=	268
J		X		=	176	J		X		=	148	J		X		=	188	J		X		=	352

<b>Mental</b>									
<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>F</b>	<b>G</b>	<b>H</b>	<b>I</b>	<b>J</b>
6	5	8	3	2	3	7	2	5	3
30	38	41	42	33	33	46	39	48	38
<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>F</b>	<b>G</b>	<b>H</b>	<b>I</b>	<b>J</b>
83	85	92	27	76	37	22	64	78	56
171	114	112	119	210	154	122	58	243	82
<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>F</b>	<b>G</b>	<b>H</b>	<b>I</b>	<b>J</b>
59	44	33	87	69	48	37	49	38	59
76	207	197	243	225	201	172	19	7	87
				6					

<b>Mental</b>									
<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>F</b>	<b>G</b>	<b>H</b>	<b>I</b>	<b>J</b>
6	4	2	6	2	6	8	2	3	2
17	15	11	23	41	24	28	20	12	13
<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>F</b>	<b>G</b>	<b>H</b>	<b>I</b>	<b>J</b>
89	29	82	92	29	18	38	61	56	61
52	127	198	67	103	129	156	58	40	184
<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>F</b>	<b>G</b>	<b>H</b>	<b>I</b>	<b>J</b>
28	71	37	69	29	92	39	88	57	75
95	187	66	147	115	111	145	114	130	199
				7					

**Mental**

No	A					No	B					No	C					No	D				
A	45	X	2	=	90	A	73	X	5	=	365	A	55	X	5	=	275	A	88	X	2	=	176
B		X		=	156	B		X		=	405	B		X		=	258	B		X		=	246
C		X		=	240	C		X		=	124	C		X		=	150	C		X		=	189
D		X		=	225	D		X		=	405	D		X		=	174	D		X		=	320
E		X		=	98	E		X		=	261	E		X		=	430	E		X		=	184
F		X		=	280	F		X		=	128	F		X		=	255	F		X		=	465
G		X		=	82	G		X		=	297	G		X		=	186	G		X		=	360
H		X		=	222	H		X		=	295	H		X		=	94	H		X		=	288
I		X		=	111	I		X		=	198	I		X		=	144	I		X		=	485
J		X		=	74	J		X		=	225	J		X		=	210	J		X		=	155



**On Abacus**

**Time Taken:**

**Score:**

<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>F</b>	<b>G</b>	<b>H</b>	<b>I</b>	<b>J</b>
70	24	71	63	85	68	75	30	82	49
264	111	293	169	439	37	140	420	208	307

<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>F</b>	<b>G</b>	<b>H</b>	<b>I</b>	<b>J</b>
59	69	79	61	63	79	52	71	42	66
437	183	266	263	237	220	183	254	102	129

On Abacus

<b>No</b>						<b>No</b>						<b>No</b>						<b>No</b>					
<b>A</b>	1	X	7	=	7	<b>A</b>	5	X	7	=	35	<b>A</b>	7	X	3	=	21	<b>A</b>	7	X	6	=	42
<b>B</b>		X		=	14	<b>B</b>		X		=	28	<b>B</b>		X		=	49	<b>B</b>		X		=	7
<b>C</b>		X		=	21	<b>C</b>		X		=	21	<b>C</b>		X		=	63	<b>C</b>		X		=	28
<b>D</b>		X		=	28	<b>D</b>		X		=	49	<b>D</b>		X		=	7	<b>D</b>		X		=	35
<b>E</b>		X		=	35	<b>E</b>		X		=	42	<b>E</b>		X		=	35	<b>E</b>		X		=	63
<b>F</b>		X		=	42	<b>F</b>		X		=	56	<b>F</b>		X		=	56	<b>F</b>		X		=	21
<b>G</b>		X		=	49	<b>G</b>		X		=	7	<b>G</b>		X		=	7	<b>G</b>		X		=	28
<b>H</b>		X		=	56	<b>H</b>		X		=	0	<b>H</b>		X		=	0	<b>H</b>		X		=	56
<b>I</b>		X		=	63	<b>I</b>		X		=	63	<b>I</b>		X		=	63	<b>I</b>		X		=	14
<b>J</b>		X		=	0	<b>J</b>		X		=	14	<b>J</b>		X		=	14	<b>J</b>		X		=	0
<b>K</b>		X		=	14	<b>K</b>		X		=	35	<b>K</b>		X		=	35	<b>K</b>		X		=	63
<b>L</b>		X		=	63	<b>L</b>		X		=	56	<b>L</b>		X		=	56	<b>L</b>		X		=	42
<b>M</b>		X		=	7	<b>M</b>		X		=	21	<b>M</b>		X		=	21	<b>M</b>		X		=	49
<b>N</b>		X		=	42	<b>N</b>		X		=	49	<b>N</b>		X		=	49	<b>N</b>		X		=	28
<b>O</b>		X		=	21	<b>O</b>		X		=	42	<b>O</b>		X		=	42	<b>O</b>		X		=	14

