

A P P E N D I C E S

Appendix 1

M-scores and associative frequency scores of all numbers 1-100, averaged over subjects (Chapter 2).

Number	m-score	
Ass. Frequency		
1	7.94	26.39
2	8.72	29.61
3	8.39	27.39
4	8.67	24.56
5	8.44	18.39
6	8.61	21.50
7	7.94	19.00
8	8.17	20.00
9	8.78	19.83
10	10.06	17.67
11	9.06	17.89
12	10.17	15.00
13	8.22	10.33
14	8.06	10.61
15	9.28	10.22
16	9.11	10.89
17	7.33	7.56
18	7.72	10.39
19	8.28	6.06
20	8.39	10.50
21	8.78	7.28
22	8.89	9.06
23	7.56	3.44
24	8.56	6.11
25	8.50	5.61
26	7.72	5.17
27	8.11	3.89
28	8.39	4.39
29	8.50	2.44
30	8.39	11.17
31	8.00	4.33
32	7.33	4.22
33	8.44	8.33
34	9.06	4.94

92	7.78	2.28
93	8.78	2.44
94	7.39	1.67
95	8.11	2.39
96	7.94	2.11
97	7.28	2.11
98	7.00	2.61
99	8.50	6.94
100	9.11	12.50

Appendix 2

Appendix 2. Leading associates, with proportional frequencies, of stimulus numbers 1-100 obtained in four conditions. 1. Continued association overall; 2. Continued association first named; 3. Discrete association difficult condition; 4. Discrete association easy condition (Chapters 2 and 3).

Continued association			
crete association			
Stimnr	Ass. all	% Ass. 1st	
%	Ass. diff	%	Ass.
easy	%		
1	11	72.2	11
33.3	2	18.5	2
42.0			
2	4	83.3	4
83.3	1	22.2	1
32.0			
3	9	83.3	9
38.9	9	20.4	9
18.0			
4	2	61.1	2
33.3	2	16.7	2
42.0			
5	25	72.2	10
27.8	6	14.8	10
20.0			
6	3	72.2	2
16.7	3	14.8	3
24.0			
7	21	55.6	14
22.2	8	11.1	3
22.0			

