About Oral Reading Fluency (ORF)

Oral Reading Fluency (ORF) involves having students read aloud from an unpracticed passagincorrectly, omitted, read out of order, or words pronounced for the student by the examiner af minute (WCPM). This WCPM score has 30 years of validation research conducted over three the primary grades.

Purposes

ORF is used for two primary purposes: **screening** and **progress monitoring**.

When ORF is used to screen students, the driving questions are, first: "How does this student of reading failure?"

To answer these questions, decision-makers rely on ORF norms that identify performance ber individual student's WCPM score can be compared to these benchmarks and determined to be benchmark, below benchmark, or significantly below benchmark. Those students below or significantly decision further diagnostic assessments to help teachers determine their skill strengths (Hasbrouck, 2010).

When using ORF for progress monitoring, the questions to be answered are: "Is this student provided improving this student's skills?"

When ORF assessments are used to answer these questions, they must be administered freq and a goal determined. A student's goal can be based on established performance benchmark

Multidimensional Elements of Fluent Reading

Dr. Timothy V. Rasinski writes in his short publication "Assessing Reading Fluency" (https://

[K] eading fluency is **multidimensional** – one dimension stresses the importance of **a recognition of words** in connected text, and a third dimension stresses **expressive** another – accurate and automatic reading creates the conditions for expressive reading must be taught, and all must be monitored.

Definitions

Decoding accuracy the ability of readers to decode words accurately in text

Automaticity the ability of readers to decode words in text with minimal use of atte

Prosody

the ability of readers to appropriately use phrasing and expression

e for one minute. An examiner notes any errors made (words read or pronounced ter a 3-second pause) and then calculates the total of words read correctly per decades, indicating it is a robust indicator of overall reading development throughout

Quoted from Hasbrouck and Tindal, 2017

nt's performance compare to his/her peers?" and then: "Is this student at risk

nchmarks at the beginning (fall), middle (winter), and end (spring) of the year. An either significantly above benchmark, above benchmark, at the expected nificantly below benchmark are at possible risk of reading difficulties. They are good or weaknesses, and plan appropriately targeted instruction and intervention

making expected progress?" and "Is the instruction or intervention being

uently (weekly, bimonthly, etc.), the results placed on a graph for ease of analysis, is or information on expected rates of progress.

Quoted from Hasbrouck and Tindal, 2017

files.eric.ed.gov/fulltext/ED483166.pdf):

and meaningful interpretation of text. These dimensions are related to one ng. All three are important for effective comprehension and overall good reading. All

Dr. Timothy Rasinski

Dr. Timothy Rasinski

entional resources

Dr. Timothy Rasinski

Hasbrouck & Tindal Studies

Hasbrouck, J. 8

<u>Jan Hasbrouck</u> and <u>Gerald Tindal</u> first published their oral reading fluency norms in 1 → **students in gra**<a href="https://journals.gra/https://journals.g

A 2006 report, "Oral Reading Fluency: 90 Years of Measurement," updated the actual numbers used for norming and expanded the data to grades 1 to 8.

Hasbrouck, J. 8

→ assessment to

https://brtprojec

Their 2017 update included "data from three widely-used commercially available ORF assessments (DIBELS 6th Edition©, DIBELS Next©, and easyCBM©)" and represented grades 1 to 6.

Hasbrouck, J. 8

→ Report No. 170:
Oregon.

https://files.eric.

Charts displaying the 2006 and 2017 norms are below, with data points for the 10th, 25th, 50th, 75th, and "Spring benchmark" refers to the *50th percentile WCPM* for *Spring*. Values that are *identical* or *within 1* c Printable one-pagers have also been provided by Read Naturally: 2006 norms and 2017 norms.

