



RAPID AUTOMATISED NAMING - COLOURS Norms Tables

Longitudinal Norms for British English Children

These norms are based on repeated testing of a cohort of children at five time points between the middle of Reception Year and the middle of Year 2.

Table 1

Descriptive statistics for Rapid Automatised Naming -- Colours (Average Time Taken, Across Two Trials, to Name 40 Depicted Colours) over Five Time Points from Mid-Reception Year to Mid-Year 2.

	n	Mean age months	Mean Time seconds	SD	Min - Max	Reliability Test-retest
Mid-Reception Year	188	60.27	66.34	21.51	32 - 138	.84
End-Reception Year	174	63.27	63.77	21.28	30 - 146	.81
Mid-Year 1	176	68.16	53.40	17.71	28 - 128	.84
End-Year 1	167	75.02	54.31	22.65	18 - 153	.87
Mid-Year 2	166	79.97	48.02	15.92	25 - 112	.90

Table 2

Percentile Ranks Corresponding to the Average Time taken to Name 40 Depicted Items (Over Two Trials) at Each Time Point.

	5 th	10 th	25 th	50 th	75 th	90 th	95 th	99 th
Mid-Reception Year	111	95	77	63	51	45	40	34
End-Reception Year	104	93	73	60	47	42	37	31
Mid-Year 1	90	77	62	49	41	36	33	28
End-Year 1	96	83	63	49	40	33	29	23
Mid-Year 2	80	71	55	46	37	31	30	25

Note: Percentiles are derived from observed sample estimations. The 50th percentile is the median score.

Table 3*

Descriptive statistics for Rapid Automatised Naming -- Objects Errors (average of errors per trial) over Five Time Points from Mid-Reception Year to Mid-Year 2.

	n	Mean age months	Mean errors/trial	SD	Min - Max
Mid-Reception Year	188	60.27	1.61	3.71	0 - 21
End-Reception Year	183	63.27	1.91	2.99	0 - 16
Mid-Year 1	176	68.16	1.14	2.30	0 - 13
End-Year 1	167	75.02	0.89	1.56	0 - 8
Mid-Year 2	172	79.97	0.50	1.11	0 - 7

* Please note, we do not supply percentiles or standardized scores for errors as the error rates are very low.

Table 5

Standard Score Conversion Table with Confidence Intervals (bottom of Table) for Rapid Automatised Naming -- Colours.

The standard scores have a mean of 100, and a standard deviation of 15. Standard scores falling between 85 and 115 points are within the average range. Find the child's raw score (average time taken, across two trials, to name 40 depicted objects) in the relevant column and read across to the left-most column to obtain the corresponding standard score.

Standard Score Conversion Table for Rapid Automatised Naming - Colours					
Standard Score	Mid-Reception	End-Reception	Mid-Year 1	End-Year 1	Mid-Year 2
65	≥ 136	≥ 136	≥ 116	≥ 144	≥ 102
66	135-2	135-1	115-106	142-0	101-0
67	131	130	107		99-8
68	130-129	129-3	106-4	139	97
69	128	122-0	103	138-129	96
70		119	102-0	128	
71	127-6	118-5	99-4	127	95
72	125-2	114-1	93	126-4	94-89
73	121-118	110-107		123-101	88-7
74	117-4	106-5	92-1	102-99	86-3
75	113-110	104	90	98-4	82-0
76	109	103	89	93-0	79
77	108-4	102-0	88	89	78-6
78	103-2	99	87	88	75-4
79	101-99	98	86-3	87-5	73
80	98-6	97-4	82-78	84-3	72
81	95-4	93-2	77-6	82	71-0
82	92	91	75	81-0	69-8
83	91-89	90-87	74-2	79-4	67-6
84	88-7	86-5	70	73-2	65-2
85	86-4	84-1	68-6	71	61
86	83-2	80-79	65	70	60
87	81	78	64	69-7	59-7
88	80	77	63	66	56
89	79	76-4	62	65	55
90	78-7	73		64-1	54
91	76-4			60-59	53

Standard Score Conversion Table for Rapid Automatised Naming – Colours (cont'd)					
Standard Score	Mid-Reception	End-Reception	Mid-Year 1	End-Year 1	Mid-Year 2
92	73	72	61	58	52
93	72	71	60-58	57	51
94	71	70	57	56	50
95	70	69-7	56-4	55	
96	69-8	66-4	53	54	49
97	67-6	63	52	53	48
98	65	62	51	52-1	47
99	64	61	50	50	46
100	63-2	60	49	49	45
101	61-0	59		48	44
102	59-8	58	48	47	43
103	57	57	47	46-5	42
104	56	56	46		
105	55	55	45	44	41
106	54	54-3	44	43	40
107	53	52-1		42	39
108		50	43	41	38
109	52	49	42		
110	51	48	41	40	37
111	50	47	40	39	
112		46			36
113	49		39		
114	48	45		38	
115		44	38		35
116	47			37	
117		43		36-5	34
118	46		37	34	33
119	45	42	36	33	32
120		41-0	35		
121	44-3	39			
122	42			32	31
123	41	38	34	31	
124				30	

Standard Score Conversion Table for Rapid Automatised Naming – Colours (cont'd)					
Standard Score	Mid-Reception	End-Reception	Mid-Year 1	End-Year 1	Mid-Year 2
125	40	37	33		
126	39		32	29	30
127					29
128					
129	38	36	31	28	28
130					
131	37	35		27	27
132					
133	36	34	30	26	
134	35				
135	≤ 34	≤ 32	≤ 28	≤ 27	≤ 25
Confidence Intervals (SEMs) for the standard scores. Add/subtract the CI value to/from the standard score value in the left-most column to obtain the confidence range.					
CI 68% +/-	6	7	6	5	5
CI 95% +/-	12	13	12	11	9