8	2	66.7	(2,64)	16.7	4	18.5	4	30.0
9	3	72.2	3	50.0	3	24.1	3	50.0
10	100	100.0	20	27.8	1	18.5	1	24.0
11	1	61.1	22	27.8	1	13.0	1	26.0
12	2	72.2	24	16.7	3	20.4	6	22.0
13	26	55.6	26	27.8	-	9.3	(1,3)	12.0
14	7	66.7	7	27.8	7	16.7	7	42.0
15	5	72.2	30	22.2	5	16.7	5	30.0
16	8	44.4	1,4	16.7	8	14.8	4	38.0
17	1	44.4	1	27.8	7	18.5	(3,18)	16.0
18	9	66.7	(9,36,1)	11.1	9	25.9	9	38.0
19	20	44.4	(20,1)	22.2	20	24.1	20	22.0
20	4	72.2	(2,40)	16.7	(2,10)	18.5	10	42.0
21	3	66.7	(1,2,42)	11.1	7	16.7	7	28.0
22	11	66.7	2	22.2	11	24.1	11	42.0
23	2	44.4	46	27.8	(7,25)	11.1	7	24.0
24	2	72.2	48	27.8	12	16.7	12	28.0
25	5	72.2	(5,50)	22.2	5	24.1	5	46.0
26	2	66.7	2	22.2	4	13.0	4	14.0
27	9	66.7	(2,9)	22.2	9	18.5	9	24.0
28	2	50.0	2	22.2	2	13.0	7	16.0
29	30	61.1	30	33.3	30	24.1	(1,30)	14.0
30	3	72.2	60	27.8	3	22.2	10	34.0
31	1	44.4	(3,62)	16.7	(4,30)	11.1	3	14.0
32	16	55.6	64	22.2	8	13.0	8	20.0
33	66	61.1	(3,66)	22.2	3	22.2	(3,11)	32.0
34	3	50.0	3	16.7	(7,12,35)	7.4	6	14.0
35	70	72.2	70	27.8	5	14.8	5	30.0
36	6	66.7	6	27.8	6	14.8	6	34.0
37	10	55.6	3	27.8	3	14.8	7	22.0
38	2	44.4	3	16.7	40	13.0	(2,8)	10.0
39	3	50.0	40	22.2	40	20.4	3	16.0
40	20	77.8	20	22.2	10	16.7	10	32.0
41	1	55.6	82	22.2	5	14.8	(5,9)	12.0
42	21	66.7	(4,24)	16.7	(6,7)	9.3	8	16.0
43	3	44.4	4	22.2	7	16.7	7	32.0
44	11	72.2	11	22.2	4	24.1	11	24.0
45	90	66.7	90	33.3	9	20.4	5	30.0
46	23	44.4	4	16.7	(8,10)	9.3	4	18.0
47	11	55.6	4	16.7	7	11.1	7	28.0
48	12	72.2	4	27.8	12	18.5	(8,12)	16.0
49	7	50.0	7	33.3	50	14.8	7	34.0
50	5	66.7	100	38.9	(5,100)	16.7	5	30.0
51	102	50.0	5	22.2	50	11.1	9	18.0
52	2	55.6	(5,104)	22.2	7	14.8	8	24.0
53	106	44.4	5	22.2	8	14.8	7	14.0
54	9	44.4	108	27.8	(9,55)	11.1	6	12.0
55	5	61.1	5	33.3	5	24.1	5	38.0
56	4	50.0	5	16.7	-	5.6	-	8.0
57	12	50.0	5	16.7	60	9.3	7	10.0
58	8	44.4	5	27.8	-	9.3	2	14.0
59	60	50.0	60	38.9	60	20.4	60	14.0
60	6	77.8	6	22.2	(6,10)	14.8	10	26.0
61	6	44.4	(1,6,62)	11.1	-	11.1	9	18.0
62	8	66.7	(6,8,31)	16.7	(8,60)	11.1	8	22.0
63	9	55.6	6	16.7	7	11.1	7	14.0
64	2	55.6	8	27.8	8	16.7	8	32.0

65	5	55.6	6	22.2	11	11.1	5	28.0
66	33	66.7	(6,36)	27.8	6	16.7	6	26.0
67	7	55.6	6	22.2	13	11.1	7	22.0
68	34	44.4	6	16.7	(8,70)	9.3	8	16.0
69	9	55.6	6	16.7	70	14.8	13	16.0
70	7	77.8	7	38.9	10	14.8	10	36.0
71	1	38.9	8	22.2	8	13.0	72	12.0
72	9	72.2	(7,36)	16.7	8	16.7	8	24.0
73	7	50.0	7	22.2	7	14.8	7	14.0
74	4	44.4	7	22.2	75	16.7	(6,7)	14.0
75	25	66.7	(7,150)	22.2	(5,25)	13.0	25	28.0
76	6	55.6	7	16.7	7	11.1	(4,7,13)	8.0
77	7	66.7	7	33.3	7	25.9	(7,11)	26.0
78	(8,87)	38.9	7	22.2	80	18.5	2	14.0
79	97	55.6	80	33.3	80	14.8	(8,80)	12.0
80	8	77.8	8	33.3	8	20.4	10	28.0
81	9	61.1	18	22.2	9	27.8	9	48.0
82	41	55.6	8	16.7	8	11.1	2	12.0
83	11	55.6	8	27.8	8	11.1	7	16.0
84	4	55.6	8	16.7	8	16.7	6	14.0
85	5	61.1	8	27.8	15	9.3	15	22.0
86	43	61.1	8	27.8	8	13.0	4	16.0
87	7	44.4	8	16.7	90	9.3	3	14.0
88	8	55.6	8	33.3	8	20.4	8	30.0
89	9	44.4	8	22.2	90	18.5	9	22.0
90	9	72.2	9	33.3	10	22.2	10	40.0
91	9	61.1	9	22.2	9	22.2	9	30.0
92	9	50.0	11	22.2	8	13.0	8	18.0
93	3	44.4	(9,12)	11.1	7	14.8	7	20.0
94	4	44.4	9	27.8	(6,95)	14.8	6	18.0
95	5	61.1	9	16.7	100	18.5	5	44.0
96	3	50.0	9	22.2	100	13.0	4	22.0
97	16	44.4	9	27.8	3	16.7	3	28.0
98	8	44.4	9	27.8	100	25.9	2	28.0
99	33	77.8	100	38.9	100	27.8	9	24.0
100	10	61.1	1	27.8	10	25.9	10	46.0

Appendix 3

Appendix 3. Factor scores of the numbers 1-100 numbers on the three dimensions of the Semantic Differential (Chapter 4).