2006 Fluency Norms

GRADE	PERCENTILE	WORDS CORRECT PER MINUTE			
		FALL	WINTER	SPRING	
Spring benchmark:	90th percentile		81	111	
	75th percentile		47	82	
	50th percentile		23	53	
	25th percentile		12	28	
	10th percentile		6	15	

GRADE
1
Spring benchmark:

GRADE	PERCENTILE	WORDS CORRECT PER MINUTE			
		FALL	WINTER	SPRING	
Spring benchmark:	90th percentile	106	125	142	
	75th percentile	79	100	117	
	50th percentile	51	72	89	
	25th percentile	25	42	61	

GRADE
2
Spring benchmark:

89	10th percentile	11	18	31		100
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GRADE	PERCENTILE	WORDS CORRECT PER MINUTE			
		FALL	WINTER	SPRING	
Spring benchmark:	90th percentile	128	146	162	
	75th percentile	99	120	137	
	50th percentile	71	92	107	
	25th percentile	44	62	78	
	10th percentile	21	36	48	

GRADE
3
Spring benchmark:
112

GRADE	PERCENTILE	WORDS CORRECT PER MINUTE			
		FALL	WINTER	SPRING	
Spring benchmark:	90th percentile	145	166	180	
	75th percentile	119	139	152	
	50th percentile	94	112	123	
	25th percentile	68	87	98	
	10th percentile	45	61	72	

GRADE
4
Spring benchmark:
133

GRADE	PERCENTILE	WORDS CORRECT PER MINUTE			
		FALL	WINTER	SPRING	
Spring benchmark:	90th percentile	166	182	194	
	75th percentile	139	156	168	
	50th percentile	110	127	139	
	25th percentile	85	99	109	
	10th percentile	61	74	83	

GRADE
5
Spring benchmark:

CDADE	DEDACKITH	_

WORDS CORRECT PER MINUTE

CDADE

GKADE	FERGENTILE	FALL	WINTER	SPRING	
	90th percentile	177	195	204	
6	75th percentile	153	167	177	
	50th percentile	127	140	150	
Spring benchmark:	50th percentile 127 25th percentile 98	111	122		
150	10th percentile	68	82	93	

GKADE
6
Spring benchmark:

GRADE	Depositive	WORDS CORRECT PER MINUTE					
GRADE	PERCENTILE	FALL	WINTER	SPRING			
	90th percentile	180	192	202			
7	75th percentile	156	165	177			
	50th percentile	128	136	150			
Spring benchmark:	25th percentile	102	109	123			
150	10th percentile	79	88	98			

GRADE	Depositive	WORDS CORRECT PER MINUTE					
GRADE	PERCENTILE	FALL	WINTER	SPRING			
	90th percentile	185	199	199			
8	75th percentile	161	173	177			
	50th percentile	133	146	151			
Spring benchmark:	25th percentile	106	115	124			
151	10th percentile	77	84	97			

Tindal, G. (1992). Curriculum-based oral reading fluency norms for ades 2 through 5. Teaching Exceptional Children, 24(3), 41-44. sagepub.com/doi/10.1177/004005999202400310 (partial)

Tindal, G. A. (2006). **Oral reading fluency norms: A valuable of for reading teachers.** The Reading Teacher. 59(7), 636-644.). ts.org/wp-content/uploads/2022/07/TechRpt33 FluencyNorms.pdf

Tindal, G. (2017). **An update to compiled ORF norms** (Technical 2). Eugene, OR, Behavioral Research and Teaching, University of

ed.gov/fulltext/ED594994.pdf

90th percentiles three times a year.

or 2 digits are highlighted in both tables.

2017 Fluency Norms

Depositive	WORDS CORRECT PER MINUTE					
PERCENTILE	FALL	WINTER	SPRING			
90th percentile		97	116			
75th percentile		59	91			
50th percentile		29	60			
25th percentile		16	34			
10th percentile		9	18			

PERCENTILE	WORDS CORRECT PER MINUTE					
PERCENTILE	FALL	WINTER	SPRING			
90th percentile	111	131	148			
75th percentile	84	109	124			
50th percentile	50	84	100			
25th percentile	36	59	72			

10th percentile	23	35	43
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Depositive	WORDS CORRECT PER MINUTE					
PERCENTILE	FALL	WINTER	SPRING			
90th percentile	134	161	166			
75th percentile	104	137	139			
50th percentile	83	97	112			
25th percentile	59	79	91			
10th percentile	40	62	63			

