

# Calculating learners' scores Welsh Reading Tests Years 2–9

National Reading Tests

**2015**



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Llywodraeth Cymru  
Welsh Government

## Purpose of this document

The purpose of this booklet is to enable schools to convert raw scores from the tests to age-standardised scores and progress measures where these have not been collected via the Welsh National Tests Data Collection (WNTDC). This will be relevant for independent schools. It will also be relevant where a learner has taken a test outside of the test window or an out-of-year test for diagnostic purposes.

Please note: only progress measures can be calculated for learners taking out-of-year tests.

## Calculating learners' scores from national tests

The age-standardised scores and the progress measures were established using the data submitted by all Welsh-medium schools in Wales with learners who had taken the 'live' Welsh reading tests in April/May 2015.

Scores compare learners to other learners taking the Welsh reading test.

## Age-standardised scores

The age-standardised score scales make it possible to compare an individual learner's performance on the test in 2015 with the performance of all other learners of the same age, in years and completed months, taking the test.

Age-standardised scores are adjusted for age.

## Working out age at date of test

You can use the 'age calculator' tool at [learning.gov.wales/resources/browse-all/reporting-and-interpreting-national-test-results/?lang=en](http://learning.gov.wales/resources/browse-all/reporting-and-interpreting-national-test-results/?lang=en) to calculate age at date of test using the learner's date of birth and the date on which the test was taken. This will give you the learner's age in years and completed months.

## Working out an age-standardised score

To work out the age-standardised score for an individual learner you will need:

- their raw score (total number of marks awarded when the test was marked)
- their age on the date the test was taken in years and **completed** months.

Use Tables 1–4 to look up the corresponding age-standardised score. Using the appropriate table for the test taken, locate the learner's raw score on the left-hand side of the table. Then read across the row to the column headed by the learner's age. The age-standardised score for this learner is in the cell where the row and column intersect. For example, a learner who has taken test CB3 and is 9 years and 3 months (9.03) and has a raw score of 23 would have an age-standardised score of 103.

## Interpreting an age-standardised score

When age-standardised score scales are developed, the average raw score for all the learners of a given age taking the test is set to be equivalent to a standardised score of

100. About 68 per cent of learners would be expected to have age-standardised scores between 85 and 115. An age-standardised score lower than 85 **might** suggest some difficulty with reading as measured on the test. An age-standardised score greater than 115 **might** suggest that a learner is performing well in comparison to other learners of the same age and that it may be appropriate to provide them with more challenging reading-related activities.

Very low age-standardised scores are shown in the table as \* which can be interpreted as 'less than 70' and very high scores are shown as \*\*, which can be interpreted as 'more than 140'. The tests are designed to measure the range of performance in reading that would be expected from learners in the specified year groups. In the case of learners whose reading skills are developing more slowly than would be expected for their age or learners who achieve very highly on the tests, their scores cannot be determined as accurately as those for learners scoring within the range expected. If a school wishes to calculate class averages, the use of 69 or 141 would be accurate enough estimates for these learners.

**Table 1: CA3 raw score to age-standardised score conversion table**

<b>Year 2/3 Welsh CA3</b>													
<b>Raw score</b>	<b>Age in years and (completed) months</b>												
	<b>6.08</b>	<b>6.09</b>	<b>6.10</b>	<b>6.11</b>	<b>7.00</b>	<b>7.01</b>	<b>7.02</b>	<b>7.03</b>	<b>7.04</b>	<b>7.05</b>	<b>7.06</b>	<b>7.07</b>	<b>7.08</b>
0	*	*	*	*	*	*	*	*	*	*	*	*	*
1	*	*	*	*	*	*	*	*	*	*	*	*	*
2	70	70	71	71	71	70	*	*	*	*	*	*	*
3	73	74	74	74	74	73	73	72	71	71	70	*	*
4	77	78	78	78	78	77	76	75	74	74	73	72	71
5	81	81	81	81	81	80	79	78	78	77	76	75	74
6	84	84	84	84	83	82	81	81	80	79	78	77	76
7	86	86	86	86	85	85	84	83	82	81	81	80	79
8	89	89	88	88	87	87	86	85	84	83	83	82	81
9	91	91	90	90	89	88	87	87	86	85	84	83	83
10	93	93	92	91	91	90	89	88	88	87	86	85	84
11	94	94	94	93	92	91	90	90	89	88	87	87	86
12	96	96	95	94	93	93	92	91	90	89	89	88	87
13	97	97	96	96	95	94	93	92	92	91	90	89	88
14	98	98	98	97	96	95	95	94	93	92	91	90	89
15	100	99	99	98	97	97	96	95	95	94	93	92	91
16	101	101	100	99	99	98	97	97	96	95	94	93	92
17	103	102	102	101	100	99	98	98	97	96	95	94	93
18	103	103	103	102	101	100	100	99	98	97	96	95	94
19	105	104	104	103	102	102	101	100	99	98	97	96	95
20	106	106	105	104	103	103	102	101	100	99	98	97	97
21	107	107	107	106	105	104	103	102	102	101	100	99	98
22	109	108	108	107	106	105	104	104	103	102	101	100	99
23	110	110	109	108	107	106	106	105	104	103	102	101	100
24	111	111	111	109	108	108	107	106	105	104	103	102	102

