

Relating your test scores to the national standard:

National Test indicator tables 2022

The study: New PiRA Year 6

The results in this report are from the study carried out in 2021–22 to correlate New PiRA/PUMA and NTS Assessment 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 New PiRA and PUMA 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.*

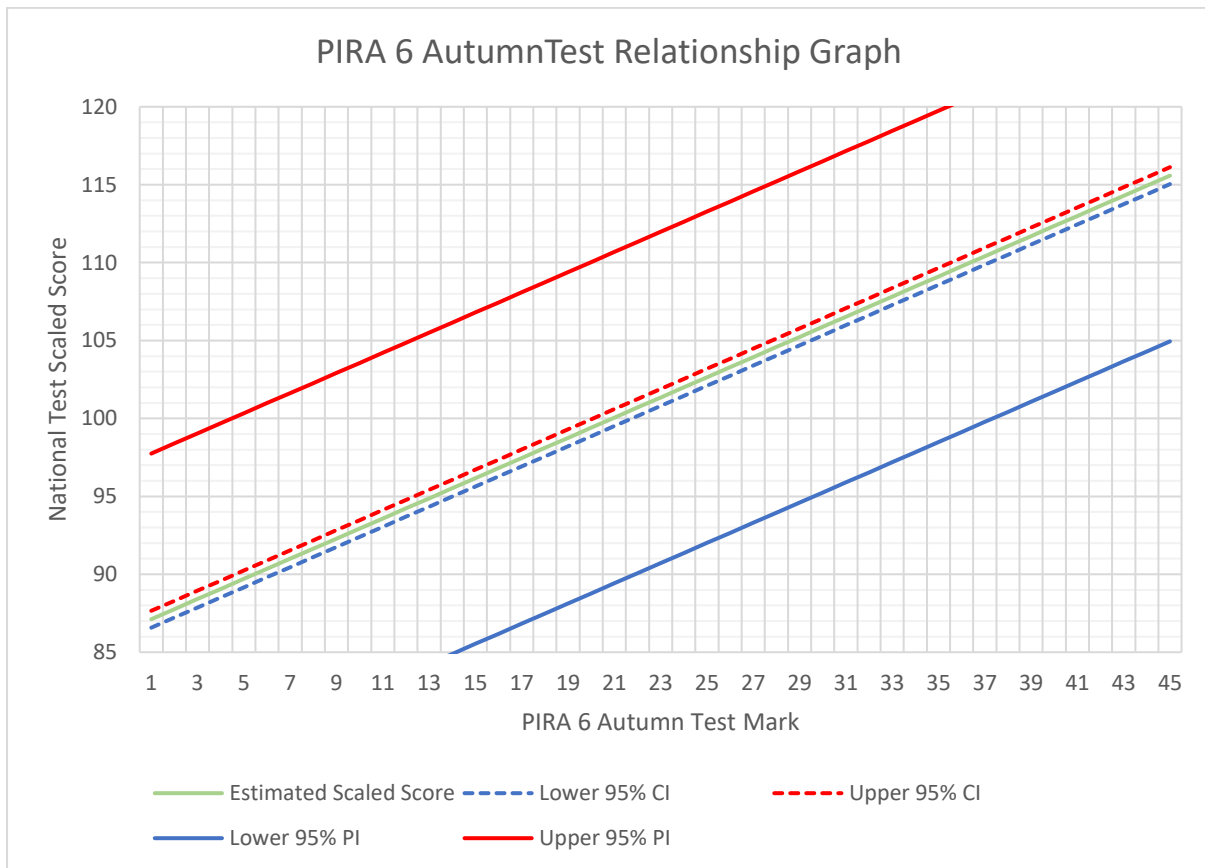
New PiRA Year 6 Autumn

National Test indicator table

New PiRA 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	87	87	88	98
2	<80	87	88	88	98
3	<80	88	88	89	99
4	<80	89	89	90	100
5	<80	89	90	90	100
6	80	90	90	91	101
7	80	90	91	92	102
8	81	91	92	92	102
9	82	92	92	93	103
10	82	92	93	93	104
11	83	93	94	94	104
12	84	94	94	95	105
13	84	94	95	95	106
14	85	95	96	96	106
15	86	96	96	97	107
16	86	96	97	97	107
17	87	97	97	98	108
18	87	98	98	99	109
19	88	98	99	99	109
20	89	99	99	100	110
21	89	100	100	101	111
22	90	100	101	101	111
23	91	101	101	102	112
24	91	101	102	103	113
25	92	102	103	103	113
26	93	103	103	104	114
27	93	103	104	104	115
28	94	104	105	105	115
29	95	105	105	106	116
30	95	105	106	106	117
31	96	106	107	107	117
32	97	107	107	108	118
33	97	107	108	108	118
34	98	108	108	109	119
35	98	109	109	110	120
36	99	109	110	110	120
37	100	110	110	111	>120
38	100	111	111	112	>120

39	101	111	112	112	>120
40	102	112	112	113	>120
41	102	112	113	114	>120
42	103	113	114	114	>120
43	104	114	114	115	>120
44	104	114	115	115	>120
45	105	115	116	116	>120