Deporture	WORDS CORRECT PER MINUTE						
PERCENTILE	FALL	WINTER	SPRING				
90th percentile	153	168	184				
75th percentile	125	143	160				
50th percentile	94	120	133				
25th percentile	75	95	105				
10th percentile	60	71	83				

Depositive	WORDS CORRECT PER MINUTE					
PERCENTILE	FALL	WINTER	SPRING			
90th percentile	179	183	195			
75th percentile	153	160	169			
50th percentile	121	133	146			
25th percentile	87	109	119			
10th percentile	64	84	102			

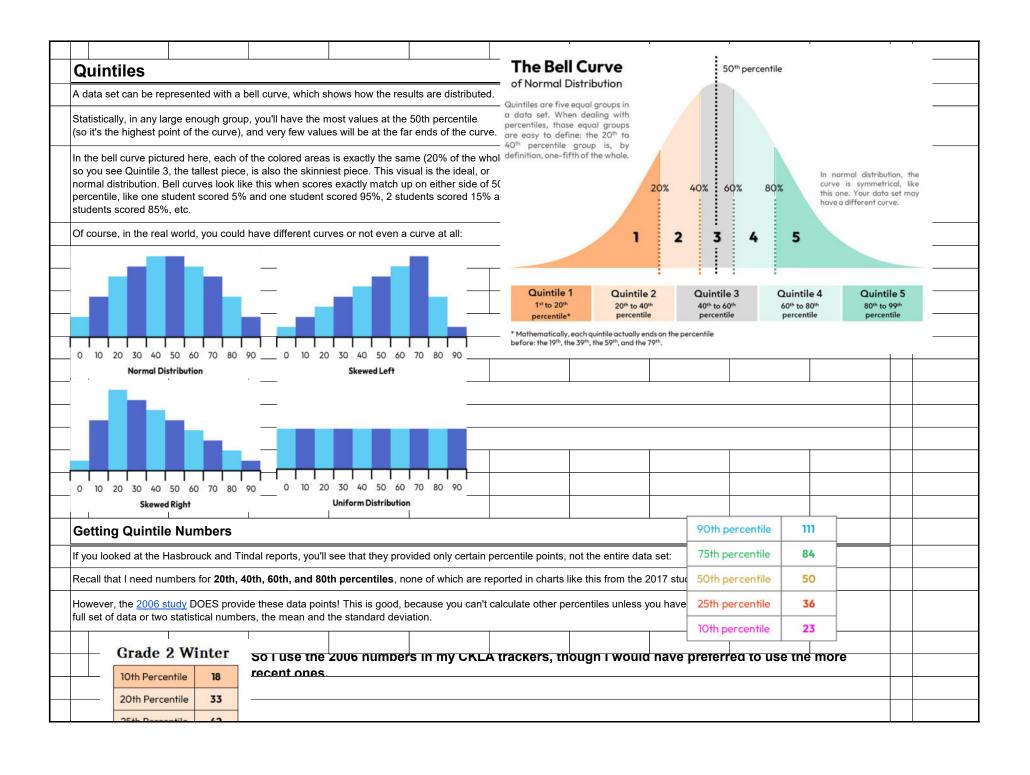
WORDS CORRECT PER MINUTE

DEDCENTH E

PERCENTILE	FALL	WINTER	SPRING	
90th percentile	185	195	204	
75th percentile	159	166	173	
50th percentile	132	145	146	
25th percentile	112	116	122	
10th percentile	89	91	91	

