

Percentile Quick Reference



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Version 1 Update 08/15/2025

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updated: August 2025

These grade-level norms provide guidance on interpreting student performance.

Interpretation of Norms

To interpret student performance on the *easyCBM* measures, one examines the student's percentile rank based on their raw score for that measure. Percentile ranks can be found by viewing the Benchmark Scores Report, comparing the student's score to the percentile lines on the student graphs, or by referring to the Detailed Percentiles chart. In all cases, this information gives an indication of how a student is performing relative to the performance of other students on that measure at that point in time.

Performance at the 50th percentile rank can be interpreted roughly as “average” performance for students in that grade on that measure at that point in time. Performance below the 50th percentile rank indicates that a student is performing below average on that measure at that point in time, with lower scores indicating performance further below average grade level performance.

Why don't the scores always go up across the year?

Although it would seem logical to have the expected scores increase in a linear way throughout the year, with students at all levels of performance showing a smooth, linear growth from fall through spring, students sometimes defy logic. We also know that student growth is not always a linear phenomenon and varies across age and construct. The percentile rank scores on *easyCBM* are based on empirical results of actual student performance on fall, winter, and spring measures. Interestingly, it is common to see steeper growth from fall to winter and to see student performance level off or even decrease slightly from winter to spring. Some of the difference in growth may be related to the “loss” associated with summertime and the jump in level of difficulty as students move from one grade to the next. Thus, students tend to start out scoring lower in the fall, with a fairly steep increase common from fall to winter.

In the spring, given that these measures assess a year's worth of standards, it is common for students to level out. This is reflective of the fact that they have mastered all standards at the time of testing. In some grade levels and measures, students may show a decrease from winter to spring. It is uncertain what causes this decrease in score in the spring. However, this phenomenon is consistent with empirical results found in literature across the years. Some educators have theorized that it may be related to student motivation or attention to non-academic pursuits in the springtime. This is why it is so important to use the percentile ranks rather than simple raw scores when interpreting student performance.

Norm Calculations

This document contains tables with common percentile line thresholds to use as a quick reference when setting goals.

Data from the 2024–2025 academic year were drawn from valid *easyCBM* school district accounts, with strict inclusion criteria applied to ensure score validity and consistency. A data selection process prioritized districts with comprehensive testing coverage, followed by stratified sampling to ensure geographic representation across four U.S. regions. The new norms reflect actual student performance on the *easyCBM* measures. In some cases, the percentile rank associated with a particular raw score increased; in other cases, it decreased. Such changes are to be expected when norms are updated and are a normal part of the norming process.

Kindergarten Reading Measures – English Language

Percentile	Phoneme Segmenting			Letter Names			Letter Sounds			Word Reading Fluency		
	Fall	Win	Spr	Fall	Win	Spr	Fall	Win	Spr	Fall	Win	Spr
10th	0	3	11	3	13	29	0	5	13	1	1	1
25th	0	9	26	8	25	38	1	12	24	1	2	5
40th	1	18	33	15	31	42	3	19	31	1	3	9
50th	3	25	37	20	35	45	5	24	35	1	4	11
75th	10	36	48	33	43	54	12	32	42	2	8	19
90th	21	44	58	41	50	66	20	38	51	4	14	39

Kindergarten Reading Measures – Spanish Language

Percentile	Spanish Syllable Seg.			Spanish Syllable Sounds		
	Fall	Win	Spr	Fall	Win	Spr
10th	0	13	27	0	0	1
25th	2	29	39	0	0	6
40th	10	34	45	0	2	13
50th	18	38	48	0	4	17
75th	30	48	51	0	14	32
90th	38	51	51	3	26	46

Kindergarten Basic Math Measures

Percentile	Numbers and Operations			Geometry			Measurement			Basic Math Benchmark		
	Fall	Win	Spr	Fall	Win	Spr	Fall	Win	Spr	Fall	Win	Spr
10th	6	9	10	6	9	10	6	8	10	18	23	28
25th	8	11	13	8	12	12	8	10	12	23	30	33
40th	9	12	14	10	13	13	10	12	13	26	33	36
50th	10	13	15	11	14	14	11	12	14	28	35	38
75th	12	15	16	13	16	15	13	14	15	33	40	41
90th	14	16	16	15	16	16	14	15	16	38	42	43

