



Data Interpretation Guide

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)

Massachusetts Public Schools' Norms: *First Grade*

Subtest	Well Above Average	Above Average	Average	Low Average	Below Average	Well Below Average
Fall						
■ LNF	≥ 69	60-68	44-59	38-43	28-37	≤ 27
■ PSF	≥ 64	57-63	44-56	37-43	25-36	≤ 24
■ NWF-CLS	≥ 75	50-74	30-49	24-29	16-23	≤ 15
■ NWF-WWR	≥ 23	12-22	2-11	1	0	0
Winter						
■ PSF	≥ 74	68-73	56-67	50-55	42-49	≤ 41
■ NWF-CLS	≥ 121	87-120	53-86	43-52	33-42	≤ 32
■ NWF-WWR	≥ 44	31-43	15-30	10-14	3-9	≤ 2
■ CBM/ORF	≥ 104	74-103	30-73	21-29	13-20	≤ 12
■ D-ORF*	≥ 95	64-94	26-63	19-25	12-18	≤ 11
Spring						
■ PSF	≥ 75	71-74	60-70	55-59	48-54	≤ 47
■ NWF-CLS	≥ 141	120-140	73-119	58-72	44-57	≤ 43
■ NWF-WWR	≥ 49	42-48	24-41	18-23	10-17	≤ 9
■ CBM/ORF	≥ 132	104-131	65-103	50-64	30-49	≤ 29
■ D-ORF*	≥ 116	92-115	57-91	39-56	23-38	≤ 22

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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	189-192	187-188	183-186	≤ 182
Winter						
FAST CBM Reading	≥ 74	68-73	55-67	50-54	42-49	≤ 41
FAST aReading	≥ 482	475-4781	453-474	445-452	436-444	≤ 435
FAST aMath	≥ 201	199-200	193-198	191-192	188-190	≤ 187
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	≥ 204	203	196-201	194-195	191-193	≤ 190

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				
	7 - 19	Below				
	≥ 20	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

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

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.

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

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**Massachusetts 2012-2013
40th Percentile
Cut-off Scores for the 4-Square Instructional Grouping Tables**

First Grade

Test	Fall 40th %	Winter 40th %	Spring 40th %
LNF	44	N/A	N/A
PSF	44	56	60
NWF-CLS	30	53	73
NWF-WWR	2	15	24
CBM/ORF	N/A	30	65
D-ORF*	N/A	26	57

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