

Relating your test scores to the national standard:

National Test indicator tables 2022

The study: New PUMA 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 PUMA and PIRA 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.*

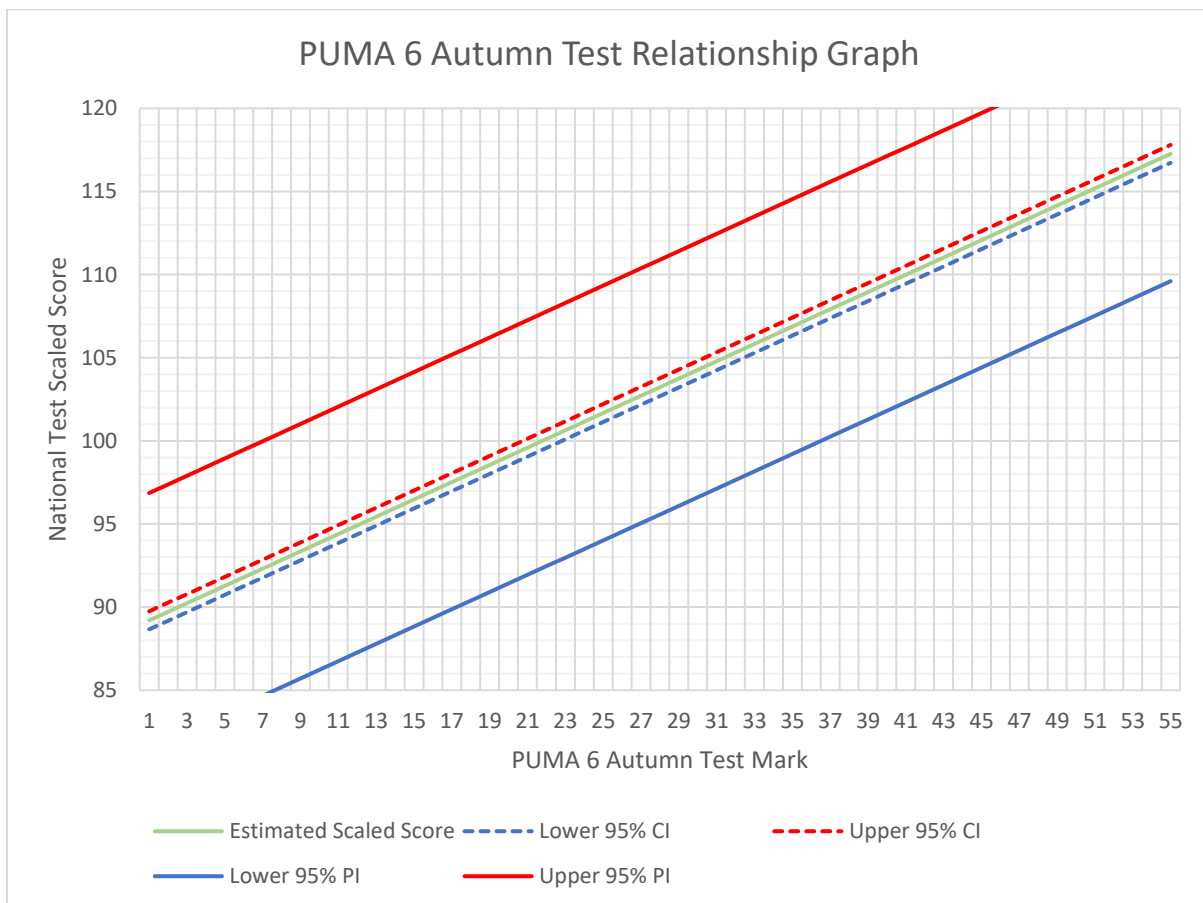
New PUMA Year 6 Autumn

National Test indicator table

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

39	101	108	109	109	117
40	102	109	109	110	117
41	102	109	110	111	118
42	103	110	111	111	118
43	103	110	111	112	119
44	104	111	112	112	119
45	104	112	112	113	120
46	105	112	113	113	120
47	105	113	113	114	>120
48	106	113	114	114	>120
49	106	114	114	115	>120
50	107	114	115	115	>120
51	108	115	115	116	>120
52	108	115	116	116	>120
53	109	116	116	117	>120
54	109	116	117	117	>120
55	110	117	117	118	>120

