



Data Interpretation Guide ***National Standards of Success***

KINDERGARTEN **2016-2017**

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Established Benchmarks Levels

Kindergarten

Measure	Beginning of Year		Middle of Year		End of Year	
	Performance	Benchmark Status	Performance	Benchmark Status	Performance	Benchmark Status
LNF	0 - 1	Well Below	0 - 14	Well Below	0 - 28	Well Below
	2 - 7	Below	15 - 26	Below	29 - 39	Below
	≥ 8	At/Above	≥ 27	At/Above	≥ 40	At/Above
ISF	0 - 3	Well Below	0 - 9	Well Below		
	4 - 7	Below	10 - 24	Below		
	≥ 8	At/Above	≥ 25	At/Above		
FSF	0 - 4	Well Below	0 - 19	Well Below		
	5 - 9	Below	20 - 29	Below		
	≥ 10	At/Above	≥ 30	At/Above		
PSF			0 - 9	Well Below	0 - 24	Well Below
			10 - 19	Below	25 - 39	Below
			≥ 20	At/Above	≥ 40	At/Above
NWF-CLS			0 - 7	Well Below	0 - 14	Well Below
			8 - 16	Below	15 - 27	Below
			≥ 17	At/Above	≥ 28	At/Above

National Public Schools' Norms: *Kindergarten*

Subtest	Well Above Average	Above Average	Average	Low Average	Below Average	Well Below Average
Fall						
■ LNF	≥ 43	33-42	13-32	5-12	2-4	0-1
■ LSF	≥ 25	16-24	3-15	1-2	0	---
■ ISF	≥ 23	15-22	7-14	4-6	0-3	0
■ FSF	≥ 32	25-31	5-24	1-4	0	---
Winter						
■ LNF	≥ 61	52-60	37-51	30-36	18-29	≤ 17
■ LSF	≥ 49	40-48	20-39	15-19	7-14	≤ 6
■ ISF	≥ 44	33-43	19-32	14-18	8-13	≤ 7
■ FSF	≥ 57	50-56	36-49	28-35	16-27	≤ 15
■ PSF	≥ 60	52-59	32-51	17-31	8-16	≤ 7
■ NWF-CLS	≥ 45	35-44	21-34	15-20	7-14	≤ 6
■ NWF-WWR	≥ 9	3-8	1-2	0	---	---
Spring						
■ LNF	≥ 73	64-72	49-63	42-48	31-41	≤ 30
■ LSF	≥ 59	50-58	33-49	29-32	19-28	≤ 18
■ PSF	≥ 71	63-70	49-62	42-48	25-41	≤ 24
■ NWF-CLS	≥ 68	51-67	31-50	25-30	17-24	≤ 16
■ NWF-WWR*	≥ 19	11-18	1-10	0	---	---

Note: National DIBELS norms from Dynamic Measurement Group

Benchmarks for FAST early Reading Kindergarten

Measure	Fall		Winter		Spring	
	Performance	Benchmark Status	Performance	Benchmark Status	Performance	Benchmark Status
Concepts of Print	0 - 5	Well Below				
	6 - 7	Below				
	≥ 8	At/Above				
Onset Sounds	0 - 6	Well Below	0 - 13	Well Below		
	7 - 11	Below	14 - 15	Below		
	≥ 12	At/Above	≥ 16	At/Above		
Letter Names	0 - 6	Well Below	0 - 29	Well Below	0 - 37	Well Below
	7 - 19	Below	30-41	Below	38-49	Below
	≥ 20	At/Above	≥ 42	At/Above	≥ 50	At/Above
Letter Sounds	0	Well Below	0 - 17	Well Below	0 - 29	Well Below
	1 - 4	Below	18 - 27	Below	30 - 40	Below
	≥ 5	At/Above	≥ 28	At/Above	≥ 41	At/Above
Word Segmenting			0 - 14	Well Below	0 - 25	Well Below
			15 - 24	Below	26 - 29	Below
			≥ 25	At/Above	≥ 30	At/Above
Sight Words					0 - 6	Well Below
					7 - 19	Below
					≥ 20	At/Above
Composite	0 - 28	Well Below	0 - 43	Well Below	0 - 55	Well Below
	29 - 33	Below	44 - 50	Below	56 - 63	Below
	≥ 34	At/Above	≥ 51	At/Above	≥ 64	At/Above