On Abacus

No	A					No	B					No	C					No	D				
<b>A</b>	12	X	7	=	84	<b>A</b>	27	X	7	=	189	<b>A</b>	28	X	7	=	196	<b>A</b>	18	X	7	=	126
<b>B</b>		X		=	280	<b>B</b>		X		=	588	<b>B</b>		X		=	553	<b>B</b>		X		=	644
<b>C</b>		X		=	455	<b>C</b>		X		=	609	<b>C</b>		X		=	658	<b>C</b>		X		=	315
<b>D</b>		X		=	91	<b>D</b>		X		=	476	<b>D</b>		X		=	182	<b>D</b>		X		=	539
<b>E</b>		X		=	329	<b>E</b>		X		=	511	<b>E</b>		X		=	238	<b>E</b>		X		=	581
<b>F</b>		X		=	672	<b>F</b>		X		=	175	<b>F</b>		X		=	266	<b>F</b>		X		=	112
<b>G</b>		X		=	217	<b>G</b>		X		=	672	<b>G</b>		X		=	504	<b>G</b>		X		=	322
<b>H</b>		X		=	343	<b>H</b>		X		=	287	<b>H</b>		X		=	637	<b>H</b>		X		=	273
<b>I</b>		X		=	462	<b>I</b>		X		=	231	<b>I</b>		X		=	434	<b>I</b>		X		=	399
<b>J</b>		X		=	658	<b>J</b>		X		=	336	<b>J</b>		X		=	532	<b>J</b>		X		=	357

**On Abacus**

**Time Taken:**

**Score:**

<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>F</b>	<b>G</b>	<b>H</b>	<b>I</b>	<b>J</b>
53	72	86	87	72	13	91	22	79	83
206	87	177	281	150	342	372	138	309	237

<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>F</b>	<b>G</b>	<b>H</b>	<b>I</b>	<b>J</b>
73	46	72	64	71	79	72	89	49	98
289	219	112	189	230	200	301	202	300	350

12

On Abacus

<b>No</b>						<b>No</b>						<b>No</b>						<b>No</b>					
<b>A</b>	22	X	7	=	154	<b>A</b>	88	X	7	=	616	<b>A</b>	21	X	7	=	147	<b>A</b>	34	X	7	=	238
<b>B</b>		X		=	287	<b>B</b>		X		=	441	<b>B</b>		X		=	224	<b>B</b>		X		=	308
<b>C</b>		X		=	483	<b>C</b>		X		=	651	<b>C</b>		X		=	574	<b>C</b>		X		=	560
<b>D</b>		X		=	637	<b>D</b>		X		=	245	<b>D</b>		X		=	665	<b>D</b>		X		=	385
<b>E</b>		X		=	210	<b>E</b>		X		=	511	<b>E</b>		X		=	630	<b>E</b>		X		=	693
<b>F</b>		X		=	343	<b>F</b>		X		=	336	<b>F</b>		X		=	399	<b>F</b>		X		=	420
<b>G</b>		X		=	581	<b>G</b>		X		=	476	<b>G</b>		X		=	322	<b>G</b>		X		=	315
<b>H</b>		X		=	658	<b>H</b>		X		=	175	<b>H</b>		X		=	77	<b>H</b>		X		=	182
<b>I</b>		X		=	371	<b>I</b>		X		=	392	<b>I</b>		X		=	133	<b>I</b>		X		=	623
<b>J</b>		X		=	539	<b>J</b>		X		=	644	<b>J</b>		X		=	119	<b>J</b>		X		=	140

