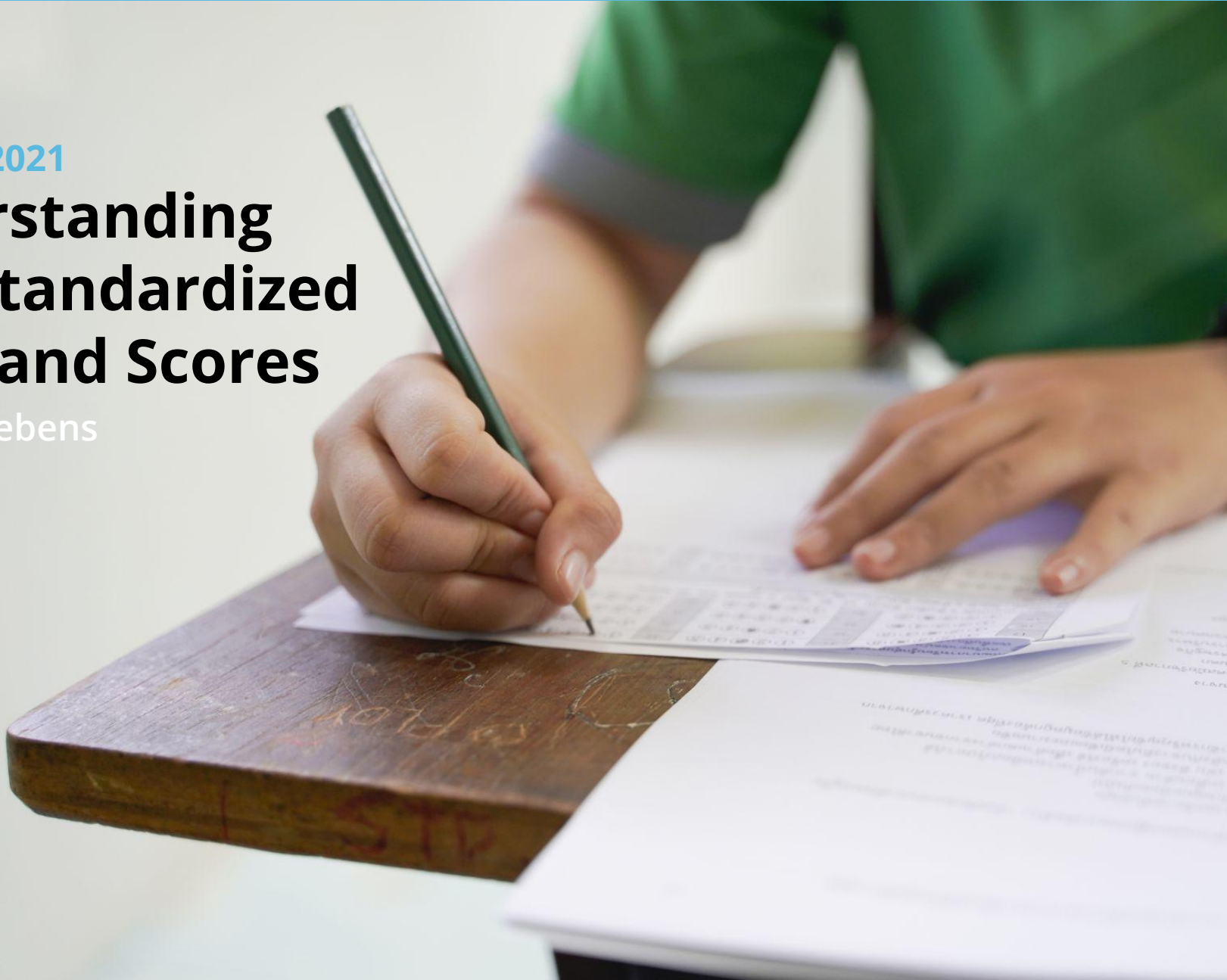**MAY 18, 2021**

Understanding EMS Standardized Tests and Scores

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About Meghan

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2020-2021 Grade: 7

Kaufman Test of Educational Achievement
EMS 10/2020 Ver: III Form: B

	Raw	Percentile	Standard	Stanine	Grade Equ.
Letter & Word Recognition	71	39	96		6.5
Nonsense Word Decoding	29	37	95		5.7

