

Relating your test scores to the national standard:

National Test indicator tables 2022

The study: NTS Assessments Maths Year 6

The results in this report are from the study carried out in 2021–22 to correlate NTS Assessment and New PiRA/PUMA test scores with National Test Scaled Scores.

National test indicator tables and scatterplots / linear regression graphs

Teachers may wish to correlate test marks with a particular Scaled Score. These are supplied in the tables below. The Relationship Tables have been created to enable you to monitor the marks children are likely to need in their NTS Assessments, Maths and Reading tests in order to achieve a scaled score of 100 or above when they sit their national tests.

In each of the tables, the first column gives the raw score gained on the test. The middle column shows you the pupil's **estimated Scaled Score**. The numbers on either side of this middle column show the upper and lower 95% confidence intervals (CI) for the estimated Scaled Score. The columns in italics show the outlier range, which individual pupils could demonstrate (these show the bounds within which the majority of children will be scoring. However, like in any predicted relationship, although most children will be close to the estimated Scaled Score, i.e. within this 95% outlier range, children do at times vary quite widely).

**Please note that the tables are indicative only. Other factors can influence a child's performance on any given day. Predictions must be taken with some caution. The tables below were obtained using statistical correlation and regression of the test marks and the results the children obtained in the 2022 National Tests. As with all statistical methods, there are errors of measurement, and so the tables show the 95% confidence interval for the estimated scaled score, and the 95% prediction interval (outlier range) for the regression analysis.*