**Mental**

<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>F</b>	<b>G</b>	<b>H</b>	<b>I</b>	<b>J</b>
3	4	6	3	2	6	2	4	9	3
12	20	14	10	16	43	24	37	28	38
<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>F</b>	<b>G</b>	<b>H</b>	<b>I</b>	<b>J</b>
35	28	62	57	48	84	17	74	28	58
1	145	162	207	145	264	136	104	58	176
<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>F</b>	<b>G</b>	<b>H</b>	<b>I</b>	<b>J</b>
28	57	19	83	93	57	73	87	68	23
112	128	54	103	79	141	159	192	99	34
					14				

**Mental**

No	A					No	B					No	C					No	D				
A	74	x	5	=	370	A	23	X	2	=	46	A	81	X	2	=	162	A	72	X	2	=	144
B		x		=	40	B		X		=	261	B		X		=	69	B		X		=	234
C		x		=	102	C		X		=	410	C		X		=	370	C		X		=	310
D		x		=	58	D		X		=	345	D		X		=	130	D		X		=	102
E		x		=	141	E		X		=	108	E		X		=	168	E		X		=	141
F		x		=	90	F		X		=	129	F		X		=	249	F		X		=	146
G		x		=	285	G		X		=	155	G		X		=	54	G		X		=	415
H		x		=	182	H		X		=	24	H		X		=	140	H		X		=	495
I		x		=	267	I		X		=	57	I		X		=	420	I		X		=	176
J		x		=	345	J		X		=	150	J		X		=	138	J		X		=	138

**Mental**

No	A					No	B					No	C					No	D				
<b>A</b>	18	x	3	=	54	<b>A</b>	62	X	5	=	310	<b>A</b>	64	X	2	=	128	<b>A</b>	74	X	2	=	148
<b>B</b>		x		=	114	<b>B</b>		X		=	104	<b>B</b>		X		=	237	<b>B</b>		X		=	420
<b>C</b>		x		=	455	<b>C</b>		X		=	219	<b>C</b>		X		=	415	<b>C</b>		X		=	114
<b>D</b>		x		=	186	<b>D</b>		X		=	170	<b>D</b>		X		=	220	<b>D</b>		X		=	186
<b>E</b>		x		=	360	<b>E</b>		X		=	180	<b>E</b>		X		=	171	<b>E</b>		X		=	190
<b>F</b>		x		=	246	<b>F</b>		X		=	112	<b>F</b>		X		=	216	<b>F</b>		X		=	291
<b>G</b>		x		=	320	<b>G</b>		X		=	195	<b>G</b>		X		=	74	<b>G</b>		X		=	225
<b>H</b>		x		=	258	<b>H</b>		X		=	171	<b>H</b>		X		=	195	<b>H</b>		X		=	114
<b>I</b>		x		=	138	<b>I</b>		X		=	70	<b>I</b>		X		=	243	<b>I</b>		X		=	230
<b>J</b>		x		=	52	<b>J</b>		X		=	160	<b>J</b>		X		=	46	<b>J</b>		X		=	52