Kindergarten Proficient Math Measures

Percentile	Progress Monitoring			Proficient Math Benchmark		
	Fall	Win	Spr	Fall	Win	Spr
10th	6	9	0	10	14	16
25th	11	15	14	12	18	20
40th	13	18	18	14	20	22
50th	14	19	20	15	21	24
75th	17	22	23	19	25	27
90th	21	22	24	22	27	29

Kindergarten RAN Measure

Percentile	RAN		
	Fall	Win	Spr
10th	26	33	37
25th	33	42	45
40th	38	47	52
50th	41	50	56
75th	51	62	67
90th	59	74	79

Grade 1 Reading Measures – English Language

Percentile	Phoneme Segmenting			Letter Names			Letter Sounds			Word Reading Fluency			Passage Reading Fluency		
	Fall	Win	Spr	Fall	Win	Spr	Fall	Win	Spr	Fall	Win	Spr	Fall	Win	Spr
10th	6	31	35	20	34	42	9	21	25	1	3	9	1	3	6
25th	19	41	44	30	45	52	19	32	36	3	9	17	4	9	17
40th	28	47	49	37	50	63	26	37	41	6	14	28	6	15	34
50th	32	51	52	40	56	68	29	40	44	9	18	36	8	21	44
75th	42	60	61	47	69	80	36	50	53	23	39	62	17	60	85
90th	52	66	67	59	80	90	44	58	62	50	62	78	43	96	117

Grade 1 Reading Measures – Spanish Language

Percentile	Spanish Syllable Seg.			Spanish Syllable Sounds			Spanish Word Reading Fluency			Spanish Sentence Reading		
	Fall	Win	Spr	Fall	Win	Spr	Fall	Win	Spr	Fall	Win	Spr
10th	15	22	29	1	6	11	0	3	6	0	3	5
25th	26	34	43	3	16	25	1	10	15	1	7	14
40th	32	43	49	7	23	35	3	15	22	2	12	25
50th	35	47	52	10	28	43	6	19	27	3	15	35
75th	43	56	56	22	45	54	14	35	45	8	32	56
90th	51	56	56	39	58	67	29	49	58	21	51	72

Grade 1 Basic Math Measures

Percentile	Numbers and Operations			Geometry			Numbers and Operations, Algebra			Basic Math Benchmark		
	Fall	Win	Spr	Fall	Win	Spr	Fall	Win	Spr	Fall	Win	Spr
10th	6	9	11	8	9	11	4	6	7	17	22	25
25th	8	12	13	10	11	13	6	7	10	21	28	32
40th	10	13	15	12	13	14	7	9	11	24	31	35
50th	10	14	15	12	13	14	7	9	12	26	34	37
75th	13	15	16	14	15	15	9	12	15	31	39	41
90th	14	16	16	15	16	16	10	14	16	35	42	43

Grade 1 Proficient Math Measures

Percentile	Progress Monitoring			Proficient Math Benchmark		
	Fall	Win	Spr	Fall	Win	Spr
10th	10	0	0	14	17	20
25th	15	16	0	17	22	26
40th	17	19	17	19	25	28
50th	18	20	20	20	27	29
75th	22	23	23	24	30	32
90th	24	25	25	27	32	33

Grade 1 RAN Measure

Percentile	RAN		
	Fall	Win	Spr
10th	32	43	44
25th	40	53	53
40th	46	59	61
50th	50	65	65
75th	61	77	77
90th	69	90	87

Grade 2 Reading Measures – English Language

Percentile	Word Reading Fluency			Passage Reading Fluency			Proficient Reading			Vocabulary		
	Fall	Win	Spr	Fall	Win	Spr	Fall	Win	Spr	Fall	Win	Spr
10th	13	17	31	7	12	15	3	3	4	3	4	5
25th	25	33	49	22	32	46	4	5	6	5	7	9
40th	36	46	61	37	54	73	5	7	8	6	10	10
50th	42	52	66	50	66	87	6	8	9	8	11	11
75th	59	70	80	81	96	118	9	10	11	11	12	12
90th	73	82	91	104	119	145	10	11	12	12	12	12

Grade 2 Reading Measures – Spanish Language

Percentile	Spanish Word Reading Fluency			Spanish Sentence Reading			Spanish Vocabulary		
	Fall	Win	Spr	Fall	Win	Spr	Fall	Win	Spr
10th	2	5	8	2	3	10	2	2	2
25th	8	14	19	6	15	25	3	3	4
40th	15	25	28	15	29	34	3	4	5
50th	21	28	34	21	35	41	4	5	5
75th	32	44	46	39	55	62	5	6	7
90th	43	57	57	54	72	81	7	9	10