Stimnr	Evaluation	Potency	Activity				
1	1.94	.01	2.79	51	-1.57	.23	.42
2	.72	-1.75	-.47	52	-.85	-.55	-.45
3	-.62	-2.24	.15	53	-1.46	-.21	-.36
4	.76	-1.89	-.99	54	-.28	.63	.61
5	-.97	-2.20	-.04	55	.09	.25	1.08
6	-.36	-1.52	-2.11	56	-.38	.42	.44
7	.29	-.84	1.25	57	-.92	.50	.42
8	2.24	1.04	.39	58	-.34	.82	.28
9	.23	-.72	1.94	59	-1.91	.55	.86
10	2.49	.00	.88	60	.07	-.05	-1.83
11	-.21	-1.32	1.16	61	-1.06	-.12	.13
12	1.09	-1.62	-.21	62	-1.13	-1.24	-1.14
13	.17	1	3.77	63	-1.24	-1.09	-.30
14	-.74	-.25	-.16	64	.52	.32	.45
15	.65	-.76	1.71	65	-.59	1.02	-.12
16	.94	-1.22	-.25	66	1.90	.50	-.95
17	-1.36	-.31	.63	67	-1.64	1.18	1.18
18	1.06	-.01	.67	68	.48	.47	-.48
19	.11	.02	.62	69	.75	.01	.56
20	1.07	-1.46	-1.03	70	-.04	.16	-1.18
21	1.28	-1.20	.29	71	-1.23	.2	-.75
22	.38	-1.95	-.26	72	-.68	-1.30	-1.85
23	-1.35	-1.19	-.59	73	-.86	-.86	-.58
24	1.62	-.83	-1.43	74	-.38	-.33	-.23
25	1.48	.45	.56	75	.69	2.02	.92
26	-.61	-1.43	-1.43	76	.59	.79	.44
27	.03	-.63	.57	77	1.05	.60	.07
28	-.11	-1.26	.17	78	.53	1.19	.09
29	-1.52	-.09	1.49	79	-.90	-.18	-.69
30	.23	-.02	-.51	80	.77	.93	-1.80
31	-1.3	-.52	1.03	81	.80	.51	1.30
32	-.11	-1.17	-.17	82	-.05	.60	-2.05
33	.18	.16	1.31	83	-.44	1.30	1.52
34	-1.32	-1.32	-.58	84	1.01	1.28	-1.12
35	-.32	-.24	.20	85	.59	1.39	.30
36	1.82	-.97	-2.33	86	.67	1.04	.25
37	-1.33	-.56	.38	87	-.88	1.50	-1.28
38	-.28	-1.42	-1.78	88	1.06	.34	-1.37
39	-.38	-.06	.71	89	-.45	1.09	.33
40	-.53	.23	-.75	90	.41	1.38	-.45
41	-1.69	-.33	.39	91	-1.31	-.37	-.15
42	-.05	-.58	-.92	92	-.03	1.70	-.21
43	-1.83	-.65	.40	93	-.92	1.24	-.55
44	.90	-.27	-.30	94	.95	1.73	.32
45	-.22	-.03	-.64	95	.32	2.04	1.57
46	-.82	-1.32	-1.56	96	.64	1.33	.84
47	-1.54	-.41	-.31	97	-.55	1.35	.36
48	.80	.09	-.95	98	.87	1.80	.00
49	-.33	.32	.46	99	1.61	2.05	1.28
50	.21	-.02	-.96	100	2.91	3.13	.69

Appendix 4

Appendix 4. Scores of all numbers on three scales of the semantic differential: good-bad, heavy-light and and excitable-calm (Chapter 4) .