On Abacus

No	A					No	B					No	C					No	D				
A	1	X	9	=	9	A	5	X	9	=	45	A	9	X	3	=	27	A	9	X	6	=	54
B		X		=	18	B		X		=	36	B		X		=	63	B		X		=	9
C		X		=	27	C		X		=	27	C		X		=	81	C		X		=	36
D		X		=	36	D		X		=	63	D		X		=	9	D		X		=	45
E		X		=	45	E		X		=	54	E		X		=	45	E		X		=	81
F		X		=	54	F		X		=	72	F		X		=	72	F		X		=	27
G		X		=	63	G		X		=	9	G		X		=	54	G		X		=	36
H		X		=	72	H		X		=	0	H		X		=	27	H		X		=	72
I		X		=	81	I		X		=	81	I		X		=	36	I		X		=	18
J		X		=	0	J		X		=	18	J		X		=	45	J		X		=	0
K		X		=	18	K		X		=	45	K		X		=	18	K		X		=	81
L		X		=	81	L		X		=	72	L		X		=	81	L		X		=	54
M		X		=	9	M		X		=	27	M		X		=	36	M		X		=	63
N		X		=	54	N		X		=	63	N		X		=	72	N		X		=	36
O		X		=	27	O		X		=	54	O		X		=	63	O		X		=	18

On Abacus

No	A					No	B					No	C					No	D				
A	12	X	9	=	108	A	27	X	9	=	243	A	28	X	9	=	252	A	18	X	9	=	162
B		X		=	360	B		X		=	756	B		X		=	711	B		X		=	828
C		X		=	585	C		X		=	783	C		X		=	846	C		X		=	405
D		X		=	117	D		X		=	612	D		X		=	234	D		X		=	693
E		X		=	423	E		X		=	657	E		X		=	306	E		X		=	747
F		X		=	864	F		X		=	225	F		X		=	342	F		X		=	144
G		X		=	279	G		X		=	864	G		X		=	648	G		X		=	414
H		X		=	441	H		X		=	369	H		X		=	819	H		X		=	351
I		X		=	594	I		X		=	297	I		X		=	558	I		X		=	513
J		X		=	846	J		X		=	432	J		X		=	684	J		X		=	459

On Abacus

No	A					No	B					No	C					No	D				
A	89	X	8	=	712	A	55	X	8	=	440	A	74	X	8	=	592	A	76	X	8	=	608
B		X		=	776	B		X		=	616	B		X		=	680	B		X		=	744
C		X		=	456	C		X		=	632	C		X		=	376	C		X		=	216
D		X		=	648	D		X		=	296	D		X		=	232	D		X		=	144
E		X		=	528	E		X		=	472	E		X		=	464	E		X		=	128
F		X		=	304	F		X		=	360	F		X		=	504	F		X		=	568
G		X		=	664	G		X		=	224	G		X		=	336	G		X		=	736
H		X		=	632	H		X		=	256	H		X		=	312	H		X		=	424
I		X		=	344	I		X		=	120	I		X		=	448	I		X		=	728
J		X		=	544	J		X		=	104	J		X		=	696	J		X		=	392

On Abacus

No	A					No	B					No	C					No	D				
A	22	X	9	=	198	A	88	X	9	=	792	A	21	X	9	=	189	A	34	X	9	=	306
B		X		=	369	B		X		=	567	B		X		=	288	B		X		=	396
C		X		=	621	C		X		=	837	C		X		=	738	C		X		=	720
D		X		=	819	D		X		=	315	D		X		=	855	D		X		=	495
E		X		=	270	E		X		=	657	E		X		=	810	E		X		=	891
F		X		=	441	F		X		=	432	F		X		=	513	F		X		=	540
G		X		=	747	G		X		=	612	G		X		=	414	G		X		=	405
H		X		=	846	H		X		=	225	H		X		=	99	H		X		=	234
I		X		=	477	I		X		=	504	I		X		=	171	I		X		=	801
J		X		=	693	J		X		=	828	J		X		=	153	J		X		=	180