Gray Oral Reading Test
EMS 10/2020 Ver: 5 Form: A

	Raw	Percentile	Standard	Stanine	Grade Equ.
Rate	24	9	6		3.0
Accuracy	30	25	8		4.2
Fluency	54	16	7		3.4
Comprehension	27	16	7		3.4

Group Reading Assessment and Diagnostic Evaluation
EMS 10/2020 Level: M Norm: 7 Form: B

	Raw	Percentile	Standard	Stanine	Grade Equ.
Vocabulary	23	75	111	7	9.9
Sentence Comprehension	15			5	
Passage Comprehension	16			4	
Comprehension Composite	31	45	99	5	6.6
Total Reading	54	58	103	5	7.8
Listening Comprehension	13			5	

Kaufman Test of Educational Achievement
EMS 10/2020 Ver: III Form: B

	Raw	Percentile	Standard	Stanine	Grade Equ.
Spelling	39	8	79		3.9

Basic Achievement Skills Inventory
EMS 10/2020 Level: 3 Form: A Norm: 7

	Raw	Percentile	Standard	Stanine	Grade Equ.
Math Computation (Timed)	8	22	88		3.9
Math Computation (Untimed)	9				
Math Application (Timed)	13	27	91		4.9
Math Application (Untimed)	15				

2018-2019 Grade: 5

EMS
09/2019 Ver: III Form: A Norm: Age

	Raw	Percentile	Standard	Stanine	Grade Equ.
Rec	48	3	71		2.4
Dec	15	12	82		2.2

EMS
05/2019 Ver: 5 Form: B

	Raw	Percentile	Standard	Stanine	Grade Equ.
Rate	14	2	4		1.7
Acc	13	2	4		1.4
Flu	27	2	4		1.7

EMS
03/2019 Level: 5 Norm: 5 Form: A

	Raw	Percentile	Standard	Stanine	Grade Equ.
Vocab	14	29	92	4	4.6
SentC	7			3	
PassC	14			4	
CC	21	17	86	3	3.2
TotR	35	21	88	3	3.8
List	16			6	

EMS
05/2019 Ver: III Form: B Norm: Age

	Raw	Percentile	Standard	Stanine	Grade Equ.
Spell	26	1	67		1.10

EMS
05/2019 Level: 2 Form: B Norm: 5

	Raw	Percentile	Standard	Stanine	Grade Equ.
CompT	10	21	88		3.0
CompU	14				
ApptT	18	61	104		6.6
ApptU	18				

2017-2018 Grade:

Admissions
02/2018 Ver: 5 Form: A

	Raw	Percentile	Standard	Stanine	Grade Equ.
Rate	12	2	4		1.4
Acc	5	<1	2		<1.0
Flu	17	1	3		1.0

EMS
09/2018 Level: 5 Norm: 5 Form: B

	Raw	Percentile	Standard	Stanine	Grade Equ.
Vocab	11	22	89	4	4.0
SentC	2			1	
PassC	13			4	
CC	15	9	80	2	2.5
TotR	26	13	83	3	2.9
List	16			7	

EMS
10/2018 Ver: III Form: A Norm: Age

	Raw	Percentile	Standard	Stanine	Grade Equ.
Spell	29	4	73		2.0

EMS
09/2018 Level: 2 Form: A Norm: 5

	Raw	Percentile	Standard	Stanine	Grade Equ.
CompT	11	42	97		4.8
CompU	11				
ApptT	10	31	93		4.0
ApptU	10				