FAST earlyReading Norms: *Kindergarten*

Subtest	Well Above Average	Above Average	Average	Low Average	Below Average	Well Below Average
Fall						
■ Concepts of Print	≥ 12	11	8-10	7	5-6	≤ 4
■ Onset Sounds	N/A	16	12-15	9-11	6-8	≤ 5
■ Letter Names	≥ 43	36-42	20-35	12-19	5-11	≤ 4
■ Letter Sounds	≥ 22	16-21	5-15	3-4	1-2	0
■ Composite	≥ 44	39-40	34-38	32-33	29-31	≤ 28
Winter						
■ Onset Sounds	N/A	N/A	16	15	13-14	≤ 12
■ Letter Names	≥ 64	57-63	42-56	36-41	26-35	≤ 25
■ Letter Sounds	≥ 50	43-49	28-42	23-27	14-22	≤ 13
■ Word Segmenting	≥ 32	31	25-30	21-24	12-20	≤ 11
■ Nonsense Words	≥ 15	13-14	7-12	5-6	2-4	≤ 1
■ Decodable Words	≥ 14	10-13	4-9	2-3	0-1	N/A
■ Composite	≥ 67	62-66	53-61	49-52	44-48	≤ 43
Spring						
■ Letter Names	≥ 70	63-69	50-62	43-49	35-42	≤ 34
■ Letter Sounds	≥ 61	54-60	41-53	35-40	27-34	≤ 26
■ Word Segmenting	≥ 34	33	30-32	28-29	24-27	≤ 23
■ Nonsense Words	≥ 22	19-21	12-18	10-11	7-9	≤ 6
■ Decodable Words	≥ 30	20-29	10-19	7-9	3-6	≤ 2
■ Sight Words	≥ 60	48-59	20-47	12-19	5-11	≤ 4
■ Composite	≥ 82	77-81	66-76	61-65	55-60	≤ 54

Benchmarks for FAST early Math Kindergarten

Measure	Fall		Winter		Spring	
	Performance	Benchmark Status	Performance	Benchmark Status	Performance	Benchmark Status
Number Identification	0 - 9	Well Below	0 - 19	Well Below	0 - 29	Well Below
	10 - 13	Below	20 - 29	Below	30 - 37	Below
	≥ 14	At/Above	≥ 30	At/Above	≥ 38	At/Above
Match Quantity	0 - 6	Well Below	0 - 8	Well Below	0 - 9	Well Below
	7 - 8	Below	9	Below	10 - 11	Below
	≥ 9	At/Above	≥ 10	At/Above	≥ 12	At/Above
Number Sequence	0 - 2	Well Below	0 - 4	Well Below	0 - 7	Well Below
	3 - 4	Below	5 - 6	Below	8	Below
	≥ 5	At/Above	≥ 7	At/Above	≥ 9	At/Above
Decomposing			0 - 2	Well Below	0 - 3	Well Below
			3	Below	4	Below
			≥ 4	At/Above	≥ 5	At/Above
Composite	0 - 26	Well Below	0 - 30	Well Below	0 - 30	Well Below
	27 - 33	Below	31 - 53	Below	31 - 62	Below
	≥ 34	At/Above	≥ 54	At/Above	≥ 63	At/Above

FAST earlyMath Norms: *Kindergarten*

Subtest	Well Above Average	Above Average	Average	Low Average	Below Average	Well Below Average
Fall						
■ Number Identification	≥ 28	21-27	12-20	10-11	6-9	≤ 5
■ Match Quantity	≥ 12	11	8-10	7	5-6	≤ 4
■ Number Sequence	≥ 9	8	5-7	3-4	1-2	0
■ Composite	≥ 48	43-47	34-42	30-33	25-29	≤ 24
Winter						
■ Number Identification	≥ 45	37-44	23-36	19-22	13-18	≤ 12
■ Number Sequence	≥ 12	11	9-10	7-8	5-6	≤ 4
■ Decomposing	≥ 8	7	5-6	4	2-3	≤ 1
■ Composite	≥ 83	71-82	51-70	42-50	29-41	≤ 28
Spring						
■ Number Identification	≥ 55	49-54	35-48	31-34	21-30	≤ 20
■ Number Sequence	N/A	13	10-12	9	7-8	≤ 6
■ Decomposing	N/A	8	7	6	4-5	≤ 3
■ Composite	≥ 111	93-110	63-92	50-62	31-49	≤ 30