Stim. number	Good	Heavy	Excit- able
1	5.04	3.61	4.65
2	4.85	3.56	3.88
3	4.20	3.37	4.24
4	5.07	3.22	3.58
5	4.07	3.47	4.11
6	4.54	4.13	3.35
7	4.29	3.42	4.28
8	5.32	4.38	3.85
9	4.32	3.68	4.70
10	5.74	3.79	3.93
11	4.31	3.33	4.31
12	4.91	3.63	4.05
13	3.70	4.13	4.91
14	4.28	4.11	3.77
15	4.79	3.44	4.46
16	5.19	3.52	4.02
17	3.82	3.98	3.71
18	4.81	3.96	4.09
19	4.20	4.07	3.85
20	4.91	3.29	3.47
21	4.98	3.40	4.09
22	4.78	3.02	4.20
23	4.15	3.85	3.94
24	5.31	3.71	3.51
25	4.85	3.98	3.91
26	4.36	3.67	3.67
27	4.30	3.83	4.23
28	3.98	3.58	4.31
29	3.56	4.05	4.12
30	4.69	4.20	3.67
31	4.07	3.93	4.04
32	4.22	3.63	3.76
33	4.29	4.00	4.27
34	3.95	3.88	3.98
35	4.25	3.71	3.92
36	5.32	3.80	3.20
37	3.91	4.28	4.00
38	4.62	3.49	3.53
39	3.87	4.18	4.04
40	4.28	4.43	3.46
41	3.87	4.24	3.98
42	4.54	4.04	3.83
43	3.55	4.22	4.18
44	4.63	3.79	3.74
45	4.29	4.27	3.56
46	4.40	3.75	3.54
47	3.94	4.12	3.81
48	4.85	4.30	3.60
49	4.22	4.00	3.89
50			4.60
51			3.87
52			4.11
53			3.38
54			4.23
55			4.22
56			4.24
57			4.09
58			4.31
59			3.64
60			4.52
61			4.11
62			4.12
63			4.04
64			4.43
65			4.24
66			5.21
67			3.32
68			4.42
69			4.67
70			4.43
71			3.94
72			4.43
73			4.36
74			4.33
75			4.35
76			4.53
77			4.59
78			4.60
79			4.20
80			4.88
81			4.67
82			4.61
83			4.00
84			4.62
85			4.29
86			4.52
87			4.18
88			5.02
89			3.96
90			4.52
91			4.13
92			4.35
93			3.89
94			4.69
95			4.30
96			4.50
97			4.02
98			4.54
99			4.78
100			5.49

Appendix 5

Appendix 5. Lists of numbers used as materials in the experiment of Chapter 5

	<i>list 1</i>	<i>list 2</i>	<i>list 3</i>	<i>list 4</i>	<i>list 5</i>
a	46	47	48	49	57
	65	64	63	13	14
	73	21	22	29	24
	80	79	59	77	30
	89	88	40	41	42
	1	2	3	4	7
	95	94	91	58	78

b	61	5	6	9	8
	43	68	67	66	69
	27	74	25	26	75
	35	32	33	34	31
	44	82	81	15	83
	54	51	52	50	90
c	12	60	10	11	62
	19	17	18	20	16
	100	71	70	28	23
	76	99	37	38	39
	87	86	85	84	45
	92	93	55	56	53
	72	36	98	97	96

Appendix 6

Appendix 6. Memorisation and incorrect scores of numbers in the Recall and Recognition tests (see Chapter 5). Memorisation scores are given in percentages. Incorrect scores are given in absolute values.

Number	%Recall (proportions)	%Recognition	Incorr. Recall (absolute scores)	Incorr. Recog (absolute scores)
1	88	96	3	6
2	86	92	2	3
3	77	83	1	13
4	72	68	2	3
5	84	91	3	1
6	69	76	4	6
7	89	94	8	13
8	89	87	4	5
9	83	68	5	5
10	83	72	5	3
11	78	68	0	2
12	66	84	6	6
13	74	65	3	1
14	77	77	3	2
15	65	56	8	3
16	64	76	4	6
17	84	82	10	12
18	73	66	4	4
19	55	79	1	3
20	48	58	3	4
21	46	62	5	13
22	62	69	5	4
23	47	55	8	8
24	55	74	3	9
25	60	62	3	7
26	57	42	4	2
27	45	55	5	10
28	61	58	3	5
29	37	47	1	4
30	48	61	1	3
31	38	60	2	6
32	34	48	6	8