Types of Scores

→ Raw Score

→ Percentile

→ Standard Score

→ Stanine

→ Grade Equivalent

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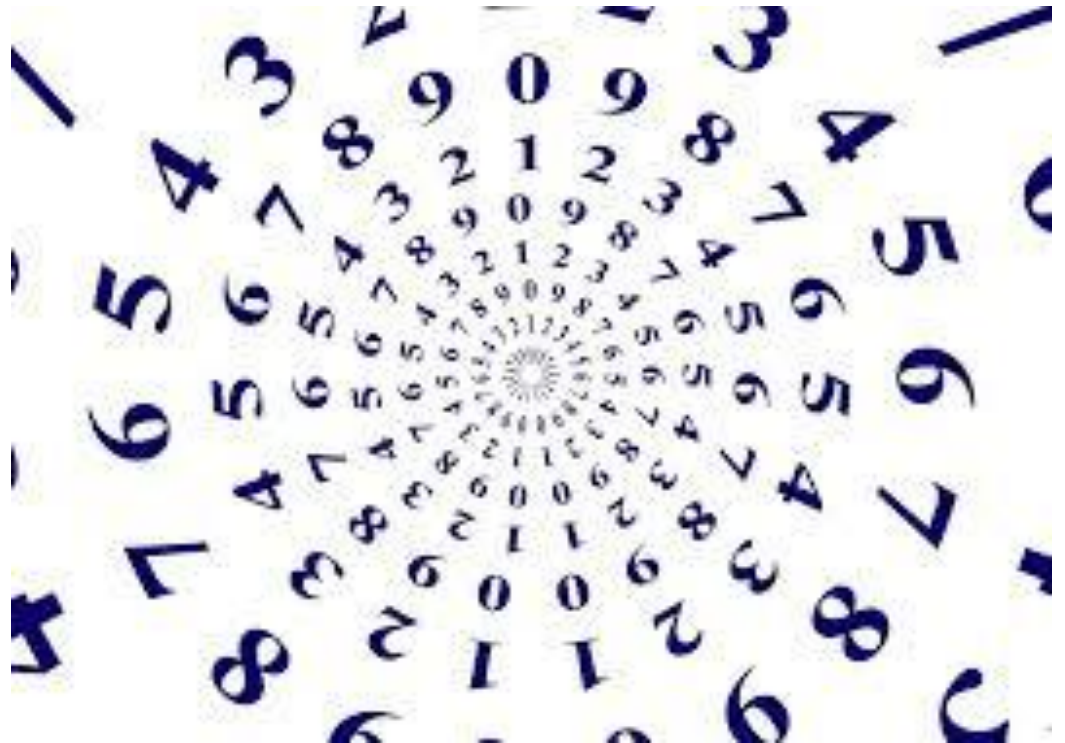
Raw Score

The **Raw Score** reflects the number of points earned on a given subtest. Raw scores are the total number of correct items within a subtest.

Composite scores add two different subtest raw scores to come up with a combined score.

	Raw Score Scaled (Stan)	Percentile	Standard Score	Stanine	Grade Equivalent
Group Reading Assessment and Diagnostic Evaluation 09/2016 Level: 6 Norm: 6 Form: A					
Vocabulary	8	8	80	2	3.9
Sentence Comprehension	10			4	
Passage Comprehension	11			3	
Comprehension Composite	21	17	86	3	3.4
Total Reading	29	12	82	3	3.2
Listening Comprehension	16			7	

Percentile

The **Percentile Score** indicates the student's performance on a given test relative to other children the same age on whom the test was normed. A score in the 16%ile or lower is below average, while a score in the 84%ile or higher is above average. As an example, a score in the 50%ile, in the middle of the average range, indicates that the student has scored equal to or higher than half of the normed sample for the test, and lower than the other half.