Benchmarks for FAST Adaptive Measures-Kindergarten

Measure	Fall		Winter		Spring	
	Performance	Benchmark Status	Performance	Benchmark Status	Performance	Benchmark Status
aReading	0 - 371	Well Below	0 - 390	Well Below	0 - 415	Well Below
	372 - 385	Below	391 - 416	Below	416 - 433	Below
	≥ 386	At/Above	≥ 417	At/Above	≥ 434	At/Above
aMath	0 - 172	Well Below	0 - 177	Well Below	0 - 183	Well Below
	173 - 177	Below	178 - 183	Below	184 - 187	Below
	≥ 178	At/Above	≥ 184	At/Above	≥ 188	At/Above

National FAST Norms: *Kindergarten*

Subtest	Well Above Average	Above Average	Average	Low Average	Below Average	Well Below Average
Fall						
FAST aReading	≥ 421	409-420	386-408	378-385	369-377	≤ 368
FAST aMath	≥ 187	185-186	178-184	176-177	172-175	≤ 171
Winter						
FAST aReading	≥ 444	437-443	417-436	404-416	386-403	≤ 385
FAST aMath	≥ 191	190	185-189	181-184	177-180	≤ 176
Spring						
FAST aReading	≥ 459	448-458	434-447	426-433	408-425	≤ 407
FAST aMath	≥ 195	193-194	189-192	187-188	183-186	≤ 182

National CBM Math Norms: *Kindergarten*

Subtest	Well Above Average	Above Average	Average	Low Average	Below Average	Well Below Average
Fall						
■ Missing Number	≥ 14	11-13	2-10	1	0	N/A
■ Number Identification	≥ 56	47-55	23-46	13-22	4-12	≤ 3
■ Oral Counting	≥ 68	55-67	30-54	22-29	13-21	≤ 12
■ Quantity Discrimination	≥ 25	18-24	8-17	5-7	0-4	N/A
Winter						
■ Missing Number	≥ 20	17-19	9-16	6-8	3-5	≤ 2
■ Number Identification	≥ 58	57	45-56	36-44	22-35	≤ 21
■ Oral Counting	≥ 84	74-83	55-73	45-54	30-44	≤ 29
■ Quantity Discrimination	≥ 29	28	16-27	10-15	6-9	≤ 5
Spring						
■ Missing Number	≥ 22	21	13-20	10-12	7-9	≤ 6
■ Number Identification	≥ 58	57	55-56	49-54	38-48	≤ 37
■ Oral Counting	≥ 91	84-90	67-83	58-66	45-57	≤ 44
■ Quantity Discrimination	≥ 30	29	25-28	19-24	11-18	≤ 10

DIBELS Math Benchmarks

Kindergarten

Measure	Beginning of Year		Middle of Year		End of Year	
	Performance	Benchmark Status	Performance	Benchmark Status	Performance	Benchmark Status
BQD	0 - 1	Well Below	0 - 4	Well Below	0 - 8	Well Below
	2 - 4	Below	5 - 7	Below	9 - 11	Below
	≥ 5	At/Above	≥ 8	At/Above	≥ 12	At/Above
NIF	0 - 3	Well Below	0 - 7	Well Below	0 - 13	Well Below
	4 - 5	Below	8 - 14	Below	14 - 24	Below
	≥ 6	At/Above	≥ 15	At/Above	≥ 25	At/Above
NNF	0 - 1	Well Below	0 - 8	Well Below	0 - 9	Well Below
	2 - 4	Below	8 - 10	Below	10 - 12	Below
	≥ 5	At/Above	≥ 11	At/Above	≥ 13	At/Above
COMP	0 - 14	Well Below	0 - 50	Well Below	0 - 66	Well Below
	15 - 25	Below	51 - 71	Below	67 - 87	Below
	≥ 26	At/Above	≥ 72	At/Above	≥ 88	At/Above