**Mental**

<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>F</b>	<b>G</b>	<b>H</b>	<b>I</b>	<b>J</b>
7	6	3	2	6	2	7	9	3	4
37	21	38	42	31	40	44	24	4	17
<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>F</b>	<b>G</b>	<b>H</b>	<b>I</b>	<b>J</b>
29	39	72	84	72	72	56	64	74	71
84	25	97	87	226	67	171	146	188	112
<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>F</b>	<b>G</b>	<b>H</b>	<b>I</b>	<b>J</b>
92	51	95	32	39	74	91	64	61	91
117	90	77	90	108	136	110	36	180	112
					21				

**Mental**

<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>F</b>	<b>G</b>	<b>H</b>	<b>I</b>	<b>J</b>
6	9	3	7	8	3	3	2	4	4
46	26	44	18	35	24	22	17	29	30
<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>F</b>	<b>G</b>	<b>H</b>	<b>I</b>	<b>J</b>
64	83	72	79	73	37	96	72	38	61
56	18	87	123	84	84	101	31	17	26
<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>F</b>	<b>G</b>	<b>H</b>	<b>I</b>	<b>J</b>
47	62	61	39	46	37	73	35	94	74
35	85	23	2	69	100	112	99	79	32
					22				

**Mental**

<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>F</b>	<b>G</b>	<b>H</b>	<b>I</b>	<b>J</b>
6	8	2	9	7	5	1	7	4	6
26	42	33	31	24	40	33	11	23	42

<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>F</b>	<b>G</b>	<b>H</b>	<b>I</b>	<b>J</b>
95	60	92	81	92	87	51	42	50	29
147	114	220	54	54	101	106	87	98	72

<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>F</b>	<b>G</b>	<b>H</b>	<b>I</b>	<b>J</b>
79	87	87	83	78	60	64	91	62	58
193	78	192	56	116	91	173	94	96	35

23

On abacus

No		No		No		No	
A	10 ÷ 5 = 2	A	45 ÷ 9 = 5	A	42 ÷ 7 = 6	A	36 ÷ 2 = 18
B	÷ = 9	B	÷ = 6	B	÷ = 6	B	÷ = 5
C	÷ = 3	C	÷ = 9	C	÷ = 6	C	÷ = 7
D	÷ = 8	D	÷ = 7	D	÷ = 8	D	÷ = 5
E	÷ = 4	E	÷ = 7	E	÷ = 8	E	÷ = 7
F	÷ = 3	F	÷ = 7	F	÷ = 46	F	÷ = 6
G	÷ = 4	G	÷ = 9	G	÷ = 2	G	÷ = 7
H	÷ = 15	H	÷ = 8	H	÷ = 7	H	÷ = 16
I	÷ = 6	I	÷ = 8	I	÷ = 8	I	÷ = 10
J	÷ = 3	J	÷ = 10	J	÷ = 28	J	÷ = 29
K	÷ = 9	K	÷ = 5	K	÷ = 29	K	÷ = 30
L	÷ = 8	L	÷ = 9	L	÷ = 26	L	÷ = 7



**Mental**

<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>F</b>	<b>G</b>	<b>H</b>	<b>I</b>	<b>J</b>
7	6	5	7	7	3	2	4	1	8
44	36	23	16	56	15	21	39	45	24

<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>F</b>	<b>G</b>	<b>H</b>	<b>I</b>	<b>J</b>
22	38	46	99	26	99	26	38	97	96
98	119	54	155	82	65	46	58	119	126

<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>F</b>	<b>G</b>	<b>H</b>	<b>I</b>	<b>J</b>
38	34	82	48	12	68	92	81	96	75
67	46	65	21	132	89	104	33	33	183



<b>Mental</b>									
<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>F</b>	<b>G</b>	<b>H</b>	<b>I</b>	<b>J</b>
6	9	3	1	7	8	5	9	6	7
42	26	49	22	37	35	44	44	43	53
<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>F</b>	<b>G</b>	<b>H</b>	<b>I</b>	<b>J</b>
37	47	72	61	49	93	38	48	48	42
74	194	157	163	80	156	33	138	126	29
<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>F</b>	<b>G</b>	<b>H</b>	<b>I</b>	<b>J</b>
73	63	18	66	98	68	45	37	65	46
216	162	39	146	125	146	44	53	128	136
					27				

