Advancing School Leadership for Continuous Improvement

Disaggregating Georgia Milestones Data for Targeted Professional Learning, Planning and Instruction

Winter Instructional Leadership Conference
February 25, 2020

Wiley H. Dailey

Deputy Superintendent for Data Analysis and School Improvement

Dalton Public Schools

GaDOE
Georgia Department of Education

Session Norms

- Place electronics on silence/vibrate.

- Remain engaged in learning.

- Respectfully share opinions.

- Ask questions for clarification to avoid making assumptions.

Purpose/Goals

- Increase a Professional Learning Community's (PLC's) knowledge of the Georgia Milestones Assessment System (GMAS).

- Examine trend and performance data using 2 years of Georgia Milestones data.

- Celebrate accomplishments and areas of strength for a PLC.

- Identify 1 – 2 areas per grade level (content area) for targeted professional learning, planning and delivery of quality instruction.

Purpose/Goals

- Aligns to goals/objectives of the School Improvement Plan.

- Aligns to the Performance Measures and Performance Objectives of the Strategic Plan.

Testimonials

"The "data digs" have changed our lives! They meet regularly with our PLCs to review end of course data and real-time student data which empowers our teachers to provide more intentional teaching and student learning opportunities. Analyzing and understanding student data has impacted the planning and instructional delivery for our teachers, which has had a tremendous impact on student achievement."

Pam Massingale, Assistant Principal

Morris Innovative High School

Comprehensive Support and Improvement (CSI) School

Testimonials

"The data digs with my department (English) at Morris Innovative High School have been particularly eye-opening and extremely impactful for me. I saw a glimmer of hope for how I could better help these children. Instead of approaching the data digs from the perspective of what everyone is not doing well, we approached them by first looking at what students were doing right and how they were making some gains."

"Mr. Dailey led us through breaking down all of the scores and reporting while explaining which areas we could approach as our initial plan, including things as simple as talking to students about attempting every single question on the test and not leaving any blank answers. We have focused on just a few things with higher impact for students first. Doing this helped me to understand that even the smallest shifts in student thinking and approach to their learning and curriculum could help them (and our school) experience significant measurable successes over time…."

Diana Gibson, Literacy Coach at Morris Innovative High School

Comprehensive Support and Improvement (CSI) School

Clarification

- The purpose of this data disaggregation is not to "teach to the test" but to be intentional with our instruction.

- Georgia Milestones results are only one piece of the puzzle.

Details

- These data digs are completed with PLCs in grades 3 through high school.

- Teachers, in each PLC, identify areas of strength and areas of focus based on Georgia Milestones' trend and performance (when applicable) data.

- Grade levels/content areas share their charted results with entire faculties.

Details, continued

- Based on areas of focus…

- Special areas, CTAE, ESS, EIP, ESOL/ELL, Gifted/Challenge, counselors, all staff share how they will target areas of focus.

- School level coaches, PLCs, grade/department chairs work in concert with district content specialists/coaches to provide PL to address areas of focus.

GMAS Achievement Levels

- **Beginning Learners do not yet demonstrate proficiency** in the knowledge and skills necessary at this grade level/course of learning, as specified in Georgia's content standards. The students *need substantial academic support* to be prepared for the next grade level or course and to be on track for college and career readiness.

- **Developing Learners demonstrate partial proficiency** in the knowledge and skills necessary at this grade level/course of learning, as specified in Georgia's content standards. The students *need additional academic support* to ensure success in the next grade level or course and to be on track for college and career readiness.

- **Proficient Learners demonstrate proficiency** in the knowledge and skills necessary at this grade level/course of learning, as specified in Georgia's content standards. The students *are prepared* for the next grade level or course and are on track for college and career readiness.

- **Distinguished Learners demonstrate advanced proficiency** in the knowledge and skills necessary at this grade level/course of learning, as specified in Georgia's content standards. The students *are well prepared* for the next grade level or course and are well prepared for college and career readiness.

GMAS Achievement Levels

- https://www.gadoe.org/Curriculum-Instruction-and-Assessment/Assessment/Pages/achievement_levels.aspx

Scale Score Ranges (EOG)

		Achievement Levels			
		Achievement Level 1: Beginning Learner	**Achievement Level 2: Developing Learner**	**Achievement Level 3: Proficient Learner**	**Achievement Level 4: Distinguished Learner**
Content Area	**Grade Level**	**Scale Score**	**Scale Score**	**Scale Score**	**Scale Score**
ELA	Grade 3	180 to 474	475 to 524	525 to 580	581 to 830
	Grade 4	210 to 474	475 to 524	525 to 573	574 to 775
	Grade 5	210 to 474	475 to 524	525 to 586	587 to 760
	Grade 6	140 to 474	475 to 524	525 to 598	599 to 820
	Grade 7	165 to 474	475 to 524	525 to 591	592 to 785
	Grade 8	225 to 474	475 to 524	525 to 580	581 to 730
Mathematics	Grade 3	290 to 474	475 to 524	525 to 579	580 to 705
	Grade 4	270 to 474	475 to 524	525 to 584	585 to 715
	Grade 5	265 to 474	475 to 524	525 to 579	580 to 725
	Grade 6	285 to 474	475 to 524	525 to 579	580 to 700
	Grade 7	265 to 474	475 to 524	525 to 579	580 to 740
	Grade 8	275 to 474	475 to 524	525 to 578	579 to 755
Science	Grade 5	160 to 474	475 to 524	525 to 594	595 to 780
	Grade 8	165 to 474	475 to 524	525 to 592	593 to 785
Social Studies	Grade 5	290 to 474	475 to 524	525 to 554	555 to 665
	Grade 8	240 to 474	475 to 524	525 to 571	572 to 715

Scale Score Ranges (EOC)

