



Data Interpretation Guide National Standards of Success

FIRST GRADE 2016-2017

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Established Benchmarks Levels

First Grade

Measure	Beginning of Year		Middle of Year		End of Year	
	Performance	Benchmark Status	Performance	Benchmark Status	Performance	Benchmark Status
PSF	0 - 24 25 - 39 ≥ 40	Well Below Below At/Above				
NWF-CLS	0 - 17 18 - 26 ≥ 27	Well Below Below At/Above	0 - 32 33 - 42 ≥ 43	Well Below Below At/Above	0 - 46 47 - 57 ≥ 58	Well Below Below At/Above
NWF-WWR			0 - 2 3 - 7 ≥ 8	Well Below Below At/Above	0 - 5 6 - 12 ≥ 13	Well Below Below At/Above
CBM/ORF			0 - 7 8 - 19 ≥ 20	Well Below Below At/Above	0 - 19 20 - 39 ≥ 40	Well Below Below At/Above
D-ORF *			0 - 15 16 - 22 ≥ 23	Well Below Below At/Above	0 - 31 32 - 46 ≥ 47	Well Below Below At/Above

*D-ORF - DIBELS® Next Oral Reading Fluency (DORF)

National Public Schools' Norms: *First Grade*

Subtest	Well Above Average	Above Average	Average	Low Average	Below Average	Well Below Average
Fall						
■ LNF	≥ 65	57-64	42-56	37-41	27-36	≤ 26
■ LSF	≥ 50	42-49	27-41	21-26	14-20	≤ 13
■ PSF	≥ 61	54-60	40-53	33-39	19-32	≤ 18
■ NWF-CLS	≥ 61	44-60	26-43	21-25	13-20	12
■ NWF-WWR	≥ 16	9-15	1-8	0	---	---
Winter						
■ PSF*	≥ 67	59-66	45-58	39-44	29-38	≤ 28
■ NWF-CLS	≥ 108	77-107	45-76	37-44	27-36	≤ 26
■ NWF-WWR	≥ 35	24-34	10-23	5-9	2-4	≤ 1
■ CBM/ORF	≥ 93	62-92	24-61	17-23	10-16	≤ 9
■ D-ORF*	≥ 82	51-81	23-50	16-22	10-15	≤ 9
Spring						
■ PSF*	≥ 72	64-71	50-63	44-49	36-43	≤ 35
■ NWF-CLS	≥ 136	104-135	60-103	48-59	35-47	≤ 34
■ NWF-WWR	≥ 45	34-44	17-33	11-16	5-10	≤ 4
■ CBM/ORF	≥ 120	93-119	52-92	37-51	21-36	≤ 20
■ D-ORF**	≥ 103	83-102	47-82	32-46	17-31	≤ 16

Note: *DIBELS Standards Used for PSF Winter & Spring/ **D-ORF - DIBELS® Next Oral Reading Fluency (DORF)

Benchmarks for FAST earlyReading – First Grade

Measure	Fall		Winter		Spring	
	Performance	Benchmark Status	Performance	Benchmark Status	Performance	Benchmark Status
Word Segmenting	0 - 20	Well Below	0 - 26	Well Below	0 - 28	Well Below
	21 - 25	Below	27 - 29	Below	29 - 31	Below
	≥ 26	At/Above	≥ 30	At/Above	≥ 32	At/Above
Nonsense Word	0 - 4	Well Below	0 - 9	Well Below	0 - 13	Well Below
	5 - 8	Below	10 - 14	Below	14 - 19	Below
	≥ 9	At/Above	≥ 15	At/Above	≥ 20	At/Above
Sight Words	0 - 6	Well Below	0 - 25	Well Below	0 - 48	Well Below
	7 - 19	Below	26 - 47	Below	49 - 63	Below
	≥ 20	At/Above	≥ 48	At/Above	≥ 64	At/Above
Sentence Reading	0 - 9	Well Below				
	10 - 17	Below				
	≥ 18	At/Above				
CBM-Reading			0 - 21	Well Below	0 - 43	Well Below
			22 - 40	Below	44 - 69	Below
			≥ 41	At/Above	≥ 70	At/Above
Composite	0 - 25	Well Below	0 - 36	Well Below	0 - 48	Well Below
	26 - 33	Below	37 - 50	Below	49 - 63	Below
	≥ 34	At/Above	≥ 51	At/Above	≥ 64	At/Above