CKLA Reporting This page will explain how I made decisions from CKLA fluency specifications, Hasbrouck and Tindal available data, and some data theory. This may seem like too much explanation or perhaps even overthinking, but if you're looking at one of my CKLA assessment trackers and wondering why I differed from the official directions. I wanted to be clear about my process to make sense of all of this! And I want to help YOU use your fluency data in the most effective way possible. Percentiles Percentiles are, by their very definition, the basis of equal groups of numbers of students. What does this mean? It means that each grouping of 10 percentile points is 10% of the total number of students who took the test/nationally: 1st to 10th 10th to 20th 20th to 30th 30th to 40th 40th to 50th 50th to 60th 60th to 70th 70th to 80th 80th to 90th 90th to 99th percentile* percentile percentile percentile percentile percentile percentile percentile percentile percentile 10% of students** students students students students students students students students students * Labeled with 10th, 20th, etc. for readability – is really 10th to 19th, for example. ** Approximately. There is no "0 percentile" or "100th percentile," so each group is actually more like 9%. CKLA + Hasbrouck and Tindal In CKLA (first and second editions alike), end-of-unit assessments include fluency at key points: in Grade 1 Unit 7 (end-of-year), in Grade 2 Unit 2, in Grade 2 Unit 3 (optional), in Grade 2 Unit 4, and in Grade 2 Unit 6 (end-of-year). CKLA uses the published statistics from Hasbrouck and Tindal's 2006 studies (even in the second edition of CKLA). They also use the 10/25/50/75/90 cutoff scores. Knowing what we know about percentiles, the 10/25/50/75/90 benchmarks do create uneven groups: 1st to 10th 50th to 75th 10th to 25th 25th to 50th 75th to 90th 90th to 99th percentile percentile percentile percentile percentile percentile 10% of 15% of 25% of 25% of 15% of 10% of students students students students students students Below is the guidance provided for each of the fluency occurrences in Grades 1 and 2. I wanted to get a clear picture of how CKLA suggests you use a student's WCPM score. G1 U7: "Students who score in the 25th or lower percentile are below grade level. Students who score in the 50th percentile are on grade level. Students who score in the 75th-90th or above percentile are above grade level." G2 U2: "A score below the 50th percentile may be cause for concern; a score below the 25th percentile is definite cause for concern." G2 U3 (optional): "If time permits, you may also want to administer the optional Fluency assessment located in Teacher Resources." No other quidance is provided. G2 U4: Students are scored on the Multidimensional Fluency Scale (fluent, mostly fluent, improving, labored) rather than on percentiles, though WCPM is calculated. G2 U6: Same as for G1 U7, as both are end-of-year tests. Oral Comprehension Score The EOY tests also ask you to note the "percentile," which I don't understand as it's not like you can calculate every percen (on Repeated Reading) But, more than the uneven directions from test to test, I was not able to square CKLA's guidance with the percentile ranges. How do you "label" student performance at, say, the 30th percentile or the 60th? And should there be wiggle room for On Level and, if so, how much?

	"Below Under 25 th			"On L				ve Level": 5th percentile			
	1st to 10th percentile	10 th to 25 th percentile	25 th to 50 th percentile		50 th to	- C. T	75 th to 90 percentil				
Q	│ uestion 1: What is "On Le	evel"?									
	mentioned above, I wasn't comfo 49th percentile not close enough?		ile being co	nsidered "on grade lev	el." Grade	PERCENTILE	WORDS CORRECT PI				
	id find a comment in one of the flu <i>NCPM less</i> than the 50th percenti			reen zone" to be		90th percentile		e "green zone"			
	owever, calculating this for every g vanted something more systemation		felt messy a	and	2	50th percentile		n level" would b 60 WCPM	e		
						25th percentile	36 59	72			
Q	uestion 2: What is In Bety	ween Three Groups a	and Six?	-		10th percentile	23 35	43	<u> </u>		
-	ke that in the 10/25/50/75/90 mode			ative performance in a	more ni	lanced way than	the simple he	elow on orabo	ve grade level		
	t - I want the categories to have e			•			<u> </u>				
										0.00	•
	r example, in this model, you have		1st to 10th percentile	10 th to 25 th percentile		th to 50 th ercentile		^h to 75 th ercentile	75 th to 90 th percentile	90 th to 99 percentile	
	have 30 students, I can expect 3 students in the next group up, the	• • • • • • • • • • • • • • • • • • • •	10% of students	15% of students		5% of udents		5% of udents	15% of students	10% of student	
S	olution: Quintiles										
Ιc	hose one solution that would answ	ver both of the questions abo	ve: represe	nting the data with qui	ntiles. C	uintiles are five	equal groups	s:			
		Quintile 1 1st to 20th percentile	Quintile 20th to 40 percenti	0 th 40 th to	60 th	Quinti 60 th to 8 percen	BO th	Quintile 5 80 th to 99 th percentile			
Th	e next page explains more about o	quintiles and their uses and	calculation	but overall this model	has kev	characteristics:					
		·		<u> </u>			to 60th man-	ntilo oro "avar	0."		
	⇒ Quintile 3 has a nice paddil ⇒ These are five equal group:	•		, ,		0 0	•	-		ikely)	
	bottom-heavv ⇒ Five groups are better than below "										
	⇒ Quintiles can be compared was in Quintile 1, then Quintile 2			- '	•		in fall, spring, a	and winter), but i	f you can say th	at a child	