	Level 1: Beginning Learner		Level 2: Developing Learner		Level 3: Proficient Learner		Level 4: Distinguished Learner	
	Scale Score	Grade Conversion Score	Scale Score	Grade Conversion Score	Scale Score	Grade Conversion Score	Scale Score	Grade Conversion Score
Ninth Grade Literature and Composition	220 to 474	0 to 67	475 to 524	68 to 79	525 to 586	80 to 91	587 to 735	92 to 100
American Literature and Composition	190 to 474	0 to 67	475 to 524	68 to 79	525 to 589	80 to 91	590 to 750	92 to 100
Coordinate Algebra	215 to 474	0 to 67	475 to 524	68 to 79	525 to 593	80 to 91	594 to 790	92 to 100
Analytic Geometry	185 to 474	0 to 67	475 to 524	68 to 79	525 to 595	80 to 91	596 to 810	92 to 100
Algebra I	200 to 474	0 to 67	475 to 524	68 to 79	525 to 593	80 to 91	594 to 785	92 to 100
Geometry	180 to 474	0 to 67	475 to 524	68 to 79	525 to 595	80 to 91	596 to 815	92 to 100
Biology	140 to 474	0 to 67	475 to 524	68 to 79	525 to 608	80 to 91	609 to 820	92 to 100
Physical Science	145 to 474	0 to 67	475 to 524	68 to 79	525 to 603	80 to 91	604 to 815	92 to 100
United States History	215 to 474	0 to 67	475 to 524	68 to 79	525 to 589	80 to 91	590 to 765	92 to 100
Economics/Business/Free Enterprise	140 to 474	0 to 67	475 to 524	68 to 79	525 to 609	80 to 91	610 to 830	92 to 100

Scale Score Ranges

- EOG (Page 9)
- https://www.gadoe.org/Curriculum-Instruction-and-Assessment/Assessment/Documents/Milestones/EOG-Resources/EOG_2019_Score_Interpretation_Guide.pdf

- EOC (Page 11)
- https://www.gadoe.org/Curriculum-Instruction-and-Assessment/Assessment/Documents/Milestones/EOC-Resources/EOC_Score_Interpretation_Guide_2019-20.pdf

Our time together……

- For the purpose of this mini data disaggregation, we will focus on a hypothetical 5th grade mathematics PLC.

- This same data dig has been completed in grades 3 through high school.

The chart below shows the approximate weights for each reporting category on the Georgia Milestones Assessment in grade 5. Each Georgia Milestones Assessment is aligned to the state-adopted content standards.

5th Grade Content Weights

GRADE 5		
Content Area	**Reporting Category**	**Approximate Percent of Test**
English Language Arts	Reading and Vocabulary	53%
	Writing and Language	47%
Mathematics	Operations and Algebraic Thinking	10%
	Number and Operations in Base 10	25%
	Number and Operations - Fractions	30%
	Measurement and Data	20%
	Geometry	15%
Science	Earth Science	23%
	Physical Science	35%
	Life Science	42%
Social Studies	History	58%
	Geography	12%
	Government/Civics	15%
	Economics	15%

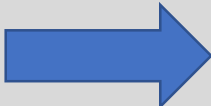**Georgia Milestones Content Weights**

4th Grade Content Weights

The chart below shows the approximate weights for each reporting category on the Georgia Milestones Assessment in grade 4. Each Georgia Milestones Assessment is aligned to the state-adopted content standards.

GRADE 4		
Content Area	**Reporting Category**	**Approximate Percent of Test**
English Language Arts	Reading and Vocabulary	53%
	Writing and Language	47%
Mathematics	Operations and Algebraic Thinking	20%
	Number and Operations in Base 10	20%
	Number and Operations - Fractions	30%
	Measurement and Data	20%
	Geometry	10%

Content Weights

- https://www.gadoe.org/Curriculum-Instruction-and-Assessment/Assessment/Documents/Milestones/Content%20Weights/ContentWeights_EOGCharts_August_2019.pdf

5th Grade Math Summary - 2019

GRADE: 5
SCHOOL: �█████ ELEMENTARY SCHOOL
SYSTEM: DALTON PUBLIC SCHOOLS
RESA: NORTHWEST GEORGIA
STATE: GA
CODE: 772-████

School Content Area Summary
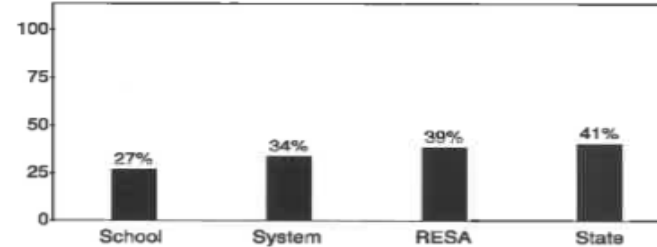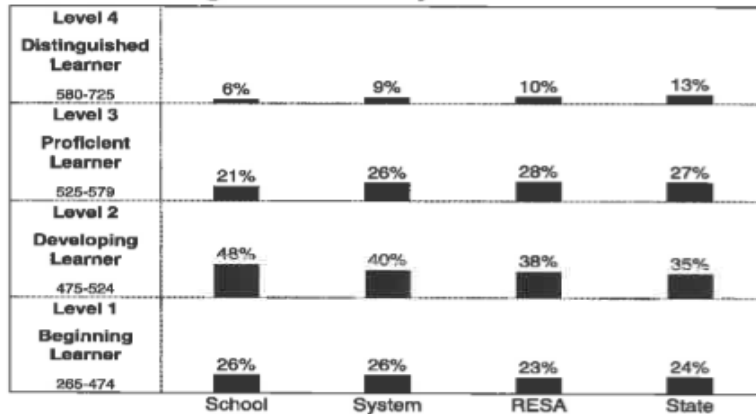Spring 2019 — End-of-Grade Assessment
Grade 5

Georgia Milestones
Assessment System

Mathematics

Overall Performance

Group	Number of Students	Mean Scale Score	Standard Deviation	Percentage Proficient (Levels 3 & 4)
School	82	502	43	27
System	599	510	52	34
RESA	9,478	515	51	39
State	136,458	517	57	41

Percentage of Students Proficient (Levels 3 & 4)

School	System	RESA	State
27%	34%	39%	41%

Percentage of Students by Achievement Level

Level	Range	School	System	RESA	State
Level 4 Distinguished Learner	580-725	6%	9%	10%	13%
Level 3 Proficient Learner	525-579	21%	26%	28%	27%
Level 2 Developing Learner	475-524	48%	40%	38%	35%
Level 1 Beginning Learner	265-474	26%	26%	23%	24%

Norm-Referenced Performance

	School	System	RESA	State
Median National Percentile	47	50	56	56
Mean Normal Curve Equivalent	50.3	51.7	53.2	53.2

Summary Data Exclusions for the School

Reason	Number of Students
Present, Test Not Attempted (PTNA)	0
Did Not Attempt (DNA)	0
Invalidation (IV)	0
Participation Invalidation (PIV)	0

■ Due to rounding, percentages may not total 100%.
■ To provide meaningful results and to protect the privacy of individual students, summary data are printed only when the total number of students in a group is at least 15.