33	62	64	3	5
34	31	32	12	9
35	30	45	13	8
36	42	51	10	8
37	29	28	5	10
38	54	52	6	5
39	39	32	2	4
40	50	43	1	4
41	15	23	8	15
42	33	42	13	15
43	44	54	4	10
44	58	82	10	9
45	21	35	14	9
46	38	50	5	4
47	40	46	5	14
48	52	47	12	8
49	39	37	6	11
50	50	48	1	5
51	26	32	4	7
52	42	33	5	10
53	35	48	8	19
54	30	54	14	11
55	52	40	5	4
56	24	35	6	15
57	30	37	5	12
58	28	32	6	7
59	19	17	3	5
60	30	40	3	8
61	22	27	4	8
62	27	18	5	6
63	25	33	11	23
64	36	42	7	7
65	31	36	1	7
66	59	53	4	7
67	31	34	8	19
68	36	49	8	12
69	55	50	11	11
70	31	41	1	6
71	70	77	7	10
72	59	50	9	13
73	31	43	6	13
74	42	35	9	6
75	33	32	2	1
76	30	32	5	10
77	46	63	8	11
78	38	32	7	7
79	12	23	6	8
80	34	38	3	1
81	31	41	8	19
82	24	23	5	9
83	21	24	14	15
84	26	23	9	18
85	21	31	4	8
86	48	48	5	12
87	28	27	7	8
88	56	71	4	9
89	39	39	8	7

90	42	42	8	9
91	35	50	9	19
92	39	43	13	7
93	32	40	7	9
94	22	29	4	5
95	27	32	1	3
96	45	52	9	25
97	31	34	3	16
98	44	43	3	15
99	78	83	2	6
100	86	91	3	3

Appendix 7

Intercorrelations between nineteen experimental variables (chapter 5).

Name	1	2	3	4	5	6	7	8	9
10	11	12	13	14	15	16	17	18	19
Freq.gen	1.00								
Freq.diff	.90	1.00							
Freq.easy	.92	.97	1.00						
Pleasant	.84	.90	.93	1.00					
Unpleasant	.70	.73	.78	.68	1.00				
m-score	.50	.45	.38	.31	.14	1.00			
Comm.gen.	.59	.51	.47	.38	.19	.54	1.00		
Comm. 1st	.44	.31	.34	.31	.28	.08	.36	1.00	
Comm. diff.	.29	.20	.15	.16	.01	.21	.40	.37	1.00
Comm. easy	.42	.34	.27	.23	.05	.27	.45	.26	.58
R-div. diff	-.55	-.52	-.48	-.40	-.39	-.28	-.44	-.37	-.59
R-div. easy	-.75	-.66	-.61	-.57	-.34	-.56	-.61	-.41	-.53
Omiss. diff	.24	.27	.33	.23	.34	-.09	-.04	.12	-.23
Omiss. easy	-.38	-.27	-.22	-.23	-.10	-.40	-.46	-.10	-.43
Rt-diff	-.18	-.07	-.03	-.02	-.02	-.10	-.34	-.13	-.39
RT-easy	-.35	-.24	-.17	-.17	.04	-.34	-.54	-.23	-.50
Good	.44	.32	.29	.32	-.06	.46	.50	.09	.33
Heavy	-.49	-.39	-.42	-.39	-.38	-.38	-.33	-.09	-.23
Excitable	.20	.23	.25	.22	.44	.04	-.03	.07	.10
	.08	-.11	-.02	-.02	.02	.06	-.24	-.29	.08

Appendix 8

Loadings of the 19 variables on the four factors obtained (Chapter 5).