Grade 2 Basic Math Measures

Percentile	Numbers and Operations			Measurement			Numbers and Operations, Algebra			Basic Math Benchmark		
	Fall	Win	Spr	Fall	Win	Spr	Fall	Win	Spr	Fall	Win	Spr
10th	5	7	8	5	6	10	5	7	8	15	18	22
25th	7	9	10	7	8	13	7	9	10	19	25	27
40th	8	12	11	8	10	14	8	11	12	22	29	32
50th	9	13	12	9	11	15	8	12	13	24	32	34
75th	12	14	15	11	14	16	10	15	15	29	39	40
90th	13	16	16	13	15	16	12	16	16	34	42	43

Grade 2 Proficient Math Measures

Percentile	Progress Monitoring			Proficient Math Benchmark		
	Fall	Win	Spr	Fall	Win	Spr
10th	9	12	8	13	16	17
25th	14	16	16	17	21	23
40th	17	19	19	20	24	26
50th	18	20	20	22	26	28
75th	22	23	23	27	30	31
90th	24	24	25	30	32	33

Grade 3 Reading Measures – English Language

Percentile	Word Reading Fluency			Passage Reading Fluency			Proficient Reading			Vocabulary			Basic Reading		
	Fall	Win	Spr	Fall	Win	Spr	Fall	Win	Spr	Fall	Win	Spr	Fall	Win	Spr
10th	16	24	33	18	32	31	5	6	6	7	8	9	9	12	14
25th	30	41	50	41	72	65	7	8	9	11	13	14	12	18	19
40th	41	52	60	61	91	88	9	9	11	14	16	16	16	20	21
50th	47	57	65	74	103	99	10	10	13	15	17	17	18	21	22
75th	61	72	76	100	138	132	13	12	16	18	19	19	23	23	24
90th	72	84	91	128	166	164	16	14	18	19	20	20	24	24	25

Grade 3 Reading Measures – Spanish Language

Percentile	Spanish Vocabulary		
	Fall	Win	Spr
10th	2	2	2
25th	3	3	3
40th	4	4	4
50th	4	5	5
75th	6	7	7
90th	8	10	9

Grade 3 Basic Math Measures

Percentile	Numbers and Operations			Geometry			Numbers and Operations, Algebra			Basic Math Benchmark		
	Fall	Win	Spr	Fall	Win	Spr	Fall	Win	Spr	Fall	Win	Spr
10th	7	8	9	11	11	12	6	8	9	20	26	28
25th	9	10	11	12	12	14	8	10	12	25	31	33
40th	10	11	12	13	13	14	9	12	13	28	34	37
50th	11	12	13	13	14	15	10	13	14	30	35	38
75th	12	13	15	15	15	16	12	15	15	35	39	42
90th	14	15	16	16	16	16	14	16	16	39	42	44

Grade 3 Proficient Math Measures

Percentile	Progress Monitoring			Proficient Math Benchmark		
	Fall	Win	Spr	Fall	Win	Spr
10th	16	16	12	17	19	22
25th	20	21	21	20	24	28
40th	22	24	24	23	27	31
50th	23	26	26	24	29	33
75th	26	28	29	28	33	36
90th	29	30	30	32	35	38

Grade 4 Reading Measures – English Language

Percentile	Passage Reading Fluency			Proficient Reading			Vocabulary			Basic Reading		
	Fall	Win	Spr	Fall	Win	Spr	Fall	Win	Spr	Fall	Win	Spr
10th	40	56	72	6	7	7	8	11	11	11	12	12
25th	77	93	107	8	9	9	13	14	15	17	17	18
40th	93	116	123	10	12	12	15	16	16	20	20	21
50th	103	127	134	11	13	13	16	17	17	21	21	22
75th	128	151	162	15	16	16	18	19	19	23	23	24
90th	152	173	184	17	17	17	19	20	20	24	24	25

Grade 4 Reading Measures – Spanish Language

Percentile	Spanish Vocabulary		
	Fall	Win	Spr
10th	2	3	3
25th	3	4	4
40th	4	5	6
50th	5	6	7
75th	6	8	9
90th	8	10	10