Summary Sheets

- https://portal.doe.k12.ga.us/login.aspx?ssosrc=pro

Summary Sheets

5th Grade Math Summary - 2019

GRADE: 5
SCHOOL: ~~ELEMENTARY SCHOOL
SYSTEM: DALTON PUBLIC SCHOOLS
RESA: NORTHWEST GEORGIA
STATE: GA
CODE: 772-~~

School Content Area Summary
Spring 2019 — End-of-Grade Assessment
Grade 5

Georgia Milestones
Assessment System

Mathematics

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Percentage of Students Proficient (Levels 3 & 4)

| | School | System | RESA | State |
| 27% | 34% | 39% | 41% |

Percentage of Students by Achievement Level

Level 4 Distinguished Learner 580-725	6%	9%	10%	13%
Level 3 Proficient Learner 525-579	21%	26%	28%	27%
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5th Grade Math Summary - 2019

GRADE: 5
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SYSTEM: DALTON PUBLIC SCHOOLS
RESA: NORTHWEST GEORGIA
STATE: GA
CODE: 772-◼◼

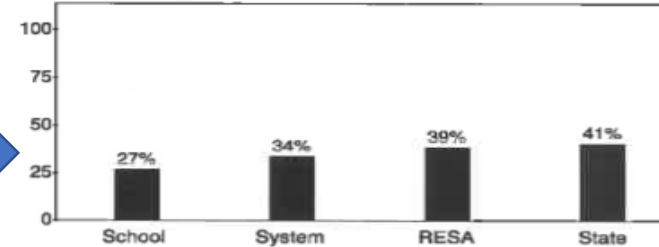## School Content Area Summary
Spring 2019 — End-of-Grade Assessment
Grade 5
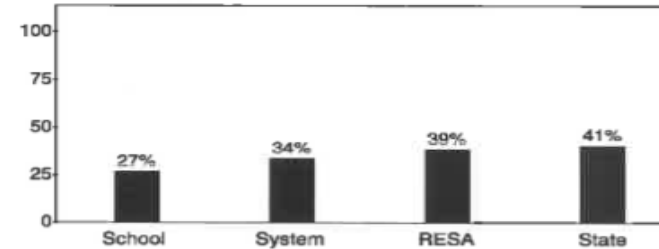
Georgia Milestones
Assessment System

Mathematics
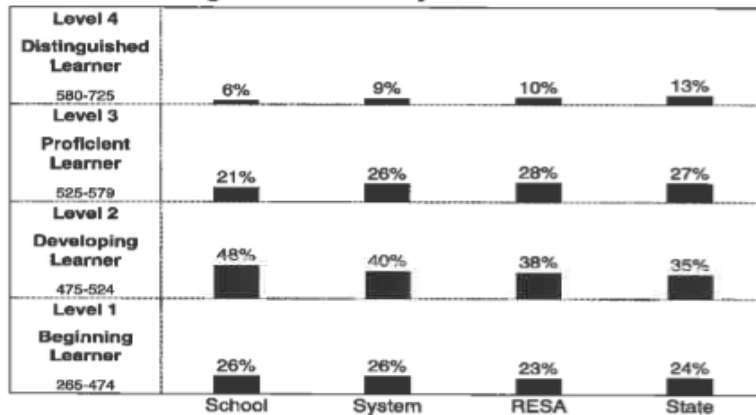
Overall Performance

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5th Grade Domain Summary

GRADE: 5
SCHOOL: ~~[REDACTED]~~ ELEMENTARY SCHOOL
SYSTEM: DALTON PUBLIC SCHOOLS
RESA: NORTHWEST GEORGIA
STATE: GA
CODE: 772-~~[REDACTED]~~

School Content Area Summary
Spring 2019 — End-of-Grade Assessment
Grade 5

Mathematics

Domain Performance
Percentage of Students in Each Mastery Category*

	Number of Students	Operations and Algebraic Thinking			Number and Operations in Base 10			Number and Operations - Fractions			Measurement and Data			Geometry		
		1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
School	82	57	24	18	56	33	11	77	16	7	62	23	15	71	24	5
System	599	58	24	18	53	30	16	65	17	18	59	22	19	62	31	8
RESA	9,478	57	23	20	50	30	20	59	19	22	59	24	18	60	31	9
State	136,458	57	22	21	50	28	22	57	17	26	57	23	21	59	30	11

*Domain Mastery:
1 = Remediate Learning
2 = Monitor Learning
3 = Accelerate Learning

5th Grade Domain Summary

GRADE: 5
SCHOOL: ▓▓▓▓ ELEMENTARY SCHOOL
SYSTEM: DALTON PUBLIC SCHOOLS
RESA: NORTHWEST GEORGIA
STATE: GA
CODE: 772-▓▓

School Content Area Summary
Spring 2019 — End-of-Grade Assessment
Grade 5

Georgia Milestones Assessment System

Mathematics

Domain Performance
Percentage of Students in Each Mastery Category*

	Number of Students	Operations and Algebraic Thinking			Number and Operations in Base 10			Number and Operations - Fractions			Measurement and Data			Geometry		
		1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
School	82	57	24	18	56	33	11	77	16	7	62	23	15	71	24	5
System	599	58	24	18	53	30	16	65	17	18	59	22	19	62	31	8
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School Content Area Summary
Spring 2019 — End-of-Grade Assessment
Grade

Mathematics

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		1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
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Domain Results for 2019

- Domain with the highest performance = Operations and Algebraic Thinking.
- 10% of the test.