	Raw Score Scaled (Stan)	Percentile	Standard Score	Stanine	Grade Equivalent
EMS 11/2012	Ver: 5	Form: A			
Rate	25	16	7		3.0
Acc	19	9	6		2.2
Flu	44	9	6		2.4

Standard Score

Standard Scores (SS) compare the student's performance with that of other children at the same age or grade level. For reference, standard scores of 85-115 fall within normal range. Standard scores of 84 or lower fall below normal range and scores of 116 or higher are above normal range. On the GORT-5, Standard scores (scaled scores) range from 1-20, with scores between 8-12 falling within the average range.

	Raw Score Scaled (Stan)	Percentile	Standard Score	Stanine	Grade Equivalent
EMS 05/2015		Ver: III Form: A			
WI	29	27	91		4.8
WA	18	37	95		5.0

	Raw Score Scaled (Stan)	Percentile	Standard Score	Stanine	Grade Equivalent
EMS 05/2015		Ver: 5	Form: B		
Rate	20	5	5		2.4
Acc	19	9	6		2.2
Flu	39	5	5		2.2

The Bell Curve:

Shows the "average range"
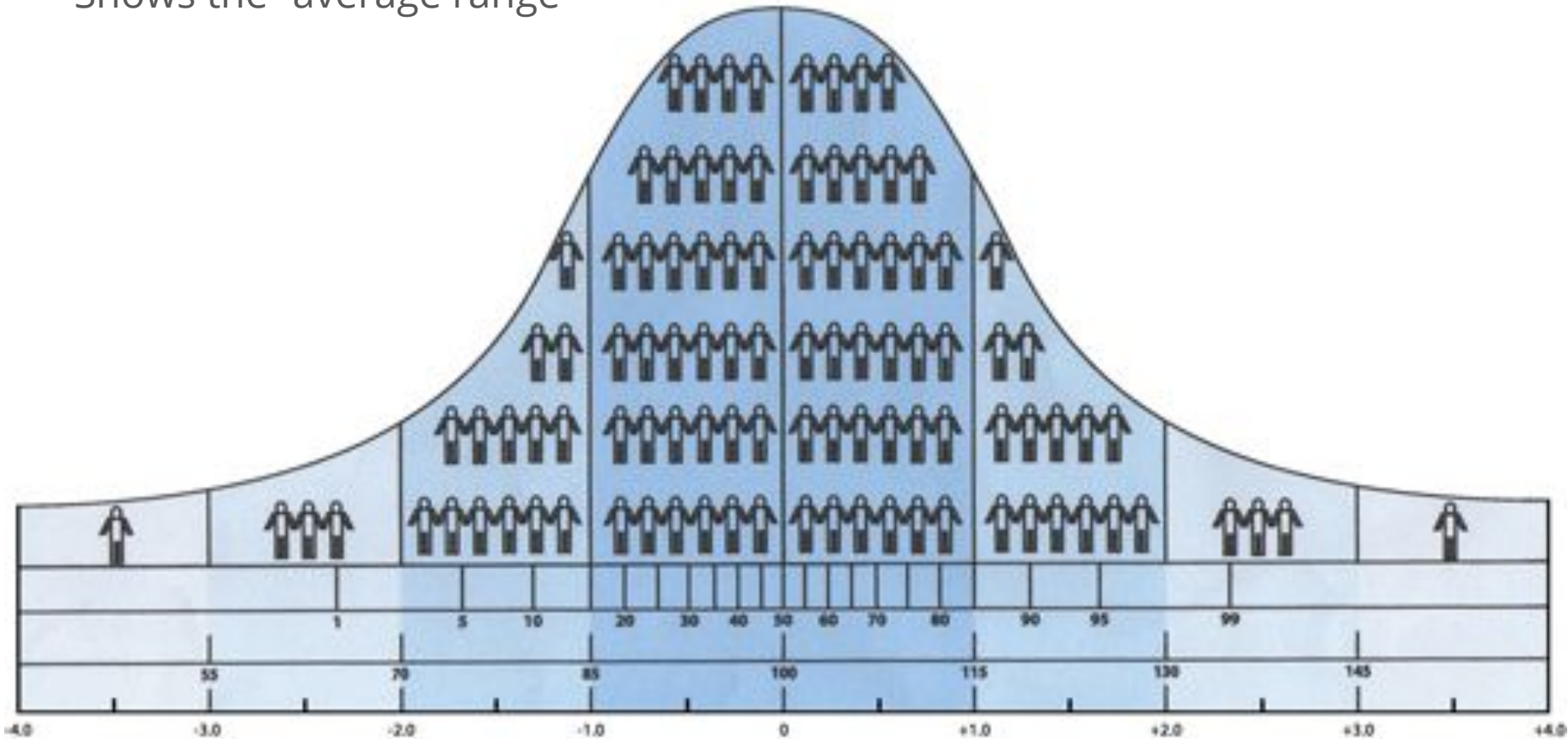
Stanine

Stanine Scores reflect the student's performance compared with that of students in the age or grade range on which the given test was normed. For reference, a stanine of seven, eight, or nine is above average, a stanine of four, five, or six is average, and a stanine of one, two, or three is below average. Stanines are particularly useful for comparing or profiling a student's scores across subtests.

Group Reading Assessment and Diagnostic Evaluation
09/2016   Level: 6   Norm: 6   Form: A

	Raw Score Scaled (Stan)	Percentile	Standard Score	Stanine	Grade Equivalent
Vocabulary	8	8	80	2	3.9
Sentence Comprehension	10			4	
Passage Comprehension	11			3	
Comprehension Composite	21	17	86	3	3.4
Total Reading	29	12	82	3	3.2
Listening Comprehension	16			7	

Grade Equivalent