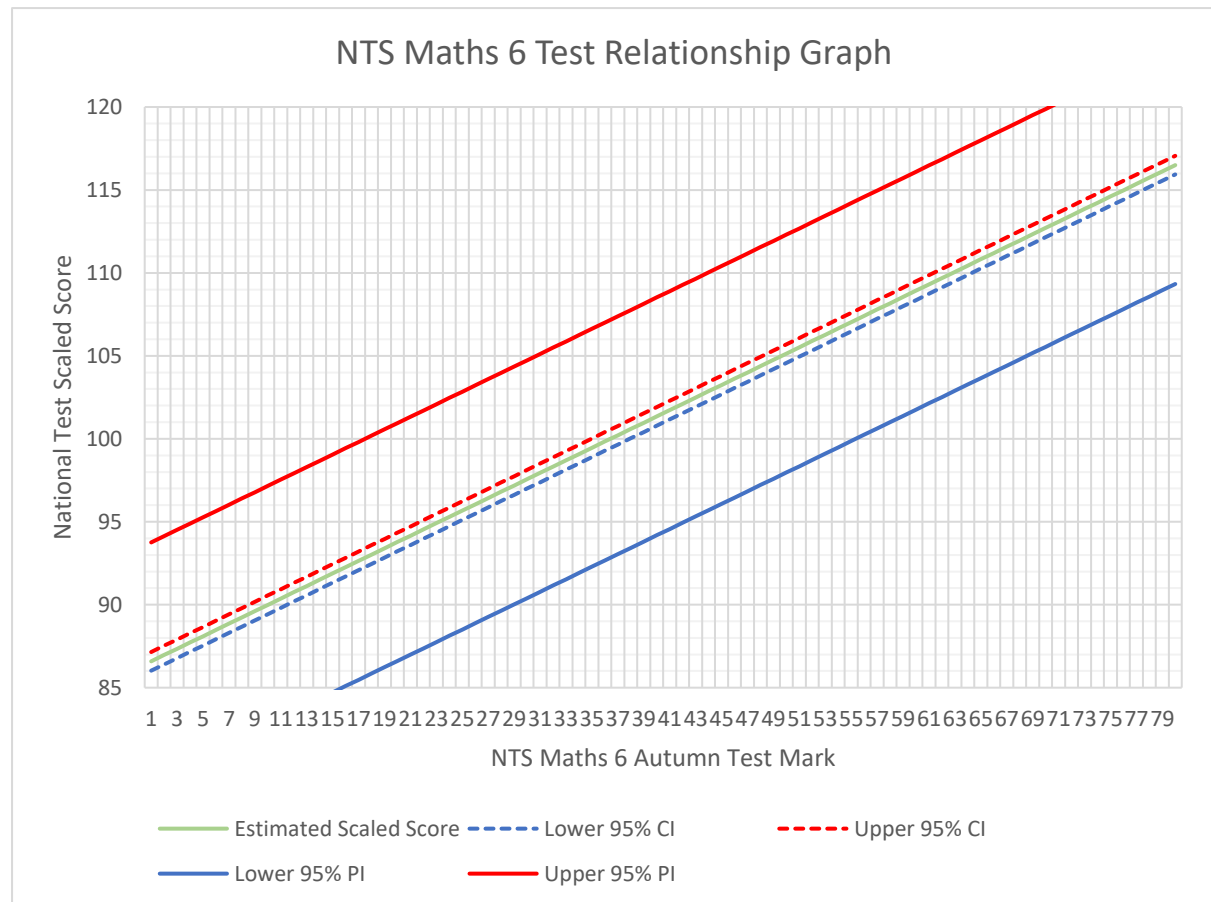
NTS Assessments Maths Year 6 Autumn

National Test indicator table

NTS Maths Autumn Y6 test mark	<i>Outlier range</i>	Lower 95% Confidence limit (CI) of the mean	Estimated KS2 Scaled Score	Upper 95% Confidence limit (CI) of the mean	<i>Outlier range</i>
1	<80	86	87	87	94
2	80	86	87	88	94
3	80	87	87	88	95
4	81	87	88	88	95
5	81	88	88	89	95
6	81	88	88	89	96
7	82	88	89	89	96
8	82	89	89	90	96
9	82	89	90	90	97
10	83	89	90	91	97
11	83	90	90	91	98
12	84	90	91	91	98
13	84	91	91	92	98
14	84	91	92	92	99
15	85	91	92	92	99
16	85	92	92	93	99
17	85	92	93	93	100
18	86	92	93	94	100
19	86	93	93	94	101
20	87	93	94	94	101
21	87	94	94	95	101
22	87	94	95	95	102
23	88	94	95	95	102
24	88	95	95	96	102
25	89	95	96	96	103
26	89	95	96	97	103
27	89	96	96	97	104
28	90	96	97	97	104
29	90	97	97	98	104
30	90	97	98	98	105
31	91	97	98	99	105
32	91	98	98	99	105
33	92	98	99	99	106
34	92	99	99	100	106
35	92	99	99	100	107
36	93	99	100	100	107
37	93	100	100	101	107
38	93	100	101	101	108

39	94	100	101	102	108
40	94	101	101	102	109
41	95	101	102	102	109
42	95	102	102	103	109
43	95	102	102	103	110
44	96	102	103	103	110
45	96	103	103	104	110
46	96	103	104	104	111
47	97	103	104	105	111
48	97	104	104	105	112
49	98	104	105	105	112
50	98	105	105	106	112
51	98	105	106	106	113
52	99	105	106	106	113
53	99	106	106	107	113
54	99	106	107	107	114
55	100	106	107	108	114
56	100	107	107	108	115
57	101	107	108	108	115
58	101	108	108	109	115
59	101	108	109	109	116
60	102	108	109	109	116
61	102	109	109	110	116
62	103	109	110	110	117
63	103	109	110	111	117
64	103	110	110	111	118
65	104	110	111	111	118
66	104	111	111	112	118
67	104	111	112	112	119
68	105	111	112	113	119
69	105	112	112	113	120
70	106	112	113	113	120
71	106	113	113	114	120
72	106	113	113	114	>120
73	107	113	114	114	>120
74	107	114	114	115	>120
75	107	114	115	115	>120
76	108	114	115	116	>120
77	108	115	115	116	>120
78	109	115	116	116	>120
79	109	116	116	117	>120
80	109	116	116	117	>120