- Domain with the lowest performance = Numbers and Operations – Fractions.
- 30% of the test.

- Examine 2 years of data for this PLC.

5ᵗʰ Grade Summary - 2018

GRADE: 5
SCHOOL: ████ ELEMENTARY SCHOOL
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RESA: NORTHWEST GEORGIA
STATE: GA
CODE: 772-██

School Content Area Summary
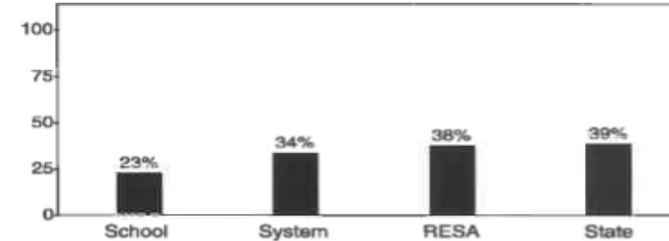Spring 2018 — End-of-Grade Assessment
Grade 5

Georgia Milestones
Assessment System

Mathematics

Overall Performance

Group	Number of Students	Mean Scale Score	Standard Deviation	Percentage Proficient (Levels 3 & 4)
School	83	505	42	23
System	579	511	50	34
RESA	9,651	514	49	38
State	137,102	515	54	39

Percentage of Students Proficient (Levels 3 & 4)

	School	System	RESA	State
	23%	34%	38%	39%

Percentage of Students by Achievement Level

	School	System	RESA	State
Level 4 Distinguished Learner 580-725	2%	8%	9%	12%
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Level 1 Beginning Learner 265-474	25%	26%	23%	25%

Norm-Referenced Performance

	School	System	RESA	State
Median National Percentile	49	50	55	55
Mean Normal Curve Equivalent	48.3	51.5	52.6	52.8

Summary Data Exclusions for the School

Reason	Number of Students
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Invalidation (IV)	0
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GaDOE
Georgia Department of Education

5th Grade Math Summary - 2019

School Content Area Summary
Spring 2019 — End-of-Grade Assessment
Grade 5

Georgia Milestones Assessment System
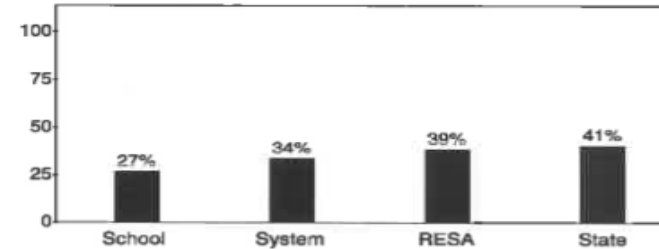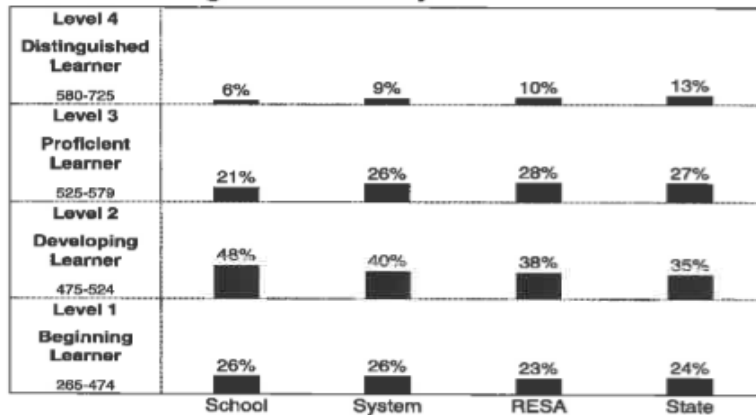
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5th Grade Summary - 2018

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SYSTEM: DALTON PUBLIC SCHOOLS
RESA: NORTHWEST GEORGIA
STATE: GA
CODE: 772-██

School Content Area Summary
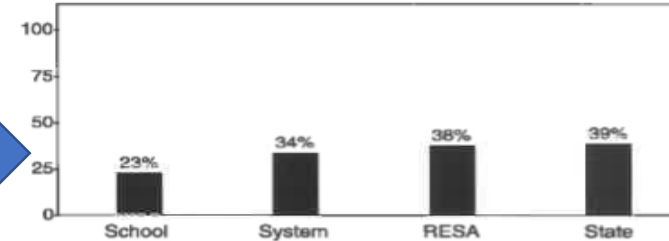Spring 2018 — End-of-Grade Assessment
Grade 5