The **Grade Equivalent (GE)** score reflects the approximate grade level at which the student is performing in a given skill compared to the typical performance of students tested. A GE of 3.9 indicates that the student's raw score for the test was the same as the average raw score for the group of students in the nintth month of third grade on whom the test was normed.

	Raw	Percentile	Standard	Stanine	Grade Equ.

Kaufman Test of Educational Achievement
EMS   10/2020   Ver: III   Form: B

	Raw	Percentile	Standard	Stanine	Grade Equ.
Spelling	39	8	79		3.9

Grade Equivalent Increases while Percentile Decreases

	2020-2021 Grade: 7							2019-2020 Grade: 6				
	Raw	Percentile	Standard	Stanine	Grade Equ.			Raw	Percentile	Standard	Stanine	Grade Equ.
Kaufman Test of Educational Achievement EMS 10/2020 Ver: III Form: A							EMS 09/2019 Ver: III Form: B Norm: Age					
Letter & Word Recognition	66	25	90		5.4		Rec	63	27	91		4.7

Grade Equivalent Stays the Same while Percentile Decreases

Gray Oral Reading Test - 4	2013-2014 Grade: 8 Raw Score Scaled (Stan)	Percentile	Standard Score	Stanine	Grade Equivalent		2012-2013 Grade: 7 Raw Score Scaled (Stan)	Percentile	Standard Score	Stanine	Grade Equivalent
05/2014 Form: A						05/2013 Form: B					
Rate	36	25	8		5.4	Rate	36	25	8		5.2
Accuracy	28	9	6		3.7	Acc	28	16	7		3.7

Grade Equivalent Increases
while Percentile Stays the Same

2013-2014 Grade: 8	Raw Score Scaled (Stan)	Percentile	Standard Score	Stanine	Grade Equivalent
05/2014 — Form: B					
Rate	39	25	8		6.0
Acc	51	63	11		10.4
Flu	90	37	9		8.0

2012-2013 Grade: 7	Raw Score Scaled (Stan)	Percentile	Standard Score	Stanine	Grade Equivalent
05/2013 — Form: A					
Rate	38	25	8		6.0
Acc	41	50	10		7.0
Flu	79	37	9		6.7

Kaufman Test of Educational Achievement – 3rd Edition (KTEA-3)

Kaufman Test of Educational Achievement
EMS   10/2020   Ver: III Form: A

	Raw	Percentile	Standard	Stanine	Grade Equ.
Letter & Word Recognition	66	19	87		5.4
Nonsense Word Decoding	26	23	89		4.6

The **KTEA-3** has alternate forms, A and B. Raw scores, percentiles, standard scores, and grade equivalents are provided in both forms.