## Year 2/3 Welsh CA3

Raw score	Age in years and (completed) months											
	7.09	7.10	7.11	8.00	8.01	8.02	8.03	8.04	8.05	8.06	8.07	8.08
0	*	*	*	*	*	*	*	*	*	*	*	*
1	*	*	*	*	*	*	*	*	*	*	*	*
2	*	*	*	*	*	*	*	*	*	*	*	*
3	*	*	*	*	*	*	*	*	*	*	*	*
4	70	70	70	70	70	*	*	*	*	*	*	*
5	73	73	73	72	72	71	71	71	71	70	70	70
6	75	75	75	75	74	74	73	73	72	72	72	71
7	78	77	77	77	76	76	75	75	74	74	73	73
8	80	80	79	79	79	78	77	76	76	75	75	75
9	82	81	81	81	80	80	79	78	77	77	77	76
10	83	83	83	82	82	81	81	80	79	78	78	78
11	85	84	84	84	83	83	82	81	80	80	80	80
12	86	86	85	85	85	84	83	83	82	81	81	81
13	87	87	87	86	86	85	85	84	83	82	82	82
14	89	88	88	87	87	86	86	85	84	84	83	83
15	90	89	89	89	88	88	87	86	85	85	84	84
16	91	90	90	90	89	89	88	87	87	86	85	85
17	92	92	91	91	90	90	89	89	88	87	87	86
18	93	93	92	92	91	91	90	90	89	88	88	87
19	94	94	93	93	92	92	91	91	90	89	89	89
20	96	95	95	94	94	93	92	92	91	90	90	90
21	97	96	96	95	95	94	94	93	92	91	91	91
22	98	98	97	97	96	95	95	94	93	93	92	92
23	99	99	98	98	97	97	96	95	95	94	93	93
24	101	100	100	99	99	98	98	97	96	95	95	95

### Year 2/3 Welsh CA3

Raw score	Age in years and (completed) months												
	6.08	6.09	6.10	6.11	7.00	7.01	7.02	7.03	7.04	7.05	7.06	7.07	7.08
25	113	113	112	111	110	109	109	108	107	106	105	104	103
26	115	114	113	112	111	111	110	109	108	107	106	105	105
27	117	116	115	114	113	112	112	111	110	109	108	107	106
28	119	118	117	116	115	114	113	113	112	111	110	109	108
29	121	120	120	118	117	117	116	115	114	113	112	111	110
30	124	124	122	121	120	119	118	118	117	116	115	114	113
31	127	127	126	124	123	122	121	120	120	119	118	117	116
32	130	130	129	128	127	126	125	124	124	123	121	120	119
33	133	133	133	132	131	131	130	129	128	127	127	126	125
34	136	136	136	136	135	135	134	133	132	132	132	131	130
35	139	139	139	139	140	140	139	138	137	137	137	137	136