Mathematics
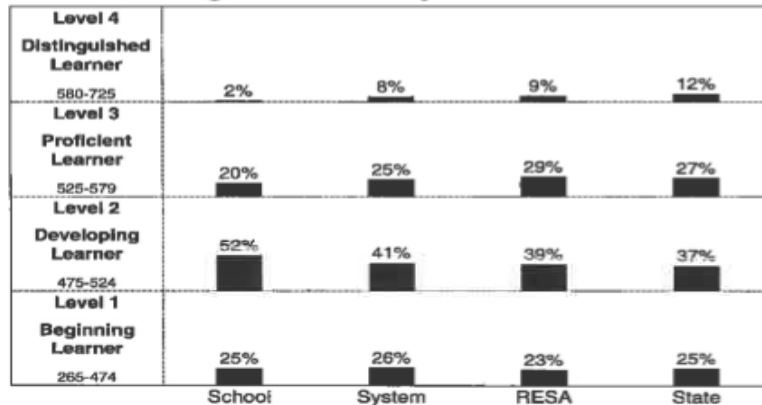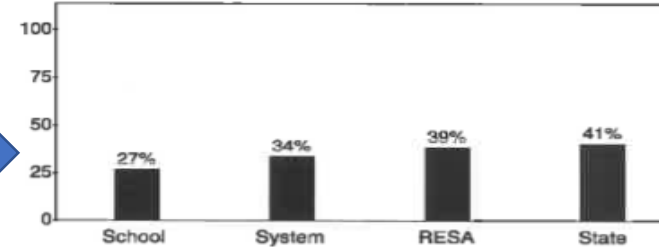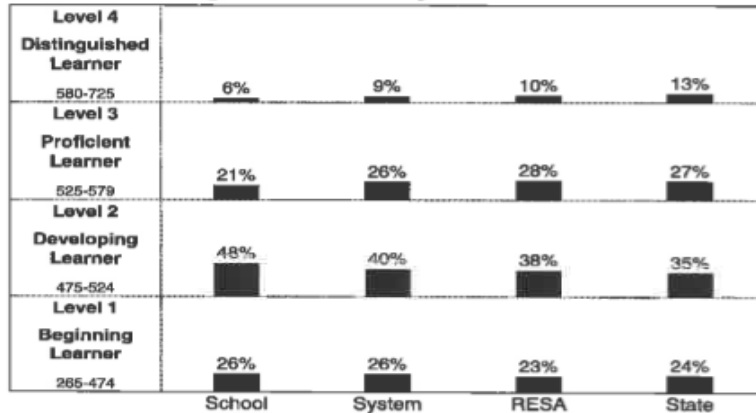
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5th Grade Math Summary - 2019

5ᵗʰ Grade Summary - 2018

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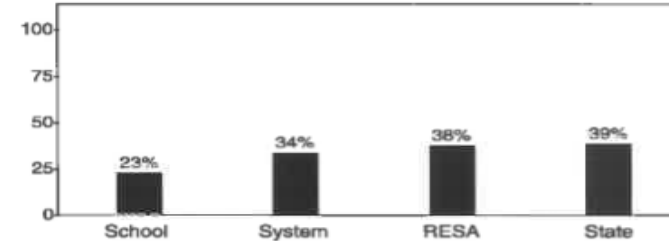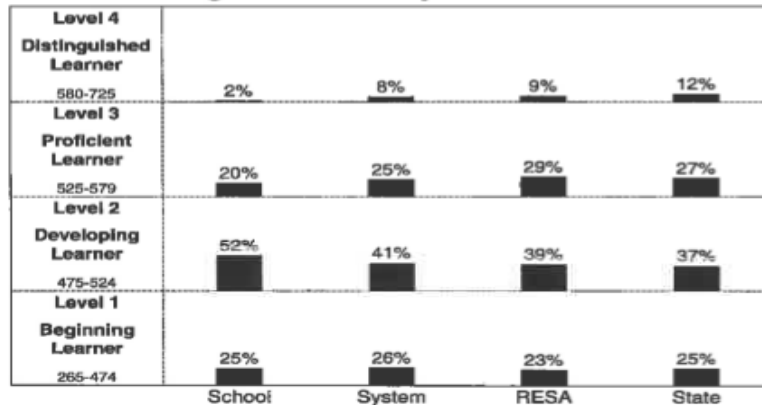Spring 2018 — End-of-Grade Assessment
Grade 5

Georgia **Milestones** Assessment System

Mathematics

Overall Performance

Group	Number of Students	Mean Scale Score	Standard Deviation	Percentage Proficient (Levels 3 & 4)
School	83	505	42	23
System	579	511	50	34
RESA	9,651	514	49	38
State	137,102	515	54	39

Percentage of Students Proficient (Levels 3 & 4)

	School	System	RESA	State
	23%	34%	38%	39%

Percentage of Students by Achievement Level

Achievement Level	School	System	RESA	State
Level 4 — Distinguished Learner (580-725)	2%	8%	9%	12%
Level 3 — Proficient Learner (525-579)	20%	25%	29%	27%
Level 2 — Developing Learner (475-524)	52%	41%	39%	37%
Level 1 — Beginning Learner (265-474)	25%	26%	23%	25%

Norm-Referenced Performance

	School	System	RESA	State
Median National Percentile	49	50	55	55
Mean Normal Curve Equivalent	48.3	51.5	52.6	52.8

Summary Data Exclusions for the School

Reason	Number of Students
Present, Test Not Attempted (PTNA)	0
Did Not Attempt (DNA)	0
Invalidation (IV)	0
Participation Invalidation (PIV)	0

• Due to rounding, percentages may not total 100%.

5th Grade Math Summary - 2019

GRADE: 5
SCHOOL: [redacted] ELEMENTARY SCHOOL
SYSTEM: DALTON PUBLIC SCHOOLS
RESA: NORTHWEST GEORGIA
STATE: GA
CODE: 772-[redacted]

School Content Area Summary
Spring 2019 — End-of-Grade Assessment
Grade 5

Georgia Milestones — Assessment System

Mathematics

Overall Performance

Group	Number of Students	Mean Scale Score	Standard Deviation	Percentage Proficient (Levels 3 & 4)
School	82	502	43	27
System	599	510	52	34
RESA	9,478	515	51	39
State	136,458	517	57	41

Percentage of Students Proficient (Levels 3 & 4)

School 27% | System 34% | RESA 39% | State 41%

Percentage of Students by Achievement Level

Achievement Level	School	System	RESA	State
Level 4 Distinguished Learner (580-725)	6%	9%	10%	13%
Level 3 Proficient Learner (525-579)	21%	26%	28%	27%
Level 2 Developing Learner (475-524)	48%	40%	38%	35%
Level 1 Beginning Learner (265-474)	26%	26%	23%	24%

Norm-Referenced Performance

	School	System	RESA	State
Median National Percentile	47	50	56	56
Mean Normal Curve Equivalent	50.3	51.7	53.2	53.2

Summary Data Exclusions for the School

Reason	Number of Students
Present, Test Not Attempted (PTNA)	0
Did Not Attempt (DNA)	0
Invalidation (IV)	0
Participation Invalidation (PIV)	0

• Due to rounding, percentages may not total 100%.
• To provide meaningful results and to protect the privacy of individual students, summary data are printed only when the total number of students in a group is at least 15.