FAST earlyReading Norms: *First Grade*

Subtest	Well Above Average	Above Average	Average	Low Average	Below Average	Well Below Average
Fall						
■ Word Segmenting	≥ 33	31-32	27-30	24-26	19-23	≤ 18
■ Nonsense Words	≥ 19	15-18	9-14	7-8	4-6	≤ 3
■ Decodable Words	≥ 28	16-27	6-15	4-5	2-3	≤ 1
■ Site Words	≥ 57	46-56	16-45	9-15	4-8	≤ 3
■ Sentence Reading	≥ 65	39-64	14-38	10-13	6-9	≤ 5
■ Composite	≥ 50	46-49	38-45	35-37	30-34	≤ 29
Winter						
■ Word Segmenting	N/A	34	31-33	29-30	25-28	≤ 24
■ Nonsense Words	≥ 33	25-32	15-24	12-14	9-11	≤ 8
■ Decodable Words	≥ 49	35-48	17-34	13-16	8-12	≤ 7
■ Site Words	≥ 80	70-79	49-69	38-48	23-47	≤ 22
■ CBM Reading	≥ 74	68-73	55-67	50-54	42-49	≤ 41
■ Composite	≥ 65	59-64	48-58	44-47	37-42	≤ 36
Spring						
■ Word Segmenting	N/A	N/A	32-34	31	28-30	≤ 27
■ Nonsense Words	≥ 42	33-41	20-32	16-19	12-15	≤ 11
■ Decodable Words	≥ 60	49-59	28-48	20-27	13-19	≤ 12
■ Site Words	≥ 94	84-93	65-83	57-64	45-56	≤ 44
■ CBM Reading	≥ 92	83-91	66-82	59-65	49-58	≤ 48
■ Composite	≥ 76	69-75	56-68	51-55	43-50	≤ 42

Benchmarks for FAST CBM Reading & Adaptive Measures – First Grade

	Fall		Winter		Spring	
Measure	Performance	Benchmark Status	Performance	Benchmark Status	Performance	Benchmark Status
CBM Reading			0 - 21	Well Below	0 - 43	Well Below
			22 - 40	Below	44 - 69	Below
			≥ 41	At/Above	≥ 70	At/Above
aReading	0 - 414	Well Below	0 - 438	Well Below	0 - 450	Well Below
	415 - 433	Below	439 - 452	Below	451 - 468	Below
	≥ 434	At/Above	≥ 453	At/Above	≥ 469	At/Above
aMath	0 - 183	Well Below	0 - 188	Well Below	0 - 191	Well Below
	184 - 187	Below	189 - 191	Below	192 - 195	Below
	≥ 188	At/Above	≥ 192	At/Above	≥ 196	At/Above

National FAST CBM Reading & Adaptive Norms: *First Grade*

Subtest	Well Above Average	Above Average	Average	Low Average	Below Average	Well Below Average
Fall						
FAST aReading	≥ 464	450-463	434-449	426-433	407-425	≤ 406
FAST aMath	≥ 194	193	188-192	187	185-186	≤ 184
Winter						
FAST CBM Reading	≥ 74	68-73	55-67	50-54	42-49	≤ 41
FAST aReading	≥ 482	475-481	453-474	445-452	436-444	≤ 435
FAST aMath	≥ 200	198-199	193-197	191-192	189-190	≤ 188
Spring						
FAST CBM Reading	≥ 92	83-91	66-82	59-65	49-58	≤ 48
FAST aReading	≥ 494	483-493	469-482	460-468	447-459	≤ 446
FAST aMath	≥ 203	202	196-201	194-195	192-193	≤ 191