### Year 2/3 Welsh CA3

Raw score	Age in years and (completed) months											
	7.09	7.10	7.11	8.00	8.01	8.02	8.03	8.04	8.05	8.06	8.07	8.08
25	102	101	101	101	100	100	99	98	98	97	96	96
26	104	103	103	102	102	101	101	100	99	98	98	97
27	105	105	104	104	103	103	102	102	101	100	100	99
28	107	107	106	106	105	105	104	103	103	102	102	101
29	110	109	108	108	108	107	106	105	105	104	104	103
30	112	111	111	110	110	109	108	108	107	106	106	106
31	115	114	114	113	113	112	111	110	110	109	109	108
32	119	118	118	117	116	115	115	114	113	113	112	112
33	124	123	123	122	121	120	119	118	118	117	117	117
34	130	129	129	128	128	127	126	126	125	124	124	124
35	136	136	135	135	135	135	135	135	134	134	134	134

**Table 2: CB3 raw score to age-standardised score conversion table**

<b>Year 4/5 Welsh CB3</b>													
<b>Raw score</b>	<b>Age in years and (completed) months</b>												
	<b>8.08</b>	<b>8.09</b>	<b>8.10</b>	<b>8.11</b>	<b>9.00</b>	<b>9.01</b>	<b>9.02</b>	<b>9.03</b>	<b>9.04</b>	<b>9.05</b>	<b>9.06</b>	<b>9.07</b>	<b>9.08</b>
0	*	*	*	*	*	*	*	*	*	*	*	*	*
1	*	*	*	*	*	*	*	*	*	*	*	*	*
2	*	*	*	*	*	*	*	*	*	*	*	*	*
3	72	72	72	72	72	72	71	70	70	*	*	*	*
4	75	75	75	75	75	75	74	73	73	72	72	72	72
5	79	79	79	79	79	78	77	76	76	75	75	75	74
6	82	82	82	82	82	81	80	79	79	78	78	78	77
7	85	85	85	85	84	83	83	82	81	81	80	80	80
8	87	87	87	87	86	85	85	84	83	82	82	82	81
9	89	89	89	88	88	87	86	86	85	84	84	84	83
10	90	90	90	90	89	89	88	87	86	86	86	85	85
11	92	92	92	92	91	90	89	88	88	87	87	87	86
12	94	94	94	93	92	91	91	90	89	89	88	88	88
13	96	95	95	94	93	93	92	91	90	90	90	89	89
14	97	97	96	96	95	94	93	92	92	91	91	91	90
15	98	98	98	97	96	95	94	94	93	93	92	92	91
16	100	99	99	98	97	96	95	95	94	94	93	93	92
17	101	101	100	99	99	98	96	96	95	95	95	94	94
18	102	102	101	101	100	99	98	97	96	96	96	96	95
19	104	103	103	102	101	100	99	98	98	97	97	97	96
20	105	105	104	103	102	101	100	99	99	99	98	98	97
21	106	106	105	104	104	103	101	101	100	100	100	99	99
22	108	107	107	106	105	104	103	102	101	101	101	100	100
23	109	109	108	107	106	105	104	103	102	102	102	102	101
24	110	110	109	109	108	107	105	104	104	103	103	103	102



### Year 4/5 Welsh CB3

Raw score	Age in years and (completed) months											
	9.09	9.10	9.11	10.00	10.01	10.02	10.03	10.04	10.05	10.06	10.07	10.08
0	*	*	*	*	*	*	*	*	*	*	*	*
1	*	*	*	*	*	*	*	*	*	*	*	*
2	*	*	*	*	*	*	*	*	*	*	*	*
3	*	*	*	*	*	*	*	*	*	*	*	*
4	71	70	70	70	70	70	*	*	*	*	*	*
5	73	73	72	72	72	72	71	71	71	70	70	*
6	76	75	75	74	74	74	73	73	73	72	72	71
7	78	77	77	77	77	76	75	75	75	74	74	73
8	80	79	79	79	79	78	77	77	77	76	76	75
9	82	81	81	81	80	80	80	79	79	78	78	77
10	84	83	82	82	82	81	81	80	80	80	80	79
11	85	84	84	84	83	83	82	82	81	81	81	81
12	87	86	85	85	85	84	83	83	83	83	82	82
13	88	87	86	86	86	85	85	84	84	84	84	83
14	89	88	88	87	87	86	86	85	85	85	85	85
15	90	90	89	88	88	88	87	86	86	86	86	86
16	92	91	90	90	89	89	88	88	87	87	87	87
17	93	92	91	91	90	90	89	89	89	88	88	88
18	94	93	92	92	91	91	90	90	90	89	89	89
19	95	95	94	93	93	92	92	91	91	91	90	90
20	97	96	95	94	94	93	93	92	92	92	91	91
21	98	97	96	96	95	95	94	94	93	93	93	92
22	99	98	98	97	96	96	95	95	95	94	94	94
23	100	99	99	98	98	97	96	96	96	95	95	95
24	102	101	100	99	99	98	98	97	97	97	96	96