## Mental

No	A					No	B					No	C					No	D				
A	46	x	2	=	92	A	25	X	5	=	125	A	14	X	3	=	42	A	26	X	5	=	130
B		x		=	252	B		X		=	122	B		X		=	24	B		X	2	=	146
C		x		=	185	C		X		=	87	C		X		=	85	C		X	3	=	174
D		x		=	258	D		X		=	365	D		X		=	255	D		X	2	=	176
E		x		=	290	E		X		=	92	E		X		=	186	E		X	5	=	285
F		x		=	184	F		X		=	183	F		X		=	102	F		X	3	=	99
G		x		=	189	G		X		=	245	G		X		=	174	G		X	2	=	32
H		x		=	57	H		X		=	370	H		X		=	108	H		X	5	=	345
I		x		=	86	I		X		=	154	I		X		=	78	I		X	3	=	141
J		x		=	290	J		X		=	228	J		X		=	135	J		X	2	=	64

**Mental**

No	A					No	B					No	C					No	D				
<b>A</b>	45	X	6	=	270	<b>A</b>	73	X	4	=	292	<b>A</b>	55	X	4	=	220	<b>A</b>	88	X	4	=	352
<b>B</b>		X		=	416	<b>B</b>		X		=	567	<b>B</b>		X		=	774	<b>B</b>		X		=	492
<b>C</b>		X		=	432	<b>C</b>		X		=	124	<b>C</b>		X		=	675	<b>C</b>		X		=	189
<b>D</b>		X		=	225	<b>D</b>		X		=	405	<b>D</b>		X		=	174	<b>D</b>		X		=	320
<b>E</b>		X		=	343	<b>E</b>		X		=	261	<b>E</b>		X		=	344	<b>E</b>		X		=	368
<b>F</b>		X		=	224	<b>F</b>		X		=	576	<b>F</b>		X		=	510	<b>F</b>		X		=	837
<b>G</b>		X		=	369	<b>G</b>		X		=	891	<b>G</b>		X		=	744	<b>G</b>		X		=	504
<b>H</b>		X		=	444	<b>H</b>		X		=	472	<b>H</b>		X		=	94	<b>H</b>		X		=	288
<b>I</b>		X		=	111	<b>I</b>		X		=	693	<b>I</b>		X		=	336	<b>I</b>		X		=	485
<b>J</b>		X		=	74	<b>J</b>		X		=	675	<b>J</b>		X		=	252	<b>J</b>		X		=	155

On abacus

No	A					No	B					No	C					No	D				
A	25	÷	5	=	5	A	58	÷	2	=	29	A	95	÷	5	=	19	A	48	÷	2	=	24
B		÷		=	2	B		÷		=	13	B		÷		=	43	B		÷		=	12
C		÷		=	9	C		÷		=	13	C		÷		=	29	C		÷		=	15
D		÷		=	12	D		÷		=	18	D		÷		=	2	D		÷		=	5
E		÷		=	29	E		÷		=	23	E		÷		=	16	E		÷		=	17
F		÷		=	39	F		÷		=	24	F		÷		=	23	F		÷		=	13
G		÷		=	13	G		÷		=	13	G		÷		=	9	G		÷		=	9
H		÷		=	19	H		÷		=	16	H		÷		=	25	H		÷		=	11
I		÷		=	29	I		÷		=	47	I		÷		=	31	I		÷		=	19
J		÷		=	15	J		÷		=	34	J		÷		=	12	J		÷		=	23
K		÷		=	24	K		÷		=	49	K		÷		=	16	K		÷		=	24
L		÷		=	29	L		÷		=	16	L		÷		=	17	L		÷		=	4

