



## RAPID AUTOMATISED NAMING - DIGITS Norms Tables

### Longitudinal Norms for British English Children

These norms are based on repeated testing of a cohort of children at two time points between the end of Year 1 and the middle of Year 2.

Table 1

*Descriptive statistics for Rapid Automatised Naming -- Digits (Average Time Taken, Across Two Trials, to Name 40 Digits) over Two Time Points from End-Year 1 to Mid-Year 2.*

	n	Mean age months	Mean Time seconds	SD	Min - Max	Reliability ICC
End-Year 1	167	75.02	35.41	13.70	18 - 96	.92
Mid-Year 2	166	79.97	30.23	8.53	17 - 67	.94

Table 2

*Percentile Ranks Corresponding to the Average Time Taken to Name 40 Digit Items (Over Two Trials) at Each Time Point.*

	5 <sup>th</sup>	10 <sup>th</sup>	25 <sup>th</sup>	50 <sup>th</sup>	75 <sup>th</sup>	90 <sup>th</sup>	95 <sup>th</sup>	99 <sup>th</sup>
End-Year 1	61	51	40	32	27	23	22	17
Mid-Year 2	49	41	34	28	25	22	21	17

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

Table 3\*

*Descriptive statistics for Rapid Automatised Naming -- Digits Errors (Average of Errors per Trial) over Two Time Points from End-Year 1 to Mid-Year 2.*

	n	Mean age months	Mean errors/trial	SD	Min - Max
End-Year 1	167	75.02	0.31	0.98	0 - 8
Mid-Year 2	172	79.97	0.16	0.40	0 - 3

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

Table 4

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

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 digits) in the relevant column and read across to the left-most column to obtain the corresponding standard score.

<b>Standard Score Conversion Table for Rapid Automatised Naming - Digits</b>		
<b>Standard Score</b>	<b>End-Year 1</b>	<b>Mid-Year 2</b>
65	≥ 88	≥ 58
66	90	
67	89	57
68	88	
69	87	56
70	86-4	
71	83-74	55
72	75-69	54
73	68-6	53
74	65-3	52-1
75	62	50-49
76	61	48-7
77	60	46
78	59-8	45
79	57-6	44
80	55-2	43-2
81	51	41
82	49-8	40
83	47	39
84	46	38
85	45	
86	44	37
87		36
88	43	35
89	42-1	
90	40	34
91	39	33

<b>Standard Score Conversion Table for Rapid Automatised Naming – Digits (cont'd)</b>		
<b>Standard Score</b>	<b>End-Year 1</b>	<b>Mid-Year 2</b>
92	38	
93	37	
94	36	32
95	35	
96		31
97	34	30
98	33	29
99	32	
<b>100</b>	<b>31</b>	<b>28</b>
101		
102		
103	30	27
104		
105		26
106	29	
107		
108	28	
109		
110	27	25
111		
112	26	
113		
114	25	24
115		
116		
117		23
118		
119	24	
120		
121	23	
122		22
123		
124		

<b>Standard Score Conversion Table for Rapid Automatised Naming – Digits (cont'd)</b>		
<b>Standard Score</b>	<b>End-Year 1</b>	<b>Mid-Year 2</b>
125		21
126	22	
127	21	
128	20	20
129		
130		
131	19	
132		19
133		
134		
135	≤ 18	≤ 18
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.		
<b>CI 68% +/-</b>	<b>4</b>	<b>4</b>
<b>CI 95% +/-</b>	<b>8</b>	<b>7</b>