### Year 4/5 Welsh CB3

Raw score	Age in years and (completed) months												
	8.08	8.09	8.10	8.11	9.00	9.01	9.02	9.03	9.04	9.05	9.06	9.07	9.08
25	112	111	111	110	109	108	107	106	105	105	104	104	104
26	113	113	112	111	110	110	108	107	106	106	106	106	105
27	115	114	114	113	112	111	110	109	108	107	107	107	107
28	117	116	115	115	114	113	112	111	110	109	109	109	108
29	119	118	117	116	116	115	114	112	111	111	110	110	110
30	120	120	119	118	118	117	116	114	113	113	112	112	112
31	123	122	121	120	119	119	118	117	115	115	114	114	114
32	125	125	124	123	121	121	120	119	118	117	117	117	116
33	128	127	127	126	124	124	123	122	121	120	120	119	119
34	130	130	129	128	128	127	126	125	124	124	123	123	122
35	132	132	132	131	131	130	129	129	128	127	127	127	126
36	135	135	134	134	134	133	132	132	132	131	131	130	130
37	137	137	137	137	137	136	136	135	135	135	135	134	134
38	140	140	139	140	140	139	139	139	139	139	138	138	138

### Year 4/5 Welsh CB3

Raw score	Age in years and (completed) months											
	9.09	9.10	9.11	10.00	10.01	10.02	10.03	10.04	10.05	10.06	10.07	10.08
25	103	102	101	101	100	99	99	98	98	98	97	97
26	104	104	103	102	102	101	100	100	99	99	99	98
27	106	105	104	104	103	102	102	101	101	100	100	100
28	108	107	106	105	105	104	103	103	102	102	102	101
29	109	109	108	107	107	106	105	105	104	104	104	103
30	111	111	110	109	109	108	107	106	106	106	105	105
31	113	113	112	111	111	110	109	109	108	108	107	107
32	116	115	114	114	113	112	112	111	110	110	110	109
33	118	118	117	116	115	115	114	114	113	113	113	112
34	122	121	120	120	119	118	118	117	117	117	116	116
35	126	125	125	124	123	122	122	121	121	121	120	120
36	130	130	129	129	128	127	127	127	126	126	126	126
37	134	134	134	133	133	132	132	132	132	132	132	131
38	138	138	138	138	137	137	137	137	137	138	137	137

**Table 3: CC3 raw score to age-standardised score conversion table**

<b>Year 6/7 Welsh CC3</b>													
<b>Raw score</b>	<b>Age in years and (completed) months</b>												
	<b>10.08</b>	<b>10.09</b>	<b>10.10</b>	<b>10.11</b>	<b>11.00</b>	<b>11.01</b>	<b>11.02</b>	<b>11.03</b>	<b>11.04</b>	<b>11.05</b>	<b>11.06</b>	<b>11.07</b>	<b>11.08</b>
0	*	*	*	*	*	*	*	*	*	*	*	*	*
1	*	*	*	*	*	*	*	*	*	*	*	*	*
2	*	*	*	*	*	*	*	*	*	*	*	*	*
3	*	*	*	*	*	*	*	*	*	*	*	*	*
4	*	*	*	*	*	*	*	*	*	*	*	*	*
5	71	71	71	71	71	71	71	70	*	*	*	*	70
6	73	73	73	73	73	73	72	72	71	70	70	71	72
7	75	76	75	75	75	75	74	74	73	72	72	73	74
8	78	78	78	77	77	77	76	76	75	74	74	75	77
9	80	80	80	79	79	78	78	78	77	76	76	77	79
10	82	82	81	81	80	80	80	79	79	78	78	79	80
11	84	83	83	82	82	81	81	81	80	80	80	81	82
12	85	85	85	84	83	83	82	82	81	81	81	82	83
13	87	86	86	85	85	84	84	83	83	82	82	83	84
14	88	88	88	87	86	86	85	85	84	84	84	84	86
15	89	89	89	88	88	87	87	86	85	85	85	86	87
16	91	91	90	90	89	88	88	87	87	86	86	87	88
17	92	92	92	91	90	90	89	89	88	88	87	88	89
18	93	93	93	92	92	91	90	90	89	89	89	89	90
19	94	94	94	93	93	92	91	91	90	90	90	90	91
20	96	96	95	95	94	93	93	92	92	91	91	91	93
21	97	97	97	96	95	95	94	93	93	92	92	93	94
22	99	98	98	97	97	96	95	94	94	93	93	94	95
23	100	100	99	99	98	97	97	96	95	95	95	95	96
24	101	101	100	100	99	99	98	97	97	96	96	97	98