5th Grade Domain Summary - 2018

GRADE: 5
SCHOOL: ⬛ELEMENTARY SCHOOL
SYSTEM: DALTON PUBLIC SCHOOLS
RESA: NORTHWEST GEORGIA
STATE: GA
CODE: 772-⬛

School Content Area Summary
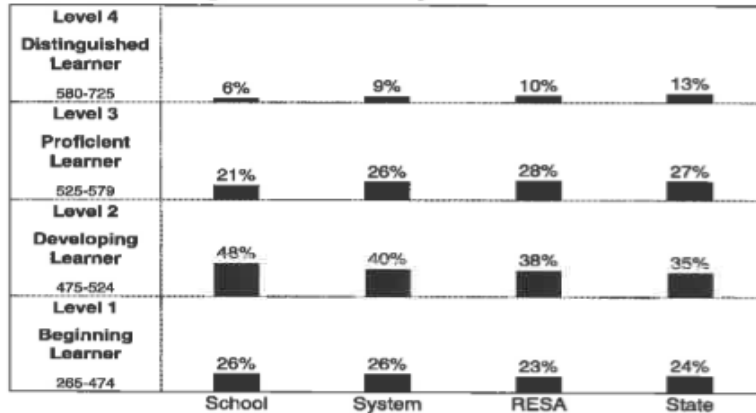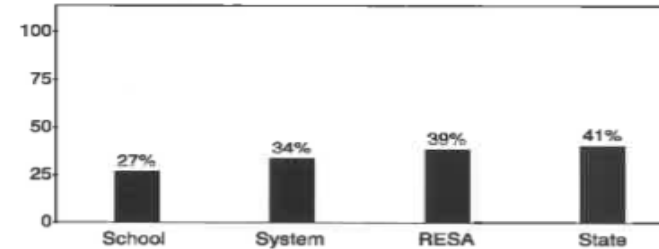Spring 2018 — End-of-Grade Assessment
Grade 5

Mathematics

Domain Performance
Percentage of Students in Each Mastery Category*

	Number of Students	Operations and Algebraic Thinking			Number and Operations in Base 10			Number and Operations - Fractions			Measurement and Data			Geometry		
		1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
School	83	64	17	19	63	29	8	71	16	13	53	33	14	63	31	6
System	579	56	19	25	61	22	17	62	16	22	52	28	20	56	32	11
RESA	9,651	54	20	25	53	27	20	58	21	21	50	31	19	53	34	12
State	137,102	55	20	25	54	26	21	58	19	23	51	28	21	50	34	15

*Domain Mastery:
1 = Remediate Learning
2 = Monitor Learning
3 = Accelerate Learning

5th Grade Domain Summary - 2018

GRADE: 5
SCHOOL: ELEMENTARY SCHOOL
SYSTEM: DALTON PUBLIC SCHOOLS
RESA: NORTHWEST GEORGIA
STATE: GA
CODE: 772-

School Content Area Summary

Spring 2018 — End-of-Grade Assessment
Grade 5

Mathematics

Georgia Milestones Assessment System

Domain Performance
Percentage of Students in Each Mastery Category*

	Number of Students	Operations and Algebraic Thinking			Number and Operations in Base 10			Number and Operations - Fractions			Measurement and Data			Geometry		
		1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
School	83	64	17	19	63	29	8	71	16	13	53	33	14	63	31	6
System	579	56	19	25	61	22	17	62	16	22	52	28	20	56	32	11
RESA	9,651	54	20	25	53	27	20	58	21	21	50	31	19	53	34	12
State	137,102	55	20	25	54	26	21	58	19	23	51	28	21	50	34	15

*Domain Mastery:
1 = Remediate Learning
2 = Monitor Learning
3 = Accelerate Learning

5th Grade Domain Summary - 2018

GRADE: 5
SCHOOL: ELEMENTARY SCHOOL
SYSTEM: DALTON PUBLIC SCHOOLS
RESA: NORTHWEST GEORGIA
STATE: GA
CODE: 772-

School Content Area Summary

Spring 2018 — End-of-Grade Assessment

Grade 5

Mathematics

Domain Performance
Percentage of Students in Each Mastery Category*

	Number of Students	Operations and Algebraic Thinking			Number and Operations in Base 10			Number and Operations - Fractions			Measurement and Data			Geometry		
		1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
School	83	64	17	19	63	29	8	71	16	13	53	33	14	63	31	6
System	579	56	19	25	61	22	17	62	16	22	52	28	20	56	32	11
RESA	9,651	54	20	25	53	27	20	58	21	21	50	31	19	53	34	12
State	137,102	55	20	25	54	26	21	58	19	23	51	28	21	50	34	15

*Domain Mastery:
1 = Remediate Learning
2 = Monitor Learning
3 = Accelerate Learning

5th Grade Domain Summary - 2019

GRADE: 5
SCHOOL: ██████ ELEMENTARY SCHOOL
SYSTEM: DALTON PUBLIC SCHOOLS
RESA: NORTHWEST GEORGIA
STATE: GA
CODE: 772-██

School Content Area Summary
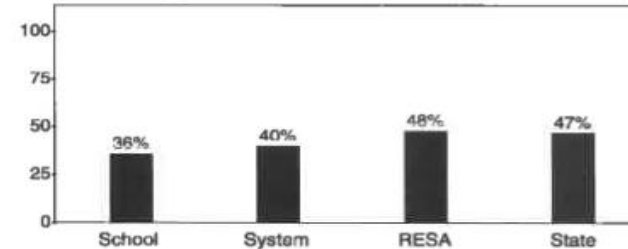Spring 2019 — End-of-Grade Assessment
Grade █

Mathematics

Domain Performance
Percentage of Students in Each Mastery Category*

	Number of Students	Operations and Algebraic Thinking			Number and Operations in Base 10			Number and Operations - Fractions			Measurement and Data			Geometry		
		1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
School	82	57	24	18	56	33	11	77	16	7	62	23	15	71	24	5
System	599	58	24	18	53	30	16	65	17	18	59	22	19	62	31	8
RESA	9,478	57	23	20	50	30	20	59	19	22	59	24	18	60	31	9
State	136,458	57	22	21	50	28	22	57	17	26	57	23	21	59	30	11

*Domain Mastery:
1 = Remediate Learning
2 = Monitor Learning
3 = Accelerate Learning

Domain Results for 2018

- Domain with the highest performance = Measurement and Data.
- 20% of the test (2nd highest – Operations and Algebraic Thinking)

- Lowest performing domain = Numbers and Operations – Fractions.
- 30% of the test

- Second lowest performing domain = Numbers and Operations in Base 10.
- 25% of the test

Performance Data

- We have examined 2 years of trend data.