National DIBELS Math Norms: *Kindergarten*

Subtest	Well Above Average	Above Average	Average	Low Average	Below Average	Well Below Average
Fall						
■ Beginning Quantity Discrimination	≥ 12	9-11	4-8	3	0-2	N/A
■ Number Identification	≥ 26	14-25	6-13	4-5	2-3	≤ 1
■ Next Number Fluency	≥ 13	10-12	4-9	2-3	0-1	N/A
■ Composite	≥ 72	49-71	25-48	17-24	9-16	≤ 8
Winter						
■ Beginning Quantity Discrimination	≥ 17	13-16	7-12	6	4-5	≤ 3
■ Number Identification	≥ 41	33-40	15-34	10-14	6-9	≤ 5
■ Next Number Fluency	≥ 18	16-17	10-15	8-9	5-7	≤ 4
■ Composite	≥ 140	113-139	74-112	59-73	41-58	≤ 40
Spring						
■ Beginning Quantity Discrimination	≥ 23	19-22	12-18	10-11	7-9	≤ 6
■ Number Identification	≥ 51	42-50	26-41	18-25	10-17	≤ 9
■ Next Number Fluency	≥ 20	18-19	12-17	10-11	7-9	≤ 6
■ Composite	≥ 151	128-150	92-127	76-91	57-75	≤ 56

Expected Weekly Growth Rates for *Critical Early Literacy Skills*

KINDERGARTEN		
Subtest	Realistic	Ambitious
Letter Naming Fluency	0.93	1.14
Initial Sound Fluency	0.49	0.78
First Sound Fluency	1.45	1.84
Phoneme Segmentation Fluency	0.92	1.25
Nonsense Word Fluency (CLS)*	0.80	1.30
Nonsense Word Fluency (WWR)	0.33	0.70

* From C. Parker (2003). [Utilizing general outcome measures to examine the weekly growth rates of kindergartners' early literacy skills]. Unpublished raw data.

Expected Weekly Growth Rates for *FAST earlyReading Subtests*

Gd.	Subtest	Typical	Ambitious
K	Onset Sounds	0.30	0.80
K	Letter Names	1.25	2.65
K	Letter Sounds	1.30	3.45
K	Word Blending	0.20	0.60
K	Word Segmenting	0.40	1.30
K	Decodable Words – Whole Words	1.05	1.80
K	Nonsense Words – Whole Words	0.70	1.25
K	Sight Words	1.60	3.35

Adapted from T. Christ (2014). *FAST Benchmark Scores and Normative Information 2014-2016 Academic Year*. Note: The reported values are considered preliminary growth rates because they are based on normative data from one year. As additional data are reviewed, adjustments to the growth rates may be made.

Expected Weekly Growth Rates for *FAST earlyReading Subtests*

Gd.	Subtest	Typical	Ambitious
K/1	Letter Names	1.25	2.65
K/1	Letter Sounds	1.30	3.45
K/1	Word Blending	0.20	0.60
1	Word Segmenting	0.40	1.05
1	Decodable Words – Whole Words	1.70	2.60
1	Nonsense Words – Whole Words	1.60	2.40
1	Sight Words	2.85	4.50

Adapted from T. Christ (2014). *FAST Benchmark Scores and Normative Information 2014-2016 Academic Year*. **Note:** The reported values are considered preliminary growth rates because they are based on normative data from one year. As additional data are reviewed, adjustments to the growth rates may be made.

Gain Scores Table: Kindergarten

Subtest	Weeks	Ambitious	Typical	Less than Typical
Letter Naming Fluency	5	≥ 7	5-6	≤ 4
	8	≥ 10	7-9	≤ 6
	10	≥ 12	9-11	≤ 8
Initial Sound Fluency	5	≥ 5	2-4	≤ 1
	8	≥ 7	4-6	≤ 3
	10	≥ 9	5-8	≤ 4
First Sound Fluency	5	≥ 9	8	≤ 7
	8	≥ 15	13-14	≤ 12
	10	≥ 18	15-17	≤ 14
Phoneme Segmentation Fluency	5	≥ 7	5-6	≤ 4
	8	≥ 11	7-10	≤ 6
	10	≥ 14	9-13	≤ 8
Nonsense Word Fluency (CLS)	5	≥ 8	4-7	≤ 3
	8	≥ 11	6-10	≤ 5
	10	≥ 14	8-13	≤ 7
Nonsense Word Fluency (WWR)	5	≥ 4	3	≤ 2
	8	≥ 6	4-5	≤ 3
	10	≥ 7	4-6	≤ 3

**National 2016-2017
40th Percentile
Cut-off Scores for the 4-Square Instructional Grouping Tables**

Kindergarten

Test	Fall 40th %	Winter 40th %	Spring 40th %
LNF	12	36	45
ISF	7	19	N/A
FSF	5	34	N/A
PSF	N/A	29	45
NWF - CLS	N/A	18	26
NWF - WWR	N/A	1	3