### Year 6/7 Welsh CC3

Raw score	Age in years and (completed) months											
	11.09	11.10	11.11	12.00	12.01	12.02	12.03	12.04	12.05	12.06	12.07	12.08
0	*	*	*	*	*	*	*	*	*	*	*	*
1	*	*	*	*	*	*	*	*	*	*	*	*
2	*	*	*	*	*	*	*	*	*	*	*	*
3	*	*	*	*	*	*	*	*	*	*	*	*
4	*	*	*	*	*	*	*	*	*	*	*	*
5	71	71	71	71	71	71	70	70	70	*	*	*
6	73	74	74	74	73	73	72	72	71	71	71	71
7	76	76	76	76	75	75	75	74	73	73	72	72
8	78	79	79	78	78	77	77	76	75	74	74	74
9	80	81	81	80	80	79	79	79	77	76	75	75
10	81	82	82	82	81	81	81	80	79	78	77	76
11	83	84	84	83	83	82	82	82	81	80	78	78
12	84	85	85	85	84	84	83	83	82	81	80	79
13	86	86	86	86	85	85	85	84	83	82	81	81
14	87	88	88	87	87	86	86	86	85	84	83	82
15	88	89	89	89	88	88	87	87	86	85	84	84
16	89	90	90	90	89	89	89	88	87	86	86	85
17	90	91	91	91	91	90	90	90	89	88	87	87
18	91	92	93	92	92	91	91	91	90	89	88	88
19	93	93	94	93	93	93	93	92	91	90	90	89
20	94	95	95	95	94	94	94	93	92	92	91	91
21	95	96	96	96	95	95	95	95	94	93	92	92
22	96	97	97	97	96	96	96	96	95	94	93	93
23	98	98	98	98	97	97	97	97	96	95	94	94
24	99	100	100	99	99	98	98	98	97	96	96	95

### Year 6/7 Welsh CC3

Raw score	Age in years and (completed) months												
	10.08	10.09	10.10	10.11	11.00	11.01	11.02	11.03	11.04	11.05	11.06	11.07	11.08
25	102	102	102	101	100	100	99	99	98	98	98	98	99
26	104	104	103	102	102	101	101	100	100	99	99	100	101
27	105	105	105	104	103	103	102	102	101	101	101	101	103
28	107	106	106	106	105	104	104	104	103	102	102	103	104
29	108	108	108	107	107	106	106	105	105	104	104	105	106
30	110	110	109	109	108	108	107	107	106	106	106	106	107
31	111	111	111	111	110	109	109	108	108	107	107	108	109
32	113	113	113	112	112	111	111	110	110	109	109	110	111
33	115	115	115	114	114	113	113	112	112	111	111	112	114
34	117	117	117	117	116	115	115	115	114	113	113	114	116
35	119	119	119	119	119	118	118	117	116	116	116	117	118
36	122	122	123	122	122	121	120	120	119	119	119	120	121
37	126	126	126	126	125	125	124	123	123	122	123	124	125
38	129	130	130	130	129	128	127	127	127	127	127	128	130
39	133	133	133	133	132	132	131	131	131	131	131	132	134
40	136	137	137	137	136	135	135	134	134	135	136	136	138
41	140	140	**	140	140	139	138	138	138	139	140	**	**