- Apples to oranges comparison.

- Same Georgia Standards of Excellence (GSE) but different students.

- Examine cohort data.

- 2018 - 4th Grade Math

- 2019 - 5th Grade Math

4th Grade Summary - 2018

GRADE: 4
SCHOOL: ⬛ ELEMENTARY SCHOOL
SYSTEM: DALTON PUBLIC SCHOOLS
RESA: NORTHWEST GEORGIA
STATE: GA
CODE: 772-⬛

School Content Area Summary
Spring 2018 — End-of-Grade Assessment
Grade 4

Georgia Milestones Assessment System
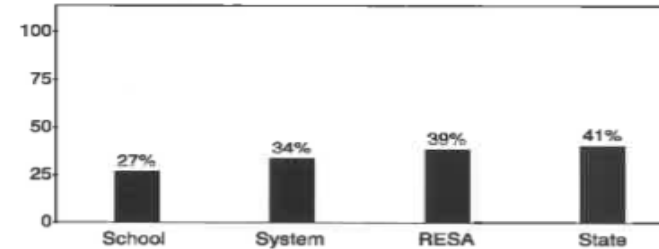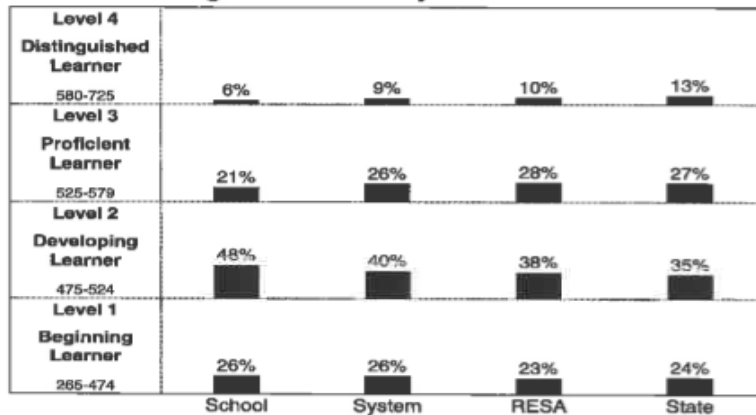
Mathematics

Overall Performance

Group	Number of Students	Mean Scale Score	Standard Deviation	Percentage Proficient (Levels 3 & 4)
School	80	513	45	36
System	577	517	47	40
RESA	9,307	525	46	48
State	136,134	525	50	47

Percentage of Students Proficient (Levels 3 & 4)

School 36% System 40% RESA 48% State 47%

Percentage of Students by Achievement Level

	School	System	RESA	State
Level 4 Distinguished Learner 585-715	6%	9%	11%	12%
Level 3 Proficient Learner 525-584	30%	31%	37%	35%
Level 2 Developing Learner 475-524	45%	41%	39%	37%
Level 1 Beginning Learner 270-474	19%	19%	13%	16%

Norm-Referenced Performance

	School	System	RESA	State
Median National Percentile	54	57	63	63
Mean Normal Curve Equivalent	50.0	52.4	55.0	55.0

Summary Data Exclusions for the School

Reason	Number of Students
Present, Test Not Attempted (PTNA)	0
Did Not Attempt (DNA)	0
Invalidation (IV)	0
Participation Invalidation (PIV)	0

*Due to rounding, percentages may not total 100%

5th Grade Math Summary - 2019

GRADE: 5
SCHOOL: ELEMENTARY SCHOOL
SYSTEM: DALTON PUBLIC SCHOOLS
RESA: NORTHWEST GEORGIA
STATE: GA
CODE: 772-

School Content Area Summary
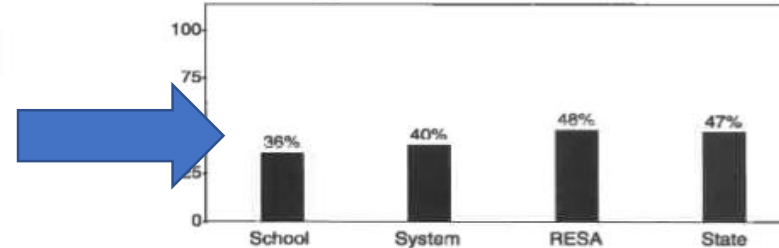### Spring 2019 — End-of-Grade Assessment
Grade 5

Georgia Milestones Assessment System

Mathematics

Overall Performance

Group	Number of Students	Mean Scale Score	Standard Deviation	Percentage Proficient (Levels 3 & 4)
School	82	502	43	27
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RESA	9,478	515	51	39
State	136,458	517	57	41

Percentage of Students Proficient (Levels 3 & 4)

School 27%, System 34%, RESA 39%, State 41%

Percentage of Students by Achievement Level

Level	School	System	RESA	State
Level 4 Distinguished Learner (580-725)	6%	9%	10%	13%
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	School	System	RESA	State
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Richard Woods, Georgia's School Superintendent | Georgia Department of Education | *Educating Georgia's Future*