National Test indicator linear regression graph



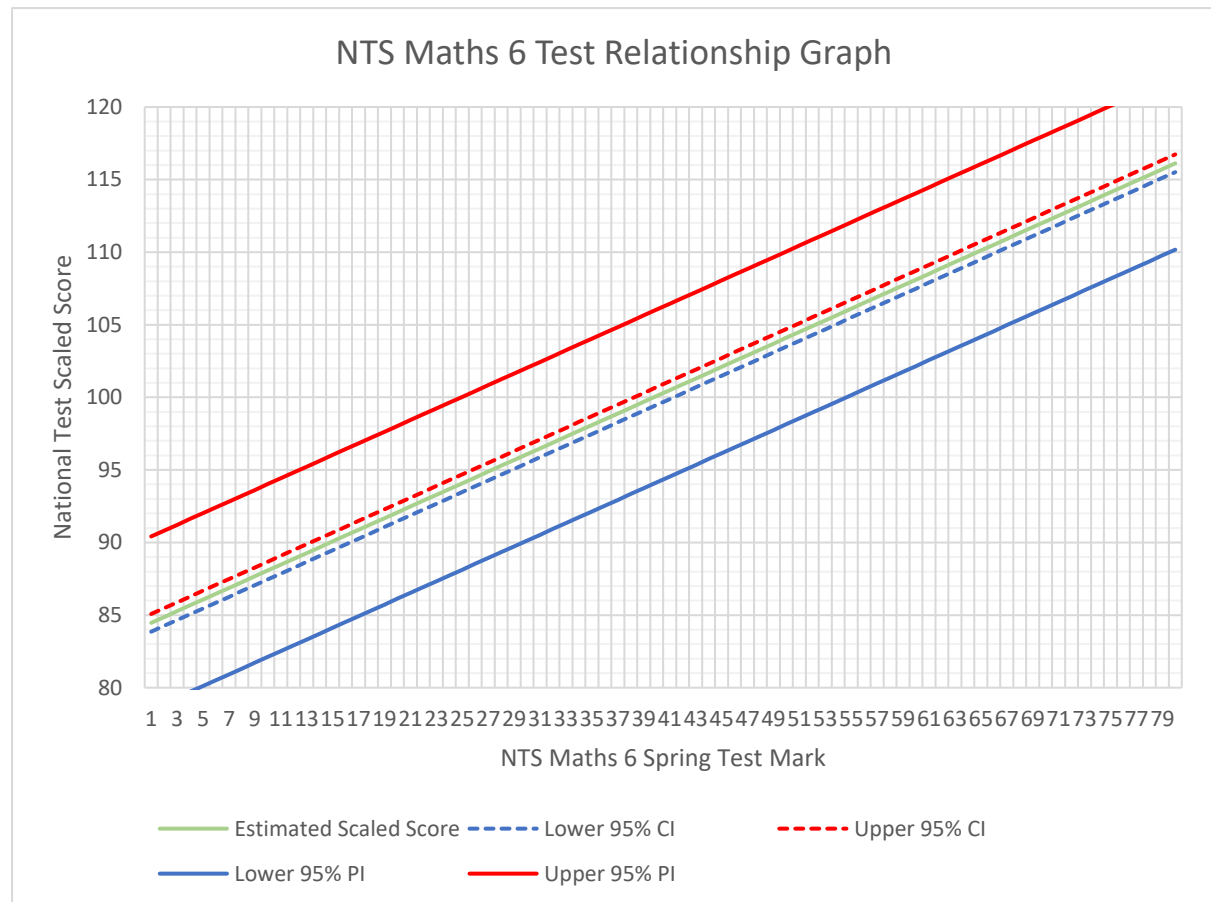
NTS Assessments Maths Year 6 Spring

National Test indicator table

NTS Maths Spring Y6 Test mark	<i>Outlier range</i>	Lower 95% Confidence limit (CI) of the mean	Estimated KS2 Scaled Score	Upper 95% Confidence limit (CI) of the mean	<i>Outlier range</i>
1	<80	84	84	85	90
2	<80	84	85	85	91
3	<80	85	85	86	91
4	80	85	86	86	92
5	80	85	86	87	92
6	81	86	86	87	92
7	81	86	87	87	93
8	81	87	87	88	93
9	82	87	88	88	94
10	82	87	88	89	94
11	83	88	88	89	94
12	83	88	89	89	95
13	83	89	89	90	95
14	84	89	90	90	96
15	84	89	90	91	96
16	85	90	90	91	96
17	85	90	91	91	97
18	85	91	91	92	97
19	86	91	92	92	98
20	86	91	92	93	98
21	87	92	92	93	98
22	87	92	93	93	99
23	87	93	93	94	99
24	88	93	94	94	100
25	88	93	94	95	100
26	89	94	94	95	100
27	89	94	95	95	101
28	89	95	95	96	101
29	90	95	96	96	102
30	90	95	96	97	102
31	91	96	96	97	102
32	91	96	97	97	103
33	91	97	97	98	103
34	92	97	98	98	104
35	92	97	98	99	104
36	93	98	98	99	104
37	93	98	99	100	105
38	93	99	99	100	105