**Table 4: CD3 raw score to age-standardised score conversion table**

<b>Year 8/9 Welsh CD3</b>													
<b>Raw score</b>	<b>Age in years and (completed) months</b>												
	<b>12.08</b>	<b>12.09</b>	<b>12.10</b>	<b>12.11</b>	<b>13.00</b>	<b>13.01</b>	<b>13.02</b>	<b>13.03</b>	<b>13.04</b>	<b>13.05</b>	<b>13.06</b>	<b>13.07</b>	<b>13.08</b>
0	*	*	*	*	*	*	*	*	*	*	*	*	*
1	*	*	*	*	*	*	*	*	*	*	*	*	*
2	70	70	*	*	*	*	*	*	*	*	*	*	*
3	73	73	73	72	72	72	71	71	71	71	70	70	70
4	77	76	76	75	75	74	74	74	74	73	73	73	72
5	80	80	79	78	78	77	77	77	76	76	76	75	75
6	82	82	81	81	80	80	80	80	79	79	78	78	78
7	85	84	83	83	82	82	82	81	81	81	80	80	80
8	86	86	85	84	84	84	83	83	83	82	82	82	82
9	88	87	87	86	86	85	85	85	84	84	84	84	84
10	89	89	89	88	87	87	86	86	86	85	85	85	85
11	91	90	90	90	89	88	88	88	87	87	87	87	87
12	92	92	91	91	90	90	89	89	89	88	88	89	89
13	93	93	93	92	92	91	91	90	90	90	90	90	90
14	95	94	94	93	93	92	92	92	92	91	91	91	91
15	96	96	95	95	94	94	93	93	93	92	92	92	92
16	97	97	96	96	95	95	95	94	94	94	93	93	93
17	98	98	97	97	96	96	96	96	95	95	94	94	94
18	99	99	99	98	98	97	97	97	96	96	96	96	96
19	101	100	100	99	99	98	98	98	98	97	97	97	97
20	101	101	101	100	100	100	99	99	99	98	98	98	98
21	103	102	102	102	101	101	101	100	100	100	99	99	99
22	104	104	103	103	102	102	102	102	101	101	101	101	101
23	105	105	105	104	104	103	103	103	102	102	102	102	102
24	106	106	106	105	105	104	104	104	104	103	103	103	103



### Year 8/9 Welsh CD3

Raw score	Age in years and (completed) months											
	13.09	13.10	13.11	14.00	14.01	14.02	14.03	14.04	14.05	14.06	14.07	14.08
0	*	*	*	*	*	*	*	*	*	*	*	*
1	*	*	*	*	*	*	*	*	*	*	*	*
2	*	*	*	*	*	*	*	*	*	*	*	*
3	70	70	70	70	*	*	*	*	*	*	*	*
4	72	72	72	72	72	72	71	71	70	70	70	*
5	75	75	75	75	75	74	73	73	73	72	72	71
6	78	78	78	78	77	77	76	75	75	74	74	74
7	80	80	80	80	80	79	78	77	77	76	76	76
8	82	82	82	82	81	81	80	79	79	79	78	78
9	84	84	83	83	83	82	81	81	80	80	80	80
10	86	85	85	84	84	84	83	82	82	82	81	81
11	87	87	86	86	85	85	84	84	83	83	83	82
12	89	88	88	87	87	86	85	85	85	84	84	84
13	90	89	89	88	88	87	87	86	86	85	85	85
14	91	91	90	89	89	88	88	87	87	87	86	86
15	92	92	91	91	90	90	89	89	88	88	88	87
16	93	93	92	92	91	91	90	90	90	89	89	88
17	94	94	94	93	92	92	92	91	91	90	90	90
18	96	95	95	94	93	93	93	92	92	92	91	91
19	97	96	96	95	94	94	94	94	93	93	92	92
20	98	98	97	96	96	95	95	95	94	94	93	93
21	99	99	98	97	97	96	96	96	95	95	95	94
22	100	100	99	98	98	97	97	97	97	96	96	95
23	102	101	100	100	99	99	99	98	98	98	97	97
24	103	102	101	101	100	100	100	100	99	99	98	98