	Fact1	Fact2	Fact3	Fact4	Fact5	H2
Freq. gen.	.86	.34	.27	.00	-.12	.94
Freq.diff.	.90	.26	.19	.04	-.01	.92
Freq. easy.	.94	.18	.16	.05	.01	.95
Pleasant	.87	.21	.12	.06	.03	.82
Unpleasant	.84	-.16	.09	.31	-.07	.83
M-score	.35	.68	-.08	-.06	-.08	.60
Comm. gen	.37	.53	.30	-.21	-.31	.65
Comm. 1st.	.30	-.07	.65	-.06	-.04	.52
Comm. diff.	-.06	.36	.77	.15	-.15	.77
Comm. easy	.06	.58	.60	.13	-.05	.71
R-div. diff.	-.42	-.10	-.68	-.08	.15	.68
R-div..easy.	-.47	-.60	-.47	-.02	.12	.83
Omiss. diff.	.51	-.48	.09	-.36	.21	.66
Omiss. easy.	-.06	-.72	-.22	-.18	.15	.63
Rt diff.	.07	-.13	-.27	.02	.88	.86
Rt easy.	.00	-.56	-.43	.09	.44	.70
Good.	.17	.74	.11	-.35	.00	.72
Heavy.	-.45	-.31	.16	-.30	.50	.66
Excitable	.26	-.10	.06	.86	.00	.82

Appendix 9

Orthogonal factor scores of all numbers 1-100 on each of the five dimensions (see Chapter 5).

nr	Fact1	Fact2	Fact3	Fact4	Fact5
1	2.56	-.70	2.02	.27	-.1
2	2.48	-.03	2.51	-.76	.26
3	3.8	-.89	.40	.61	-.72
4	2.39	1.12	.41	-.53	.59
5	3.11	-.89	-.05	-.08	.25
6	1.83	.60	-.64	-1.29	-.62
7	3.71	-.66	-1.26	1.04	-.66
8	2.23	1.45	.10	-.43	1.01
9	1.88	.69	2.27	2.30	.19
10	2.13	2.48	-.41	-1.35	2.43
11	1.95	.02	-.85	1.22	-.44
12	1.07	1.28	-.85	-.38	-.83
13	1.58	-1.53	-.75	2.88	-.22
14	-.09	.04	.61	-.07	-1.15
15	.20	1.22	-.47	1.28	-1.50
16	-.16	2.36	-1.13	1.26	.33
17	.27	-1.19	.38	.91	.03
18	-.63	1.28	.37	1.28	-.80
19	.03	-.81	1.04	.31	.08
20	.13	1.27	-.32	-.72	-1.27
21	.22	1.25	-.57	.20	-.46
22	-.29	1.29	.13	1.20	-1.69
23	-.23	-.10	-.56	.99	1.35
24	-.31	1.40	-.20	-1.01	-.79
25	-.57	1.28	.85	.54	.55
26	-.27	.09	-.94	-.26	-1.62
27	-.53	.75	.09	1.51	.08
28	-.36	.22	-1.11	1.65	-.84