Grade 4 Basic Math Measures

Percentile	Numbers and Operations			Measurement and Data Analysis			Numbers and Operations, Algebra			Basic Math Benchmark		
	Fall	Win	Spr	Fall	Win	Spr	Fall	Win	Spr	Fall	Win	Spr
10th	7	9	9	10	11	12	8	9	10	20	23	23
25th	9	11	11	12	12	13	10	12	12	26	29	29
40th	11	12	12	13	13	14	11	13	14	30	33	34
50th	11	13	13	13	13	15	12	14	14	32	35	36
75th	14	15	15	15	15	16	14	15	16	37	39	41
90th	15	16	16	16	16	16	15	16	16	41	42	43

Grade 4 Proficient Math Measures

Percentile	Progress Monitoring			Proficient Math Benchmark		
	Fall	Win	Spr	Fall	Win	Spr
10th	13	15	12	15	17	17
25th	17	19	18	20	22	23
40th	20	22	22	23	25	28
50th	22	24	24	26	27	30
75th	26	27	27	31	31	35
90th	28	29	29	35	34	38

Grade 5 Reading Measures – English Language

Percentile	Passage Reading Fluency			Proficient Reading			Vocabulary			Basic Reading		
	Fall	Win	Spr	Fall	Win	Spr	Fall	Win	Spr	Fall	Win	Spr
10th	70	76	93	7	8	7	9	11	11	12	15	13
25th	107	106	130	11	12	11	14	14	15	16	19	17
40th	128	128	148	13	15	14	16	16	16	19	21	20
50th	139	141	160	14	16	14	17	17	17	20	22	21
75th	167	171	188	16	18	16	18	18	18	22	23	23
90th	194	200	208	17	19	17	19	19	19	23	24	24

Grade 5 Reading Measures – Spanish Language

Percentile	Spanish Vocabulary		
	Fall	Win	Spr
10th	2	2	2
25th	3	3	3
40th	3	3	4
50th	4	4	5
75th	5	5	7
90th	6	7	8

Grade 5 Basic Math Measures

Percentile	Numbers and Operations			Geometry, Measurement, and Algebra			Numbers and Operations, Algebra			Basic Math Benchmark		
	Fall	Win	Spr	Fall	Win	Spr	Fall	Win	Spr	Fall	Win	Spr
10th	8	9	10	9	10	11	7	8	9	20	21	23
25th	10	10	12	11	12	13	9	11	13	25	29	33
40th	11	12	13	12	13	14	10	13	15	29	34	38
50th	11	12	14	12	14	15	11	14	15	31	36	40
75th	13	15	16	14	15	16	14	16	16	37	41	43
90th	14	16	16	15	16	16	15	16	16	41	43	44

Grade 5 Proficient Math Measures

Percentile	Progress Monitoring			Proficient Math Benchmark		
	Fall	Win	Spr	Fall	Win	Spr
10th	14	15	13	15	17	16
25th	18	19	17	19	21	21
40th	20	22	21	22	25	25
50th	22	23	23	24	26	28
75th	26	27	27	29	31	33
90th	28	29	29	33	34	36

Grade 6 Reading Measures – English Language

Percentile	Passage Reading Fluency			Proficient Reading			Vocabulary			Basic Reading		
	Fall	Win	Spr	Fall	Win	Spr	Fall	Win	Spr	Fall	Win	Spr
10th	76	84	90	8	8	8	11	12	13	11	13	11
25th	108	121	122	12	11	11	15	15	16	17	18	17
40th	131	143	147	13	13	13	17	17	17	20	20	19
50th	139	156	162	14	14	14	17	18	18	21	21	20
75th	165	184	194	16	16	16	19	19	19	23	23	22
90th	189	207	220	18	17	18	20	20	20	24	24	23

Grade 6 Reading Measures – Spanish Language

Percentile	Spanish Vocabulary		
	Fall	Win	Spr
10th	2	2	3
25th	3	3	4
40th	4	4	5
50th	5	5	6
75th	7	8	8
90th	9	10	9

Grade 6 Basic Math Measures

Percentile	Numbers and Operations			Algebra			Numbers and Operations, Algebra, Ratios			Basic Math Benchmark		
	Fall	Win	Spr	Fall	Win	Spr	Fall	Win	Spr	Fall	Win	Spr
10th	6	7	8	10	10	10	9	9	10	16	17	16
25th	8	9	10	12	12	13	11	12	12	21	22	22
40th	9	10	12	13	13	14	12	13	14	24	26	27
50th	10	11	13	13	13	14	13	14	15	26	28	31
75th	12	14	15	15	15	16	15	15	16	33	35	38
90th	14	16	16	16	16	16	16	16	16	39	40	42