### Year 8/9 Welsh CD3

Raw score	Age in years and (completed) months												
	12.08	12.09	12.10	12.11	13.00	13.01	13.02	13.03	13.04	13.05	13.06	13.07	13.08
25	108	107	107	107	106	106	105	105	105	105	104	104	104
26	109	109	108	108	107	107	107	106	106	106	106	105	105
27	111	110	110	109	109	108	108	108	108	107	107	107	107
28	112	112	111	111	110	110	109	109	109	109	108	108	108
29	113	113	113	112	112	111	111	111	110	110	109	109	109
30	115	115	114	114	113	113	113	112	112	112	111	111	111
31	117	117	116	116	115	115	114	114	114	113	113	112	112
32	119	118	118	118	117	117	116	116	115	115	115	114	114
33	120	120	120	120	120	119	118	118	118	117	117	116	116
34	123	123	123	123	122	121	120	120	120	120	119	119	119
35	127	126	126	126	125	124	124	123	123	123	122	122	122
36	130	129	129	129	128	127	127	126	126	126	126	126	126
37	133	133	132	132	131	130	130	130	130	130	130	130	130
38	136	136	135	134	134	134	133	133	133	133	133	134	134
39	140	139	138	137	137	137	136	136	136	137	137	138	138
40	**	**	**	140	140	140	139	139	140	140	**	**	**

### Year 8/9 Welsh CD3

Raw score	Age in years and (completed) months											
	13.09	13.10	13.11	14.00	14.01	14.02	14.03	14.04	14.05	14.06	14.07	14.08
25	104	103	103	102	102	101	101	101	100	100	100	99
26	105	105	104	103	103	103	103	102	102	101	101	101
27	106	106	105	105	104	104	104	104	103	103	102	102
28	108	107	107	106	106	105	105	105	105	104	104	103
29	109	109	108	108	107	107	107	106	106	106	105	105
30	111	110	110	109	109	109	108	108	108	107	107	106
31	112	112	111	111	111	110	110	110	110	109	109	108
32	114	114	113	113	113	112	112	112	111	111	111	110
33	116	116	116	115	115	114	114	114	113	113	113	112
34	119	119	119	118	117	117	116	116	116	116	116	115
35	122	122	122	121	120	120	119	119	119	119	118	118
36	126	126	126	125	124	123	123	123	122	122	122	121
37	130	130	130	129	128	128	127	127	127	127	126	126
38	134	134	134	133	132	132	131	131	132	131	131	131
39	138	138	138	137	137	136	136	136	136	136	136	136
40	**	**	**	**	**	140	140	140	**	**	**	140

## Progress measures

The progress measure scales are calculated separately for each national curriculum year group and each test.

Progress measures are not adjusted for age.

## Working out a progress measure

To work out the progress measure for an individual learner you will need their raw score (total number of marks awarded when the test was marked) and their year group.

Use Tables 5–8 to look up the corresponding progress measure. Please ensure you refer to the correct year group when looking up learners' progress measures.

Using the appropriate table for the test taken, locate the learner's raw score on the left-hand side of the table. Then read across the row to the column headed by the learner's year group. The progress measure for this learner is in the cell where the row and column intersect.

For example, a learner in national curriculum Year 2 who has taken test CA3 and has a raw score of 20 would have a progress measure of 1003.

A learner in national curriculum Year 3 who has taken test CA3 and has a raw score of 20 would have a progress measure of 991.

## Interpreting a progress measure

The progress measure shows how well an individual learner has done in a given test compared with **all other learners in the same national curriculum year group taking the same test**. The progress measure should be presented as a time series allowing for a learner's achievement in the tests to be tracked over time.

The mean of the progress measure for each year group is set at 1000, and the scores range from 950 to 1050. Learners achieving between 980 and 1020 (i.e. scores within one standard deviation of the mean) have a progress measure that is in line with learners in the same year group (taking the same test). Approximately 68 per cent of learners will have a score in this range. Learners scoring outside of this range (i.e. below 980 or above 1020) have a progress measure that is either below or above that of most learners in their year group.

The progress measure for 2015 should be considered alongside any previous progress measure for this learner. Progress measures that are broadly similar from year to year would suggest that a learner is making steady progress within their year group. Small variations in the score from year to year are to be expected but if there are large changes in the progress measure between one year and the next, then this suggests that a learner has made either more or less progress than the rest of the learners taking the test. Please refer to the practitioner guidance at [learning.gov.wales/resources/browse-all/reporting-and-interpreting-national-test-results/?lang=en](https://learning.gov.wales/resources/browse-all/reporting-and-interpreting-national-test-results/?lang=en) for further information on interpreting progress measures.