Benchmarks for FAST early Math First Grade

Measure	Fall		Winter		Spring	
	Performance	Benchmark Status	Performance	Benchmark Status	Performance	Benchmark Status
Number Identification	0 - 24	Well Below	0 - 33	Well Below	0 - 37	Well Below
	25 - 29	Below	34 - 36	Below	38 - 41	Below
	≥ 30	At/Above	≥ 37	At/Above	≥ 42	At/Above
Number Sequence	0 - 2	Well Below	0 - 4	Well Below	0 - 7	Well Below
	3 - 4	Below	5 - 7	Below	8 - 10	Below
	≥ 5	At/Above	≥ 8	At/Above	≥ 11	At/Above
Decomposing	0	Well Below	0 - 3	Well Below	0 - 4	Well Below
	1 - 2	Below	4 - 5	Below	5 - 7	Below
	≥ 3	At/Above	≥ 6	At/Above	≥ 8	At/Above
Place Value			0 - 2	Well Below	0 - 3	Well Below
			3 - 4	Below	4 - 5	Below
			≥ 5	At/Above	≥ 6	At/Above
Composite	0 - 12	Well Below	0 - 30	Well Below	0 - 37	Well Below
	13 - 32	Below	31 - 53	Below	38 - 61	Below
	≥ 33	At/Above	≥ 54	At/Above	≥ 62	At/Above

FAST earlyMath Norms: *First Grade*

Subtest	Well Above Average	Above Average	Average	Low Average	Below Average	Well Below Average
Fall						
■ Number Identification	≥ 38	36-37	28-35	23-27	17-22	≤ 16
■ Number Sequence	≥ 12	11	8-9	7	5-6	≤ 4
■ Decomposing	≥ 8	7-7	4-6	2-3	1	0
■ Composite	≥ 71	57-70	33-56	22-32	7-21	≤ 6
Winter						
■ Number Identification	≥ 52	48-51	37-47	36	31-35	≤ 30
■ Decomposing	≥ 12	11	8-10	6-7	3-5	≤ 2
■ Place Value	≥ 6	5	4	3	2	≤ 1
■ Composite	≥ 95	80-94	54-79	43-53	26-42	≤ 25
Spring						
■ Number Identification	≥ 54	50-53	42-49	39-41	35-38	≤ 34
■ Decomposing	≥ 15	13-14	9-12	8	5-7	≤ 4
■ Place Value	≥ 7	6	5	4	3	≤ 2
■ Composite	≥ 116	95-115	62-94	47-61	26-46	≤ 25

National CBM Math Norms: *First Grade*

Subtest	Well Above Average	Above Average	Average	Low Average	Below Average	Well Below Average
Fall						
■ Missing Number	≥ 20	17-19	10-16	7-9	4-6	≤ 3
■ Number Identification	≥ 62	54-61	37-53	28-36	17-27	≤ 16
■ Oral Counting	≥ 89	81-88	65-80	57-64	43-56	≤ 42
■ Quantity Discrimination	≥ 32	28-31	18-27	13-17	6-12	≤ 5
■ M-COMP	≥ 25	16-24	6-15	4-5	2-3	≤ 1
Winter						
■ Missing Number	≥ 24	22-23	16-21	13-15	10-12	≤ 9
■ Number Identification	≥ 74	68-73	54-67	48-53	36-47	≤ 35
■ Oral Counting	≥ 94	89-93	75-88	68-74	58-67	≤ 57
■ Quantity Discrimination	≥ 37	35-36	27-34	23-26	16-22	≤ 15
■ M-COMP	≥ 42	36-41	22-35	16-21	10-15	≤ 9
Spring						
■ Missing Number	≥ 26	24-25	18-23	15-17	12-14	≤ 11
■ Number Identification	≥ 76	71-75	58-70	51-57	42-50	≤ 41
■ Oral Counting	≥ 96	92-95	80-91	74-79	64-73	≤ 63
■ Quantity Discrimination	≥ 38	37	30-36	26-29	21-25	≤ 20
■ M-COMP	≥ 48	44-47	33-43	26-32	17-25	≤ 16

DIBELS Math Benchmarks

First Grade

Measure	Beginning of Year		Middle of Year		End of Year	
	Performance	Benchmark Status	Performance	Benchmark Status	Performance	Benchmark Status
NIF	0 - 14					
	15 - 24					
	≥ 25					
NNF	0 - 7					
	8 - 11					
	≥ 12					
AQD	0 - 5	Well Below	0 - 13	Well Below	0 - 15	Well Below
	6 - 9	Below	14 - 18	Below	16 - 20	Below
	≥ 10	At/Above	≥ 19	At/Above	≥ 21	At/Above
MNF	0 - 1	Well Below	0 - 4	Well Below	0 - 66	Well Below
	2 - 3	Below	5 - 7	Below	7 - 9	Below
	≥ 4	At/Above	≥ 8	At/Above	≥ 10	At/Above
Computation	0 - 2	Well Below	0 - 6	Well Below	0 - 10	Well Below
	3 - 4	Below	7 - 9	Below	11 - 14	Below
	≥ 5	At/Above	≥ 10	At/Above	≥ 15	At/Above
Composite	0 - 87	Well Below	0 - 32	Well Below	0 - 43	Well Below
	88 - 123	Below	33 - 43	Below	44 - 55	Below
	≥ 124	At/Above	≥ 44	At/Above	≥ 56	At/Above