29	-.33	-1.25	.84	.59	-1.09
30	-.21	.92	1.14	-.62	-.94
31	-.04	-.72	-.81	.19	-.95
32	-.39	-.41	-.74	.12	-1.62
33	-.79	1.1	.32	1.87	-.77
34	.09	.21	-2.10	.55	.50
35	-.38	-.09	.28	.02	-1.51
36	-.19	.83	-.33	-1.88	-.83
37	-.31	-1.34	.58	.25	-.12
38	.17	-.49	-1.34	-.98	-.46
39	-.61	-.86	-.11	1.26	-.45
40	.19	.05	.76	-1.76	-1.07
41	.04	-1.53	-.24	-.19	.10
42	-.47	.84	-2.01	.16	-.85
43	-.46	-1.46	1.02	.99	.56
44	-.55	.32	.71	-.14	-1.84
45	-.77	-.14	.73	-.47	-1.45
46	-.06	-.27	-1.09	-.58	.71
47	-.60	-.01	-.61	.54	.50
48	-.64	1.10	-.62	-.48	.01
49	-.64	-.19	.63	.50	-.17
50	.04	1.28	.54	-.80	.01
51	-.21	-.69	-.32	.06	.01
52	-.39	-.26	-.24	-.15	-.84
53	-.02	-2.46	.18	-.39	.21
54	-.21	-.30	-.94	.36	1.97
55	-.81	.54	1.57	1.32	.46
56	-.31	-.05	-2.30	.07	.30
57	-.02	-.68	-1.44	-.23	1.73
58	-.16	-2.16	-.01	-10	-.95
59	-.29	-2.54	1.74	-.16	.39
60	.07	1.20	-.43	-1.58	-.15
61	-.42	.28	-1.45	1.09	.55
62	-.33	-.41	-1.19	-.20	-1.76
63	.06	-.54	-1.51	.34	-.01
64	-.73	.59	-.01	.93	.60
65	-.34	-.55	.14	-.75	.50
66	-.47	1.11	-.13	-.85	-.27
67	-.57	-1.59	.46	.59	-.09
68	-.60	.15	-1.62	.1	.87
69	-.26	.49	-.80	.62	.15
70	-.30	.26	.86	-1.16	-.95
71	-.40	-.92	-.43	-.70	-1.02
72	-.42	.38	-.65	-.80	-1.7
73	-.31	-.71	-.45	-.22	-.53
74	-.62	-.45	-.59	.52	-.26
75	-.54	.83	.06	-.24	1.31
76	-.51	-.40	-1.05	.53	1.08
77	-.78	-.26	1.73	.02	-.91
78	-.74	-.91	.47	-.17	.62
79	-.14	-.92	-.19	-.64	.33
80	-.08	.64	.90	-2.68	-10
81	-1.24	.81	1.6	2.41	3.77E-3
82	-.17	-.69	-.93	-2.07	.71
83	-.31	-1.08	-.19	.53	1.42
84	-.55	-.04	-.63	-1.16	-.16
85	-.08	-1.29	.25	-1.63	.23

86	-.33	-.30	-.64	-.74	.06
87	-.08	-1.76	-.13	-1.89	1.51
88	-.71	.54	1.18	-1.22	-.56
89	-.89	-.01	.50	1.05	1.21
90	-.48	.99	1.36	-.43	1.33
91	-.67	.75	.35	1.22	.82
92	-.37	-.63	-.20	-.94	.76
93	-.49	.57	-.82	-.16	2.23
94	-.39	-.85	.26	-.53	1.47
95	-.75	.86	1.03	.13	1.84
96	-.45	-.08	-.46	.01	1.68
97	-.59	-.79	.58	.32	1.30
98	-.97	-.45	1.68	-.31	.52
99	-.84	.64	2.35	.05	-1.06
100	-.00	1.93	1.86	-.99	2.34

Appendix 10

Problems in order of difficulty as measured by Rt's (see Chapter 6). Proportions of errors and/or omissions are given in the third column.

Problem	Rt's	%Errors						
72 - 9 =	1739	38	43 - 6 =	974	11	61 - 59 =	462	5
72 - 63 =	1648	16	63 - 57 =	940	19	22 - 4 =	462	0
97 - 88 =	1640	24	23 - 6 =	939	16	59 - 51 =	462	0
82 - 74 =	1588	11	54 - 45 =	935	0	81 - 2 =	460	3
91 - 5 =	1492	8	96 - 7 =	896	5	41 - 2 =	460	0
97 - 9 =	1424	30	32 - 27 =	886	14	93 - 91 =	458	0
33 - 7 =	1420	27	51 - 3 =	879	5	40 - 4 =	457	0
53 - 7 =	1377	24	96 - 89 =	873	22	79 - 71 =	454	3
73 - 66 =	1319	16	34 - 25 =	850	16	22 - 18 =	450	8
43 - 37 =	1291	27	74 - 69 =	831	5	74 - 5 =	444	11
73 - 7 =	1286	35	62 - 58 =	802	0	39 - 8 =	440	5
53 - 46 =	1286	24	92 - 89 =	764	11	35 - 33 =	438	3
34 - 9 =	1240	19	84 - 78 =	748	14	67 - 62 =	433	0
86 - 8 =	1235	19	62 - 4 =	746	8	88 - 81 =	431	3
84 - 6 =	1229	14	31 - 3 =	711	14	58 - 4 =	418	3
63 - 6 =	1206	5	79 - 8 =	702	3	47 - 5 =	414	5
46 - 8 =	1200	16	80 - 4 =	701	3	87 - 82 =	409	0
54 - 9 =	1149	24	23 - 17 =	692	19	67 - 5 =	402	3
66 - 58 =	1086	11	92 - 3 =	676	8	94 - 90 =	401	5
52 - 47 =	1062	3	77 - 73 =	671	16	85 - 82 =	395	0
46 - 38 =	1059	24	51 - 48 =	663	0	76 - 70 =	394	5
66 - 8 =	1058	24	71 - 68 =	622	5	28 - 21 =	391	3
52 - 5 =	1035	5	31 - 28 =	595	3	80 - 76 =	388	3
91 - 86 =	1032	11	99 - 93 =	587	3	20 - 12 =	377	0
32 - 5 =	1020	3	81 - 79 =	551	8	68 - 7 =	371	3
33 - 26 =	1005	22	38 - 4 =	529	0	21 - 19 =	366	3
71 - 3 =	991	14	41 - 39 =	515	8	90 - 1 =	365	0
			85 - 3 =	505	8	28 - 7 =	362	5
			61 - 2 =	502	0	55 - 53 =	355	0
			27 - 5 =	497	5	64 - 61 =	353	5
			20 - 8 =	496	3	40 - 36 =	353	0
			87 - 5 =	492	3	38 - 34 =	348	0
			59 - 8 =	490	0	98 - 90 =	346	11
			77 - 4 =	476	0	48 - 1 =	345	0
			39 - 31 =	476	3	27 - 22 =	343	5
			99 - 6 =	474	5	68 - 61 =	342	0