**Mental**

No	A					No	B					No	C					No	D				
A	46	x	8	=	368	A	25	X	7	=	175	A	14	X	7	=	98	A	26	X	9	=	234
B		x		=	504	B		X		=	549	B		X		=	96	B		X		=	438
C		x		=	148	C		X		=	174	C		X		=	153	C		X		=	464
D		x		=	258	D		X		=	365	D		X		=	255	D		X		=	176
E		x		=	290	E		X		=	184	E		X		=	372	E		X		=	399
F		x		=	828	F		X		=	183	F		X		=	136	F		X		=	264
G		x		=	378	G		X		=	196	G		X		=	174	G		X		=	112
H		x		=	57	H		X		=	370	H		X		=	252	H		X		=	345
I		x		=	86	I		X		=	154	I		X		=	234	I		X		=	141
J		x		=	522	J		X		=	304	J		X		=	216	J		X		=	128

On Abacus

Time Taken:

Score:

A	B	C	D	E	F	G	H	I	J
539	831	820	629	197	629	927	299	719	759
212	913	1829	252	1311	1324	1946	1580	1128	1594

A	B	C	D	E	F	G	H	I	J
1957	8292	7290	8395	6392	1758	6519	1745	2749	6884
3552	6435	14782	3603	14593	4477	3878	5514	7642	3115

A	B	C	D	E	F	G	H	I	J
8126	2750	3764	3480	2699	1846	8205	7215	1003	2389
6243	5569	6331	7152	5084	3411	6617	4451	9268	7247

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On Abacus

Time Taken:

Score:

A	B	C	D	E	F	G	H	I	J
29	30	2	875	73	286	5	82	7	62
770	253	827	587	339	674	829	287	840	758

A	B	C	D	E	F	G	H	I	J
23	872	81	83	26	830	8	28	73	724
1453	1444	1153	556	217	1272	739	1099	479	1530

<b>Mental</b>									
<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>F</b>	<b>G</b>	<b>H</b>	<b>I</b>	<b>J</b>
6	8	2	6	5	7	6	7	3	4
11	51	46	38	32	20	24	23	7	43
<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>F</b>	<b>G</b>	<b>H</b>	<b>I</b>	<b>J</b>
74	98	38	58	92	54	77	63	19	18
179	144	124	192	225	119	143	94	161	120
<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>F</b>	<b>G</b>	<b>H</b>	<b>I</b>	<b>J</b>
63	19	18	95	36	98	79	63	89	46
212	161	120	126	79	61	189	212	107	166
					34				

**Mental**

<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>F</b>	<b>G</b>	<b>H</b>	<b>I</b>	<b>J</b>
5	5	7	6	8	4	3	1	2	9
18	48	41	50	31	20	24	54	20	35

<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>F</b>	<b>G</b>	<b>H</b>	<b>I</b>	<b>J</b>
38	19	19	46	47	99	49	48	92	81
123	104	80	156	92	63	100	88	185	259

<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>F</b>	<b>G</b>	<b>H</b>	<b>I</b>	<b>J</b>
70	59	20	84	61	85	49	83	46	67
273	224	174	125	113	34	152	121	292	69

35

Mental

A	B	C	D	E	F	G	H	I	J
5	8	2	3	6	8	3	7	5	6
42	45	25	20	40	61	13	58	19	22

A	B	C	D	E	F	G	H	I	J
72	78	41	84	73	82	72	82	82	84
265	82	163	300	123	314	184	137	264	150

A	B	C	D	E	F	G	H	I	J
45	82	84	87	59	26	36	86	74	62
237	14	251	183	204	177	259	234	248	168

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On abacus

No	A					No	B					No	C				
A	777	x	9	=	6993	A	385	X	9	=	3465	A	257	X	5	=	1285
B		x		=	1530	B		X		=	3054	B		X		=	2912
C		x		=	4434	C		X		=	3280	C		X		=	6587
D		x		=	2272	D		X		=	504	D		X		=	1362
E		x		=	3364	E		X		=	7152	E		X		=	2904
F		x		=	3125	F		X		=	942	F		X		=	4074
G		x		=	1650	G		X		=	2516	G		X		=	5238
H		x		=	6832	H		X		=	3475	H		X		=	718
I		x		=	5463	I		X		=	4752	I		X		=	5736
J		x		=	4602	J		X		=	5888	J		X		=	3520
K		x		=	5888	K		X		=	1240	K		X		=	1880
L		x		=	992	L		X		=	5089	L		X		=	1254