KTEA-3 – Letter & Word Recognition

The **Letter & Word Recognition** subtest assesses the student's ability to read isolated real words. Word recognition ability is a strong predictor of overall reading ability.

	Raw	Percentile	Standard	Stanine	Grade Equ.
Kaufman Test of Educational Achievement EMS 10/2020 Ver: III Form: A					
→ Letter & Word Recognition	66	19	87		5.4
Nonsense Word Decoding	26	23	89		4.6

KTEA-3 – Nonsense Word Decoding

The **Nonsense Word Decoding** subtest assesses the student's word-level phonetic decoding skills. The subtest is comprised of 52 nonsense words or words with a very low frequency of occurrence in the English language. The test measures a student's ability to apply phonic and structural analysis skills.

	Raw	Percentile	Standard	Stanine	Grade Equ.
Kaufman Test of Educational Achievement EMS 10/2020 Ver: III Form: A					
Letter & Word Recognition	66	19	87		5.4
→ Nonsense Word Decoding	26	23	89		4.6

Stronger NWD / Weaker LWR

Kaufman Test of Educational Achievement
EMS   10/2020   Ver: III   Form: A

	Raw	Percentile	Standard	Stanine	Grade Equ.
Letter & Word Recognition	61	14	84		4.3
Nonsense Word Decoding	32	45	98		6.3

Gray Oral Reading Test, Fifth Edition (GORT-5)

Gray Oral Reading Test
EMS 10/2020 Ver: 5 Form: B

	Raw	Percentile	Standard	Stanine	Grade Equ.
Rate	19	5	5		2.2
Accuracy	22	16	7		2.7
Fluency	41	9	6		2.4
Comprehension	30	25	8		3.7

The GORT-5 has alternate forms, A and B, and consists of sixteen graded passages of increasing length and complexity. The test is used to measure a student's skills in reading textual material. The student is required to read selections aloud as quickly and as accurately as possible. The GORT-5 provides raw scores, percentiles, standard scores, and grade equivalents for Rate, Accuracy, Fluency (reflects both rate and accuracy), and Comprehension.

Stronger Rate / Weaker Accuracy

Gray Oral Reading Test
EMS 09/2020 Ver: 5 Form: A

	Raw	Percentile	Standard	Stanine	Grade Equ.
Rate	28	37	9		3.7
Accuracy	16	5	5		1.7
Fluency	44	16	7		2.4
Comprehension	28	25	8		4.0

Stronger KTEA / Weaker GORT

	Raw	Percentile	Standard	Stanine	Grade Equ.
Kaufman Test of Educational Achievement EMS 10/2020 Ver: III Form: A					
Letter & Word Recognition	58	23	89		3.8
Nonsense Word Decoding	26	42	97		4.6
Gray Oral Reading Test EMS 10/2020 Ver: 5 Form: A					
Rate	21	9	6		2.4
Accuracy	12	2	4		1.2
Fluency	33	5	5		1.7
Comprehension	29	25	8		4.0

KTEA-3 - Spelling Subtest

The KTEA-3 Spelling Test assesses the student's ability to spell isolated real words that are organized in order of difficulty. This is a dictated test, and requires the students to write out the words (in contrast to standardized multiple choice spelling tests). The KTEA-3 provides raw scores, percentiles, standard scores, and grade equivalents.

	Raw Score Scaled (Stan)	Percentile	Standard Score	Stanine	Grade Equivalent
Kaufman Test of Educational Achievement EMS 05/2017 Ver: III					
Spelling	40	10	81		3.5

Group Reading Assessment and Diagnostic Evaluation (GRADE)

The GRADE has alternate forms, A and B. Raw scores, percentiles, standard scores, stanines, and grade equivalents are provided in both forms (depending on subtest).