	ZJIII rei Ceillile	42					
]	30th Percentile	49					
[40th Percentile	61					
<u> </u>	50th Percentile	72					
[60th Percentile	84					
<u> </u>	70th Percentile	94					
_ [75th Percentile	100					
[80th Percentile	107					
_ [90th Percentile	125					
-			28				

Multidimensional Fluency Scale

The original, or at least updated by one of the authors himself, version of this scale looks like the

1 2

Expression and Volume	Reads in a quiet voice as if to get words out. The reading does not sound natural like talking to a friend.	Reads in a quiet voice. The reading sounds natural in part of the text, but the reader does not always sound like they are talking to a friend.
Phrasing	Reads word-by-word in a monotone voice.	Reads in two or three word phrases, not adhering to punctuation, stress and intonation.
Smoothness	Frequently hesitates while reading, sounds out words, and repeats words or phrases. The reader makes multiple attempts to read the same passage.	Reads with extended pauses or hesitations. The reader has many "rough spots."
Pace	Reads slowly and laboriously.	Reads moderately slowly.

CKLA's version of this scale, used in Grade 2, Unit 4, looks like this (rotated/transposed to res

	Labored	Developing
Phrasing		Attempts to make text meaningful but still struggles with decoding words
Prosody	Many long pauses, rereads, and multiple attempts	Attempts phrases, may still have word- by-word reading for some of passage
Pace	Very slow and laborious	Still hesitant and not fluid; very choppy

I have not found any reference to or rationale for these changes in category names, labels, nur **Phrasing** and **Pace** have some similar content across the two versions:

	Phrasing (MDFS)	Phrasing (CKLA)	
1	Reads word-by-word in a monotone voice.	Mostly reads word-by-word	1
2	Reads in two or three word phrases, not adhering to punctuation, stress and	Attempts to make text meaningful but	2

_	intonation.	still struggles with decoding words	_
3	Reads with a mixture of run-ons, mid sentence pauses for breath, and some choppiness . There is reasonable stress and intonation.	May stumble occasionally over words	3
4	Reads with good phrasing; adhering to punctuation, stress and intonation.	Good expression and engagement with text	4

Prosody, by definition, includes elements of expression, volume, and smoothness ("reading wi and stresses for the text," definition from this page), and it looks like CKLA did perhaps try to contain the contained of the text," definition from the text, "text and the text and the te

Prosody (CKLA)

	,
1	Many long pauses, rereads, and multiple attempts
2	Attempts phrases, may still have word- by-word reading for some of passage
3	May read too fast and/or too slow without regard to textual signals
4	Observation of functional text signals and meaningful expression

Expression & Volume (MDFS

1	Reads in a quiet voice as if to get words out. The reading does not sound natural like talking to a friend.
2	Reads in a quiet voice. The reading sounds natural in part of the text, but the reader does not always sound like they are talking to a friend.
3	Reads with volume and expression. However, sometimes the reader slips into expressionless reading and does not sound like they are talking to a friend.
4	Reads with varied volume and expression. The reader sounds like they are talking to a friend with their voice matching the interpretation of the passage.

So it's hard to make a one-on-one comparison between the two rubrics. To be honest, CKLA so

"May read too fast and/or too slow without regard to textual signals" is under Prosody

"Good expression and engagement with text" is under Phrasing, not **Prosody**.

"Attempts phrases, may still have word-by-word reading for some of passage" is und

Creating an Overall Level for the Rubric

Even on the original MDFS, which uses numeric values 1-4 for the four categories, no overall s categories can be misleading, but I also think people want to know what the three or four separ

For the purposes of assessment tracking in CKLA, I created a scale that would allow an average designation.