39	94	99	100	100	106
40	94	99	100	101	106
41	95	100	100	101	106
42	95	100	101	102	107
43	95	101	101	102	107
44	96	101	102	102	108
45	96	101	102	103	108
46	97	102	102	103	108
47	97	102	103	104	109
48	97	103	103	104	109
49	98	103	104	104	110
50	98	103	104	105	110
51	99	104	105	105	110
52	99	104	105	106	111
53	99	105	105	106	111
54	100	105	106	106	112
55	100	105	106	107	112
56	101	106	107	107	112
57	101	106	107	108	113
58	101	107	107	108	113
59	102	107	108	108	114
60	102	107	108	109	114
61	103	108	109	109	114
62	103	108	109	110	115
63	103	109	109	110	115
64	104	109	110	110	116
65	104	109	110	111	116
66	105	110	111	111	116
67	105	110	111	112	117
68	105	111	111	112	117
69	106	111	112	112	118
70	106	112	112	113	118
71	107	112	113	113	118
72	107	112	113	114	119
73	107	113	113	114	119
74	108	113	114	114	120
75	108	114	114	115	120
76	109	114	115	115	120
77	109	114	115	116	>120
78	109	115	115	116	>120
79	110	115	116	116	>120
80	110	116	116	117	>120

National Test indicator linear regression graph



NTS Assessments Maths Year 6 Summer

National Test indicator table

NTS Maths Summer Y6 Test mark	<i>Outlier range</i>	Lower 95% Confidence limit (CI) of the mean	Estimated KS2 Scaled Score	Upper 95% Confidence limit (CI) of the mean	<i>Outlier range</i>
1	<80	85	86	86	93
2	<80	85	86	87	93
3	<80	85	86	87	94
4	<80	86	86	87	94
5	<80	86	87	87	94
6	80	86	87	88	94
7	80	86	87	88	95
8	80	87	88	88	95
9	80	87	88	89	95
10	81	87	88	89	95
11	81	88	88	89	96
12	81	88	89	89	96
13	82	88	89	90	96
14	82	88	89	90	97
15	82	89	89	90	97
16	82	89	90	91	97
17	83	89	90	91	97
18	83	90	90	91	98
19	83	90	91	91	98
20	83	90	91	92	98
21	84	90	91	92	99
22	84	91	91	92	99
23	84	91	92	92	99
24	85	91	92	93	99
25	85	91	92	93	100
26	85	92	93	93	100
27	85	92	93	94	100
28	86	92	93	94	100
29	86	93	93	94	101
30	86	93	94	94	101
31	87	93	94	95	101
32	87	93	94	95	102
33	87	94	94	95	102
34	87	94	95	96	102
35	88	94	95	96	102
36	88	94	95	96	103
37	88	95	96	96	103
38	88	95	96	97	103

39	89	95	96	97	103
40	89	96	96	97	104
41	89	96	97	97	104
42	90	96	97	98	104
43	90	96	97	98	105
44	90	97	97	98	105
45	90	97	98	99	105
46	91	97	98	99	105
47	91	98	98	99	106
48	91	98	99	99	106
49	91	98	99	100	106
50	92	98	99	100	107
51	92	99	99	100	107
52	92	99	100	100	107
53	93	99	100	101	107
54	93	99	100	101	108
55	93	100	101	101	108
56	93	100	101	102	108
57	94	100	101	102	108
58	94	101	101	102	109
59	94	101	102	102	109
60	95	101	102	103	109
61	95	101	102	103	110
62	95	102	102	103	110
63	95	102	103	104	110
64	96	102	103	104	110
65	96	103	103	104	111
66	96	103	104	104	111
67	96	103	104	105	111
68	97	103	104	105	112
69	97	104	104	105	112
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71	98	104	105	106	112
72	98	104	105	106	113
73	98	105	106	106	113
74	98	105	106	107	113
75	99	105	106	107	113
76	99	106	106	107	114
77	99	106	107	107	114
78	100	106	107	108	114
79	100	106	107	108	115
80	100	107	107	108	115
81	100	107	108	109	115
82	101	107	108	109	115

83	101	107	108	109	116
84	101	108	109	109	116
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102	106	113	114	114	>120
103	106	113	114	115	>120
104	107	113	114	115	>120
105	107	114	114	115	>120
106	107	114	115	115	>120
107	108	114	115	116	>120
108	108	114	115	116	>120
109	108	115	115	116	>120
110	108	115	116	117	>120

National Test indicator linear regression graph