National DIBELS Math Norms: *First Grade*

Subtest	Well Above Average	Above Average	Average	Low Average	Below Average	Well Below Average
Fall						
■ Number Identification	≥ 50	41-49	25-40	11-24	10	≤ 9
■ Next Number Fluency	≥ 20	17-19	11-16	9-10	6-8	≤ 5
■ Advanced Quantity Discrimination	≥ 22	18-21	9-17	7-8	2-6	≤ 1
■ Middle Number Fluency	≥ 9	7-8	3-6	2	1	0
■ Computation	≥ 12	9-11	4-8	2-3	1	0
■ Composite	≥ 234	187-233	119-186	93-118	60-92	≤ 59
Winter						
■ Advanced Quantity Discrimination	≥ 30	26-29	18-25	15-17	10-14	≤ 9
■ Middle Number Fluency	≥ 14	12-13	7-11	5-6	3-4	≤ 2
■ Computation	≥ 23	18-22	10-17	7-9	5-6	≤ 4
■ Composite	≥ 77	64-76	44-63	36-43	26-35	≤ 25
Spring						
■ Advanced Quantity Discrimination	≥ 32	29-31	21-28	17-20	13-16	≤ 12
■ Middle Number Fluency	≥ 17	15-16	10-14	7-9	5-6	≤ 4
■ Computation	≥ 32	25-31	15-24	12-14	8-11	≤ 7
■ Composite	≥ 93	79-92	57-78	48-56	36-47	≤ 35

Expected Weekly Growth Rates for *Critical Early Literacy Skills & CBM/ORF/D-ORF**

GRADE 1		
Subtest	Realistic	Ambitious
Phoneme Segmentation Fluency (PSF)	0.64	0.76
Nonsense Word Fluency (CLS)	0.87	1.18
Nonsense Word Fluency (WWR)	0.56	0.85
CBM/ORF/D-ORF*	2.00	3.00

*D-ORF - DIBELS® Next Oral Reading Fluency (DORF)

Note¹: PSF & NWF from C. Parker (2003). [*Utilizing general outcome measures to examine the weekly growth rates of first graders' early literacy skills*]. Unpublished raw data.

Note²: CBM Reading (ORF) from Fuchs, Fuchs, Hamlett, Walz, & Germann (1993). Formative evaluation of academic progress: How much growth can we expect? *School Psychology Review*, 22(1), 27-48.

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 2016-2017 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: First Grade

Subtest	Weeks	Ambitious	Typical	Less than Typical
Phoneme Segmentation Fluency	5	≥ 5	3-4	≤ 2
	8	≥ 7	5-6	≤ 4
	10	≥ 9	6-8	≤ 5
Nonsense Word Fluency (CLS)	5	≥ 7	4-6	≤ 3
	8	≥ 10	7-9	≤ 6
	10	≥ 13	9-12	≤ 8
Nonsense Word Fluency (WWR)	5	≥ 4	3	≤ 2
	8	≥ 7	5-6	≤ 4
	10	≥ 9	7-8	≤ 6
CBM/ORF/D-ORF*	5	≥ 16	10-15	≤ 9
	8	≥ 25	16-24	≤ 15
	10	≥ 31	20-30	≤ 19

*D-ORF - DIBELS® Next Oral Reading Fluency (DORF)

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

First Grade

Test	Fall 40th %	Winter 40th %	Spring 40th %
LNF	40	N/A	N/A
PSF	37	45	50
NWF-CLS	23	41	54
NWF-WWR	2	15	24
CBM/ORF	N/A	24	52
D-ORF*	N/A	23	47

*D-ORF - DIBELS® Next Oral Reading Fluency (DORF)