National Test indicator linear regression graph



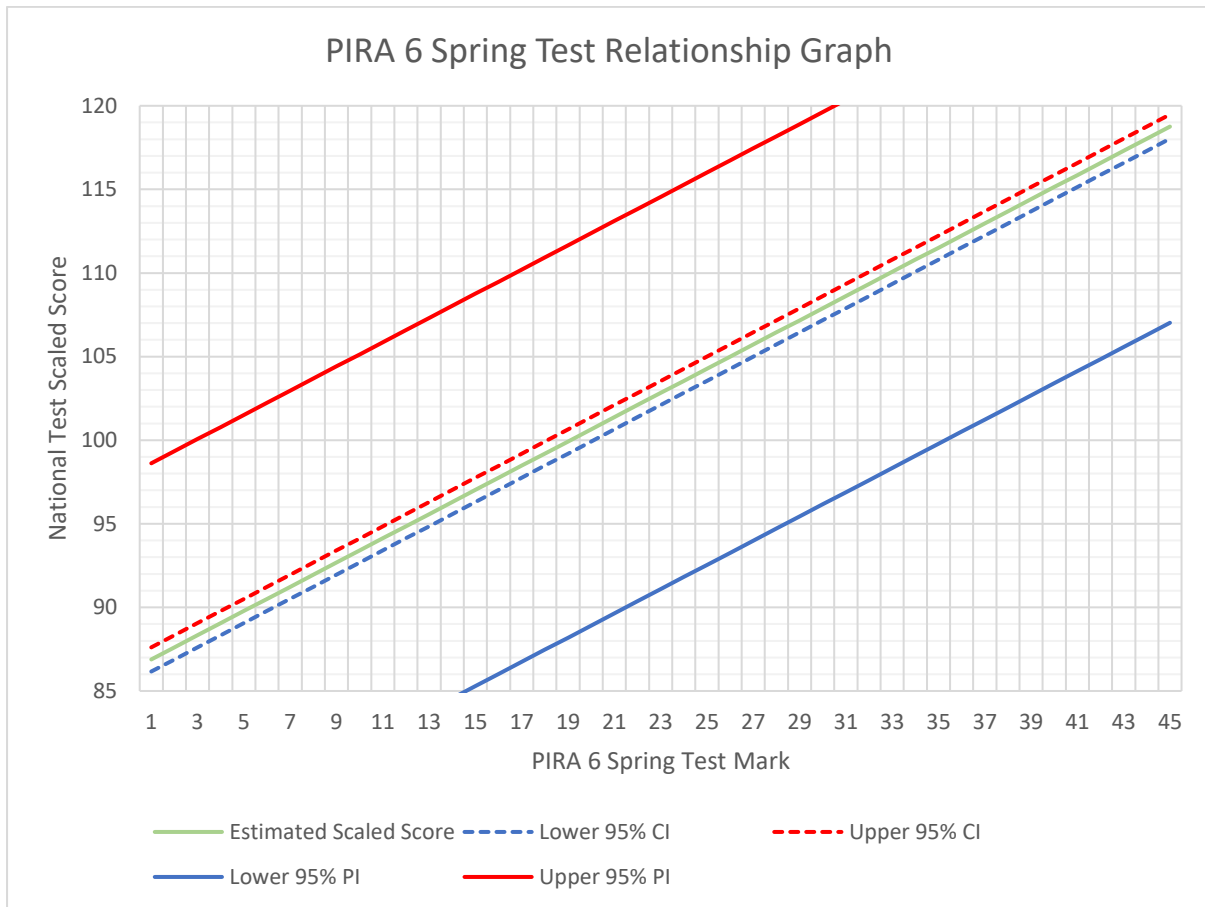
New PiRA Year 6 Spring

National Test indicator table

New PiRA 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	86	87	88	99
2	<80	87	88	88	99
3	<80	88	88	89	100
4	<80	88	89	90	101
5	<80	89	90	91	102
6	<80	90	91	91	102
7	80	91	91	92	103
8	80	91	92	93	104
9	81	92	93	93	104
10	82	93	93	94	105
11	82	93	94	95	106
12	83	94	95	96	107
13	84	95	96	96	107
14	85	96	96	97	108
15	85	96	97	98	109
16	86	97	98	98	109
17	87	98	98	99	110
18	87	98	99	100	111
19	88	99	100	101	112
20	89	100	101	101	112
21	90	101	101	102	113
22	90	101	102	103	114
23	91	102	103	104	115
24	92	103	104	104	115
25	93	104	104	105	116
26	93	104	105	106	117
27	94	105	106	106	117
28	95	106	106	107	118
29	95	106	107	108	119
30	96	107	108	109	120
31	97	108	109	109	120
32	98	109	109	110	>120
33	98	109	110	111	>120
34	99	110	111	112	>120
35	100	111	112	112	>120
36	101	112	112	113	>120
37	101	112	113	114	>120
38	102	113	114	114	>120

39	103	114	114	115	>120
40	103	114	115	116	>120
41	104	115	116	117	>120
42	105	116	117	117	>120
43	106	117	117	118	>120
44	106	117	118	119	>120
45	107	118	119	119	>120