Grade 6 Proficient Math Measures

Percentile	Progress Monitoring			Proficient Math Benchmark		
	Fall	Win	Spr	Fall	Win	Spr
10th	13	14	14	15	16	16
25th	17	18	18	18	20	22
40th	19	21	21	22	24	27
50th	21	22	22	24	26	29
75th	25	26	27	30	32	36
90th	28	29	29	35	37	40

Grade 7 Reading Measures – English Language

Percentile	Passage Reading Fluency			Proficient Reading			Vocabulary			Basic Reading		
	Fall	Win	Spr	Fall	Win	Spr	Fall	Win	Spr	Fall	Win	Spr
10th	85	100	82	7	8	6	12	12	12	12	12	11
25th	120	132	118	10	12	9	15	15	15	16	17	16
40th	133	153	139	12	14	11	17	17	17	18	20	20
50th	145	163	151	13	15	12	18	17	17	19	21	22
75th	171	193	183	16	16	14	19	19	19	22	23	23
90th	197	220	209	17	17	15	20	20	20	23	24	24

Grade 7 Reading Measures – Spanish Language

Percentile	Spanish Vocabulary		
	Fall	Win	Spr
10th	2	3	2
25th	3	4	3
40th	4	4	4
50th	5	4	5
75th	6	6	6
90th	7	7	9

Grade 7 Basic Math Measures

Percentile	Numbers and Operations, Algebra, & Geometry			Measurement, Geometry, Algebra			Numbers and Operations, Algebra			Basic Math Benchmark		
	Fall	Win	Spr	Fall	Win	Spr	Fall	Win	Spr	Fall	Win	Spr
10th	9	9	9	7	7	7	8	8	9	15	14	15
25th	12	12	12	8	9	9	10	10	11	18	18	20
40th	14	13	13	10	11	11	11	12	13	22	21	24
50th	14	14	14	10	11	12	12	13	14	24	24	27
75th	16	15	16	12	15	14	15	15	16	31	30	34
90th	16	16	16	15	16	15	16	16	16	36	36	40

Grade 7 Proficient Math Measures

Percentile	Progress Monitoring			Proficient Math Benchmark		
	Fall	Win	Spr	Fall	Win	Spr
10th	13	13	13	14	15	15
25th	16	16	16	17	19	20
40th	18	19	19	19	23	24
50th	19	21	21	21	25	27
75th	24	25	26	27	33	35
90th	27	29	28	33	39	40

Grade 8 Reading Measures – English Language

Percentile	Passage Reading Fluency			Proficient Reading			Vocabulary			Basic Reading		
	Fall	Win	Spr	Fall	Win	Spr	Fall	Win	Spr	Fall	Win	Spr
10th	106	97	100	7	7	7	12	13	13	11	10	12
25th	136	122	127	10	10	9	15	16	16	17	16	19
40th	156	143	149	12	11	11	17	17	18	20	19	21
50th	165	157	162	13	12	12	18	18	18	21	20	22
75th	196	186	188	16	14	15	19	19	20	23	23	24
90th	219	212	214	17	16	16	20	20	20	24	24	25

Grade 8 Reading Measures – Spanish Language

Percentile	Spanish Vocabulary		
	Fall	Win	Spr
10th	2	2	3
25th	4	3	4
40th	4	5	5
50th	5	5	6
75th	7	7	8
90th	9	8	9

Grade 8 Basic Math Measures

Percentile	Algebra			Geometry & Measurement			Data Analysis, Numbers and Operations, Algebra			Basic Math Benchmark		
	Fall	Win	Spr	Fall	Win	Spr	Fall	Win	Spr	Fall	Win	Spr
10th	7	7	7	8	8	9	9	10	9	15	15	14
25th	8	11	9	10	10	11	12	13	12	17	18	18
40th	10	13	11	12	12	13	14	15	14	20	21	21
50th	11	15	12	12	13	14	14	15	15	22	23	24
75th	13	16	14	15	15	16	16	16	16	29	30	32
90th	14	16	16	16	16	16	16	16	16	34	37	38

Grade 8 Proficient Math Measures

Percentile	Progress Monitoring			Proficient Math Benchmark		
	Fall	Win	Spr	Fall	Win	Spr
10th	12	13	13	13	16	15
25th	15	17	17	16	20	21
40th	18	20	20	19	24	25
50th	19	22	22	21	27	28
75th	24	26	26	29	34	36
90th	27	29	29	36	39	41