Students take the test appropriate to their grade level (2, 3, 4, 5, 6, and M).

(M assesses both 7th and 8th graders)

Each level is comprised of subtests measuring language skills. Subtests vary from level to level.

Group Reading Assessment and Diagnostic Evaluation
09/2016   Level: 6   Norm: 6   Form: A

	Raw Score Scaled (Stan)	Percentile	Standard Score	Stanine	Grade Equivalent
Vocabulary	8	8	80	2	3.9
Sentence Comprehension	10			4	
Passage Comprehension	11			3	
Comprehension Composite	21	17	86	3	3.4
Total Reading	29	12	82	3	3.2
Listening Comprehension	16			7	

GRADE: Vocabulary

Students have to decode a given word and select a synonym. Target words are presented within short phrases that provide no contextual support for the meaning of the word. Varied parts of speech are used.

(2nd and 3rd grade students take a combination of Word Reading and Word Meaning or Vocabulary to find a Vocabulary Composite)

Group Reading Assessment and Diagnostic Evaluation
09/2016   Level: 6   Norm: 6   Form: A

	Raw Score Scaled (Stan)	Percentile	Standard Score	Stanine	Grade Equivalent
Vocabulary	8	8	80	2	3.9
Sentence Comprehension	10			4	
Passage Comprehension	11			3	
Comprehension Composite	21	17	86	3	3.4
Total Reading	29	12	82	3	3.2
Listening Comprehension	16			7	

GRADE:
Sentence Comprehension

Students have to choose a word from five choices to replace a missing word. They are required to use the appropriate part of speech (i.e., noun, verb, adjective, adverb, or preposition), and sentences vary between simple, compound, and complex sentences. Syntax ranges from simple to complicated structures.

Group Reading Assessment and Diagnostic Evaluation
09/2016   Level: 6   Norm: 6   Form: A

	Raw Score Scaled (Stan)	Percentile	Standard Score	Stanine	Grade Equivalent
Vocabulary	8	8	80	2	3.9
Sentence Comprehension	10			4	
Passage Comprehension	11			3	
Comprehension Composite	21	17	86	3	3.4
Total Reading	29	12	82	3	3.2
Listening Comprehension	16			7	

GRADE:
Passage Comprehension

Students read passages of one or more paragraphs and answer multiple-choice questions pertaining to the passage. A variety of materials is provided (e.g., fiction, non-fiction, letters) that require students to answer questions that determine main idea, theme, plot, characters, and make inferences.

Group Reading Assessment and Diagnostic Evaluation
09/2016   Level: 6   Norm: 6   Form: A

	Raw Score Scaled (Stan)	Percentile	Standard Score	Stanine	Grade Equivalent
Vocabulary	8	8	80	2	3.9
Sentence Comprehension	10			4	
Passage Comprehension	11			3	
Comprehension Composite	21	17	86	3	3.4
Total Reading	29	12	82	3	3.2
Listening Comprehension	16			7	

GRADE:
Listening Comprehension

Students listen to material presented orally (one to three sentences) and identify each corresponding picture. Items test vocabulary, grammar, idioms, inferences, and nonliteral comprehension.

Group Reading Assessment and Diagnostic Evaluation
09/2016   Level: 6   Norm: 6   Form: A

	Raw Score Scaled (Stan)	Percentile	Standard Score	Stanine	Grade Equivalent
Vocabulary	8	8	80	2	3.9
Sentence Comprehension	10			4	
Passage Comprehension	11			3	
Comprehension Composite	21	17	86	3	3.4
Total Reading	29	12	82	3	3.2
Listening Comprehension	16			7	

Stronger Comprehension/ Weaker Vocabulary

	Raw Score Scaled (Stan)	Percentile	Standard Score	Stanine	Grade Equivalen
Group Reading Assessment and Diagnostic Evaluation 09/2016 Level: 6 Norm: 6 Form: A					
Vocabulary	8	8	80	2	3.9
Sentence Comprehension	10			4	
Passage Comprehension	11			3	
Comprehension Composite	21	17	86	3	3.4
Total Reading	29	12	82	3	3.2
Listening Comprehension	16			7	