If Labored = 1 point, Developing = 2 points, Mostly Fluent = 3 points, and Fluent = 4 point overall.

In the chart to the right, the points represent how many

ways that total can be made. There are 12 ways to get a score of 7, for example: 1 + 2 + 4, or 2 + 2 + 3, or 3 + 1 + 3

I divided the totals in what seemed like the most equitable way. Thinking realistically, there should be fewer students at the Labored and Fluent ends than in the middle.

Let's see if it works: One student is scored as follows.

	Labored	Developing	Mostly Fluent	Fluent
Phrasing	1 point			
Prosody		2 points		
Pace		2 points		

For a total of **5 points**, of **Labored** overall. Yes, that works.

Poir 3 5 5 5 5 5

Labo

How about:

	Labored	Developing	Mostly Fluent	Fluent
Phrasing			3 points	
Prosody		2 points		
Pace				4 points

For a total of **9 points**, of **Mostly Fluent** overall. Looks good to me.

If you scored all one category, your total is solidly within my made-up ranges, which is great.

Labored + Labored + Labored =

3 points, or Labored overall

Developing + Developing + Developing = 6 points, or Developing overall

Mostly Fluent + Mostly Fluent + Mostly Fluent =9 points, or Mostly Fluent overal

Fluent + Fluent + Fluent =

12 points, or **Fluent** overall

http://www.timrasinski.com/presentations/multidimensional_fluency_r ubric_4_factors.pdf

าis:

4

Reads with volume and expression. However, sometimes the reader slips into expressionless reading and does not sound like they are talking to a friend.	Reads with varied volume and expression. The reader sounds like they are talking to a friend with their voice matching the interpretation of the passage.
Reads with a mixture of run-ons, mid sentence pauses for breath, and some choppiness. There is reasonable stress and intonation.	Reads with good phrasing; adhering to punctuation, stress and intonation.
Reads with occasional breaks in rhythm. The reader has difficulty with specific words and/or sentence structures.	Reads smoothly with some breaks, but self-corrects with difficult words and/ or sentence structures.
Reads generally at an appropriate rate throughout reading.	Reads at an appropriate conversational pace throughout the reading.

semble the format above):

Mostly Fluent	Fluent
May stumble occasionally over words	Good expression and engagement with text
May read too fast and/or too slow without regard to textual signals	Observation of functional text signals and meaningful expression
Generally appropriate expression and rate	Smooth, appropriate pace for the text

nber of categories, or wording.

Pace (MDFS) Pace (CKLA)

Reads slowly and laboriously.	Very slow and laborious
Reads moderately slowly.	Still hesitant and not fluid: verv choppy

	,, ₋ ,
Reads generally at an appropriate rate throughout reading.	Generally appropriate expression and rate
Reads at an appropriate conversational pace throughout the reading.	Smooth, appropriate pace for the text

th expression – with the appropriate rhythm, tone, pitch, pauses, ombine these two categories into one:

Smoothness (MDFS)

Frequently hesitates while reading, sounds out words, and repeats words or phrases. The reader makes **multiple attempts** to read the same passage.

Reads with extended pauses or hesitations. The reader has many "rough spots."

Reads with occasional breaks in rhythm. The reader has difficulty with specific words and/or sentence structures.

Reads smoothly with some breaks, but self-corrects with difficult words and/ or sentence structures.

eems to throw content from one category into others:

/, not Rate.

er Prosody, not Phrasing.

core breakdown is provided. Sometimes summarizing disparate rate scores mean collectively.

ge of scores in Phrasing, Prosody, and Pace to assign an overall

ts, on a 3-category rubric, your total will be between 3 and 12 points

ored	Improving	Mostly Fluent	Fluent
nts	Points	Points	Points
3	6	8	10
L	6	8	10
Ŀ	6	8	10
L .	6	8	10
5	6	8	10
j	6	8	10
5	6	8	11
i	6	8	11
i	6	8	11
i	6	8	12
	7	8	
	7	8	
	7	9	
	7	9	
	7	9	
	7	9	
	7	9	
	7	9	
	7	9	
	7	9	
	7	9	
	7	9	