On abacus

No	A					No	B					No	C				
A	780	x	3	=	2340	A	296	X	4	=	1184	A	683	X	7	=	4781
B		x		=	1365	B		X		=	5026	B		X		=	2080
C		x		=	3268	C		X		=	3032	C		X		=	7425
D		x		=	3150	D		X		=	5040	D		X		=	2994
E		x		=	4960	E		X		=	1386	E		X		=	6496
F		x		=	230	F		X		=	1994	F		X		=	1314
G		x		=	2892	G		X		=	4920	G		X		=	4944
H		x		=	3160	H		X		=	3504	H		X		=	4955
I		x		=	4455	I		X		=	6273	I		X		=	2853
J		x		=	5874	J		X		=	1161	J		X		=	4704
K		x		=	4368	K		X		=	1841	K		X		=	2256
L		x		=	3395	L		X		=	820	L		X		=	3824

On abacus

No	A				No	B				No	C						
A	995	x	3	=	2985	A	398	X	7	=	2786	A	373	X	2	=	746
B		x		=	4984	B		X		=	3828	B		X		=	1868
C		x		=	2401	C		X		=	1662	C		X		=	2487
D		x		=	3522	D		X		=	3348	D		X		=	4910
E		x		=	2445	E		X		=	3688	E		X		=	3801
F		x		=	2403	F		X		=	8325	F		X		=	2820
G		x		=	1892	G		X		=	1250	G		X		=	5344
H		x		=	1852	H		X		=	1444	H		X		=	6570
I		x		=	882	I		X		=	5481	I		X		=	4680
J		x		=	3670	J		X		=	4092	J		X		=	6041
K		x		=	2073	K		X		=	1418	K		X		=	1185
L		x		=	2023	L		X		=	5337	L		X		=	468

**Mental**

<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>F</b>	<b>G</b>	<b>H</b>	<b>I</b>	<b>J</b>
5	8	9	8	3	8	4	7	1	4
25	44	23	26	43	42	29	35	23	26

<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>F</b>	<b>G</b>	<b>H</b>	<b>I</b>	<b>J</b>
83	18	59	84	75	86	96	35	76	25
220	102	139	183	231	179	158	47	71	167

<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>F</b>	<b>G</b>	<b>H</b>	<b>I</b>	<b>J</b>
36	46	56	19	38	52	54	37	74	83
100	64	100	120	101	125	183	172	188	16



**Mental**

<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>F</b>	<b>G</b>	<b>H</b>	<b>I</b>	<b>J</b>
4	3	5	2	6	3	6	2	2	5
42	32	56	26	33	19	22	27	23	20

<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>F</b>	<b>G</b>	<b>H</b>	<b>I</b>	<b>J</b>
30	95	98	63	19	39	60	70	80	97
32	57	164	171	59	79	75	84	8	80

<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>F</b>	<b>G</b>	<b>H</b>	<b>I</b>	<b>J</b>
96	22	38	46	48	99	82	57	28	54
87	170	59	28	165	93	230	128	94	60

Mental									
A	B	C	D	E	F	G	H	I	J
6	5	2	2	4	2	5	4	4	9
37	31	32	47	14	42	30	23	43	21
A	B	C	D	E	F	G	H	I	J
59	37	46	26	16	69	29	45	70	76
112	110	97	19	80	118	155	101	120	275
A	B	C	D	E	F	G	H	I	J
67	84	36	17	47	64	26	38	39	82
128	126	145	97	66	147	104	199	89	110
					42				