Stronger Sentence Comp/ Weaker Passage Comp

	Raw	Percentile	Standard	Stanine	Grade Equ.
Group Reading Assessment and Diagnostic Evaluation EMS 03/2021 Level: 6 Norm: 6 Form: A					
Vocabulary	17	44	98	5	6.4
Sentence Comprehension	12			4	
Passage Comprehension	6			1	
Comprehension Composite	18	10	81	3	3.0
Total Reading	35	18	87	3	4.1
Listening Comprehension	10			2	

Stronger Listening/Weaker Reading

Group Reading Assessment and Diagnostic Evaluation
09/2016   Level: 6   Norm: 6   Form: A

	Raw Score Scaled (Stan)	Percentile	Standard Score	Stanine	Grade Equivalent
Vocabulary	8	8	80	2	3.9
Sentence Comprehension	10			4	
Passage Comprehension	11			3	
Comprehension Composite	21	17	86	3	3.4
Total Reading	29	12	82	3	3.2
Listening Comprehension	16			7	

Basic Achievement Skills Inventory (BASI)

Basic Achievement Skills Inventory alternate forms, A (fall) and B (spring). Raw scores, percentiles, standard scores, and grade equivalents are provided in both forms.

Students take the test appropriate for their grade level (1, 2, or 3).

(There is no level for 2nd grade students)

Basic Achievement Skills Inventory
09/2016   Level: 2   Norm: 5-6   Form: A

	Raw Score aled (Stan)	Percentile	Standard Score	Stanine	Grade Equivalent
Math Computation (Timed)	14	34	94		5.8
Math Computation (Untimed)	18				
Math Application (Timed)	13	37	95		5.2
Math Application (Untimed)	20				

Basic Achievement Skills Inventory (BASI): Math Computation

Students solve given equations including the four basic arithmetic operations with whole numbers, fractions, and decimals. There is little interpretation that has to occur, but the student generally has to perform multiple steps to arrive at the answer.

Basic Achievement Skills Inventory
09/2016   Level: 2   Norm: 5-6   Form: A

	Raw Score Scaled (Stan)	Percentile	Standard Score	Stanine	Grade Equivalent
Math Computation (Timed)	14	34	94		5.8
Math Computation (Untimed)	18				
Math Application (Timed)	13	37	95		5.2
Math Application (Untimed)	20				

Basic Achievement Skills Inventory (BASI) Math Application

Students are given word problems where they have to decipher the appropriate math strategies to use before solving the problem.

Basic Achievement Skills Inventory
09/2016   Level: 2   Norm: 5-6   Form: A

	Raw Score Scaled (Stan)	Percentile	Standard Score	Stanine	Grade Equivalent
Math Computation (Timed)	14	34	94		5.8
Math Computation (Untimed)	18				
Math Application (Timed)	13	37	95		5.2
Math Application (Untimed)	20				

Stronger Untimed/Weaker Timed

	Raw Score Scaled (Stan)	Percentile	Standard Score	Stanine	Grade Equivalent
Basic Achievement Skills Inventory 09/2016 Level: 2 Norm: 5-6 Form: A					
Math Computation (Timed)	14	34	94		5.8
Math Computation (Untimed)	18				
Math Application (Timed)	4	2	68		<3.0
Math Application (Untimed)	20				

Stronger Computation/ Weaker Application

	Raw Score Scaled (Stan)	Percentile	Standard Score	Stanine	Grade Equivalent
Basic Achievement Skills Inventory 09/2016 Level: 2 Norm: 5-6 Form: A					
→ Math Computation (Timed)	14	34	94		5.8
Math Computation (Untimed)	18				
→ Math Application (Timed)	4	2	68		<3.0
Math Application (Untimed)	20				