National Test indicator linear regression graph



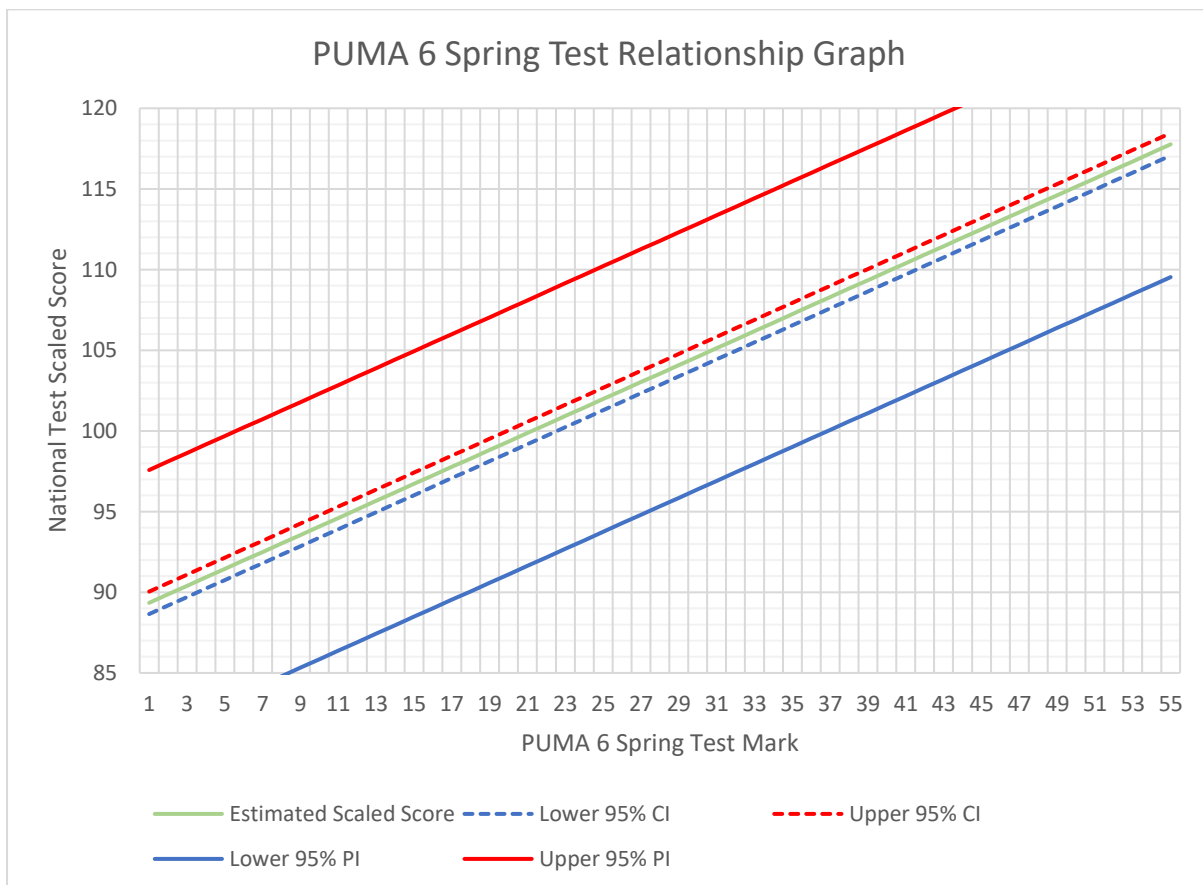
New PUMA Year 6 Spring

National Test indicator table

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

39	101	109	109	110	118
40	102	109	110	111	118
41	102	110	110	111	119
42	103	110	111	112	119
43	103	111	111	112	120
44	104	111	112	113	120
45	104	112	113	113	>120
46	105	112	113	114	>120
47	105	113	114	114	>120
48	106	113	114	115	>120
49	106	114	115	115	>120
50	107	114	115	116	>120
51	107	115	116	116	>120
52	108	115	116	117	>120
53	108	116	117	117	>120
54	109	117	117	118	>120
55	110	117	118	118	>120

National Test indicator linear regression graph



New PUMA Year 6 Summer

National Test indicator table

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

39	103	109	110	110	117
40	103	110	110	111	117
41	104	110	111	111	118
42	104	111	111	112	118
43	105	111	112	112	119
44	105	112	112	113	119
45	106	112	113	113	120
46	106	113	113	114	120
47	107	113	114	114	>120
48	107	114	114	115	>120
49	108	114	115	115	>120
50	108	115	115	116	>120
51	109	115	116	116	>120
52	109	116	116	117	>120
53	110	116	117	117	>120
54	110	117	117	118	>120
55	111	117	118	118	>120

National Test indicator linear regression graph