90 - 89 =	340	3
70 - 1 =	335	0
93 - 2 =	330	0
48 - 7 =	326	11
26 - 3 =	316	0
45 - 42 =	316	0
45 - 3 =	312	3
88 - 7 =	310	3
48 - 41 =	306	3
58 - 54 =	303	5
65 - 1 =	303	0
75 - 2 =	301	8
70 - 69 =	301	0
64 - 3 =	301	5
65 - 64 =	299	3
55 - 2 =	298	5
35 - 2 =	288	14
56 - 50 =	284	3
21 - 2 =	283	3
47 - 42 =	282	0
69 - 60 =	280	0
82 - 81 =	279	0
26 - 23 =	273	5
30 - 29 =	270	5
89 - 9 =	268	0
98 - 8 =	265	5
75 - 73 =	263	0
69 - 9 =	262	5
24 - 1 =	257	0
48 - 47 =	255	3
29 - 20 =	249	0
30 - 1 =	245	0
36 - 30 =	244	0
56 - 6 =	241	0
82 - 1 =	240	3
50 - 49 =	236	3
89 - 80 =	234	0
49 - 40 =	231	5
50 - 1 =	230	0
76 - 6 =	225	0
36 - 6 =	224	3
24 - 23 =	216	0
49 - 9 =	210	0
29 - 9 =	207	0
94 - 4 =	155	0

35	7.56	3.39
36	8.22	7.17
37	7.39	2.78
38	8.28	3.78
39	7.67	2.39
40	8.61	9.72
41	7.83	2.50
42	8.22	3.72
43	6.94	2.50
44	7.67	7.72
45	8.22	4.89
46	7.56	2.78
47	7.33	2.22
48	8.61	4.06
49	7.39	2.83
50	10.06	9.72
51	8.22	2.67
52	7.94	2.67
53	7.28	1.56
54	7.67	3.50
55	7.83	4.89
56	8.06	3.56
57	8.17	1.61
58	7.28	2.67
59	6.94	1.56
60	9.33	9.67
61	8.39	2.39
62	7.5	2.22
63	8.17	2.83
64	7.94	3.22
65	7.5	2.44
66	8.61	8.78
67	6.50	1.22
68	6.94	2.94
69	8.83	2.44
70	8.06	8.00
71	8.33	1.50
72	8.56	3.83
73	7.67	1.44
74	7.17	2.22
75	8.44	3.28
76	6.78	2.11
77	7.17	5.11
78	7.00	1.72
79	7.67	1.11
80	8.72	9.44
81	7.44	4.22
82	7.5	1.83
83	7.39	2.17
84	7.89	2.67
85	6.89	1.44
86	7.89	2.11
87	7.11	1.50
88	7.56	7.39
89	7.33	2.06
90	8.50	7.56
91	8.56	2.78