National Test indicator linear regression graph



New PiRA Year 6 Summer

National Test indicator table

New PiRA 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	87	97
2	<80	86	87	87	98
3	<80	87	88	88	99
4	<80	88	88	89	99
5	<80	88	89	90	100
6	<80	89	90	90	101
7	<80	90	90	91	102
8	80	90	91	92	102
9	81	91	92	92	103
10	81	92	93	93	104
11	82	93	93	94	104
12	83	93	94	95	105
13	84	94	95	95	106
14	84	95	95	96	107
15	85	95	96	97	107
16	86	96	97	97	108
17	86	97	98	98	109
18	87	98	98	99	109
19	88	98	99	100	110
20	89	99	100	100	111
21	89	100	100	101	112
22	90	101	101	102	112
23	91	101	102	102	113
24	91	102	103	103	114
25	92	103	103	104	114
26	93	103	104	105	115
27	94	104	105	105	116
28	94	105	105	106	117
29	95	106	106	107	117
30	96	106	107	107	118
31	96	107	108	108	119
32	97	108	108	109	119
33	98	108	109	110	120
34	99	109	110	110	>120
35	99	110	110	111	>120
36	100	111	111	112	>120
37	101	111	112	112	>120
38	101	112	113	113	>120

39	102	113	113	114	>120
40	103	113	114	115	>120
41	104	114	115	115	>120
42	104	115	115	116	>120
43	105	116	116	117	>120
44	106	116	117	117	>120
45	106	117	118	118	>120

National Test indicator linear regression graph