### **Out-of-year testing**

Where a learner has taken a test that is different from their national curriculum year group test, look up their progress measure using the table appropriate for the test taken. Their progress measure compares the learner to all other learners who have taken the same test. For example, for a learner in national curriculum Year 4 who has taken test CA3 and has a raw score of 30 it is possible to look up a Year 2 progress measure and a Year 3 progress measure. A raw score of 30 gives a Year 2 progress measure of 1024 which indicates that the learner has performed better than the average learner in Year 2. A raw score of 30 gives a Year 3 progress measure of 1012 which indicates that the learner has performed at around the same level as the average learner in Year 3.

When comparing progress measures over time it is important to consider the reference group (the national curriculum year group the learner is compared with), as this may be different from one year to the next.

**Table 5: Year 2 and Year 3 Test CA3 raw score to progress measure conversion table**

<b>Total score</b>	<b>Progress measure Year 2</b>	<b>Progress measure Year 3</b>
0	950	950
1	950	950
2	959	950
3	965	955
4	969	960
5	973	963
6	976	966
7	979	969
8	982	971
9	984	973
10	986	975
11	988	977
12	990	978
13	991	980
14	993	982
15	995	983
16	997	985
17	998	986
18	1000	988
19	1001	989
20	1003	991
21	1004	992
22	1006	994
23	1008	995
24	1009	997
25	1011	999
26	1013	1001
27	1015	1004
28	1018	1006
29	1021	1009
30	1024	1012
31	1028	1016
32	1032	1020
33	1039	1026
34	1049	1034
35	1050	1050

**Table 6: Year 4 and Year 5 Test CB3 raw score to progress measure conversion table**

<b>Total score</b>	<b>Progress measure Year 4</b>	<b>Progress measure Year 5</b>
0	950	950
1	950	950
2	956	950
3	963	956
4	967	960
5	971	964
6	974	967
7	977	969
8	980	971
9	982	974
10	984	976
11	986	978
12	988	979
13	990	981
14	992	983
15	993	984
16	995	985
17	997	987
18	998	988
19	1000	990
20	1001	992
21	1003	993
22	1004	995
23	1006	997
24	1008	998
25	1010	1000
26	1011	1002
27	1013	1004
28	1016	1006
29	1018	1008
30	1020	1011
31	1023	1014
32	1026	1017
33	1030	1020
34	1033	1025
35	1038	1029
36	1045	1036
37	1050	1046
38	1050	1050

**Table 7: Year 6 and Year 7 Test CC3 raw score to progress measure conversion table**

<b>Total score</b>	<b>Progress measure Year 6</b>	<b>Progress measure Year 7</b>
0	950	950
1	950	950
2	950	950
3	953	954
4	957	959
5	961	962
6	964	965
7	967	968
8	969	970
9	971	973
10	973	975
11	975	977
12	977	978
13	979	980
14	981	982
15	983	984
16	984	985
17	986	987
18	987	988
19	989	990
20	991	991
21	992	993
22	994	995
23	996	996
24	998	998
25	999	1000
26	1001	1001
27	1003	1003
28	1005	1005
29	1008	1008
30	1010	1010
31	1012	1012
32	1014	1015
33	1017	1018
34	1020	1021
35	1023	1025
36	1027	1029
37	1031	1034
38	1036	1041
39	1043	1049
40	1050	1050
41	1050	1050



**Table 8: Year 8 and Year 9 Test CD3 raw score to progress measure conversion table**

<b>Total score</b>	<b>Progress measure Year 8</b>	<b>Progress measure Year 9</b>
0	950	950
1	950	950
2	958	953
3	964	959
4	968	963
5	971	967
6	974	969
7	976	972
8	978	974
9	981	976
10	983	978
11	985	980
12	986	982
13	988	983
14	990	985
15	992	987
16	993	988
17	995	990
18	996	991
19	998	993
20	1000	994
21	1001	996
22	1003	997
23	1004	999
24	1006	1001
25	1008	1002
26	1009	1004
27	1011	1006
28	1013	1008
29	1015	1010
30	1017	1012
31	1019	1014
32	1022	1016
33	1025	1019
34	1028	1023
35	1031	1027
36	1036	1031
37	1041	1037
38	1049	1044
39	1050	1050
40	1050	1050

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