4ᵗʰ Grade Summary - 2018

GRADE: 4
SCHOOL: ⬛ ELEMENTARY SCHOOL
SYSTEM: DALTON PUBLIC SCHOOLS
RESA: NORTHWEST GEORGIA
STATE: GA
CODE: 772-⬛

School Content Area Summary
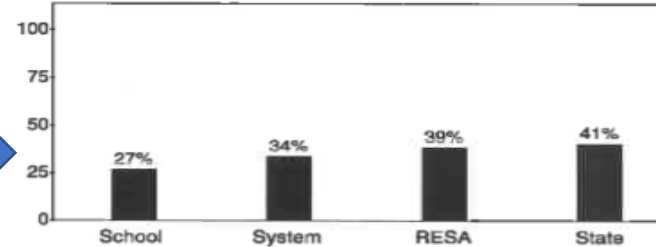
Spring 2018 — End-of-Grade Assessment

Grade 4

Georgia Milestones
Assessment System

Mathematics

Overall Performance

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	School	System	RESA	State

Norm-Referenced Performance

	School	System	RESA	State
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Mean Normal Curve Equivalent	50.0	52.4	55.0	55.0

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Present, Test Not Attempted (PTNA)	0
Did Not Attempt (DNA)	0
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Participation Invalidation (PIV)	0

• Due to rounding, percentages may not total 100%.

5ᵗʰ Grade Math Summary - 2019

GRADE: 5
SCHOOL: ██████ ELEMENTARY SCHOOL
SYSTEM: DALTON PUBLIC SCHOOLS
RESA: NORTHWEST GEORGIA
STATE: GA
CODE: 772-██

School Content Area Summary
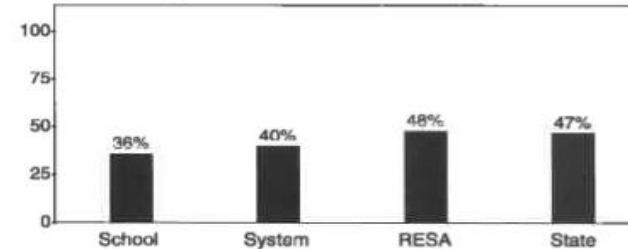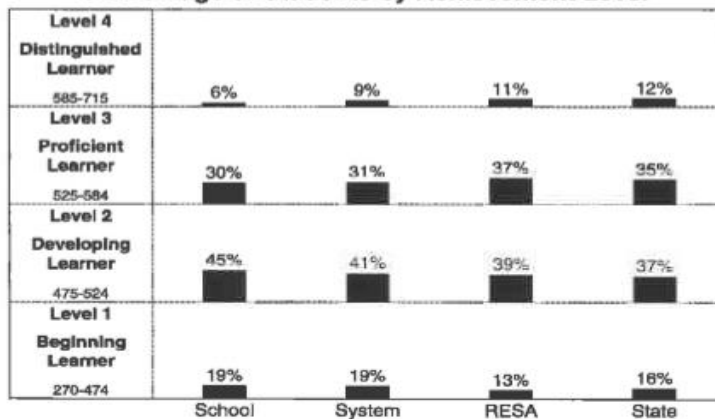Spring 2019 — End-of-Grade Assessment
Grade 5

Georgia **Milestones**
Assessment System

Mathematics

Overall Performance

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Norm-Referenced Performance

	School	System	RESA	State
Median National Percentile	47	50	56	56
Mean Normal Curve Equivalent	50.3	51.7	53.2	53.2

Summary Data Exclusions for the School

Reason	Number of Students
Present, Test Not Attempted (PTNA)	0
Did Not Attempt (DNA)	0
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Participation Invalidation (PIV)	0

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4ᵗʰ Grade Summary - 2018

GRADE: 4
SCHOOL: ▓▓▓▓ ELEMENTARY SCHOOL
SYSTEM: DALTON PUBLIC SCHOOLS
RESA: NORTHWEST GEORGIA
STATE: GA
CODE: 772-▓▓

School Content Area Summary
Spring 2018 — End-of-Grade Assessment
Grade 4

Georgia
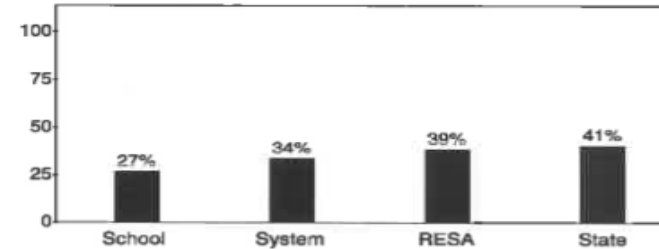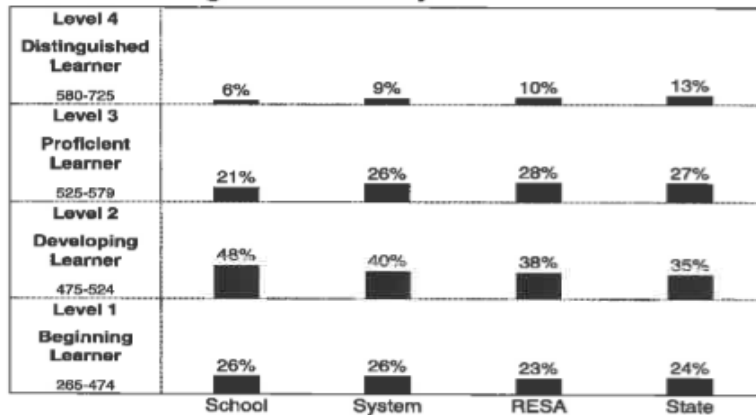**Milestones**
Assessment System

Mathematics

Overall Performance

Group	Number of Students	Mean Scale Score	Standard Deviation	Percentage Proficient (Levels 3 & 4)
School	80	513	45	36
System	577	517	47	40
RESA	9,307	525	46	48
State	136,134	525	50	47

Percentage of Students Proficient (Levels 3 & 4)

School 36% | System 40% | RESA 48% | State 47%

Percentage of Students by Achievement Level

Level	Range	School	System	RESA	State
Level 4 Distinguished Learner	585-715	6%	9%	11%	12%
Level 3 Proficient Learner	525-584	30%	31%	37%	35%
Level 2 Developing Learner	475-524	45%	41%	39%	37%
Level 1 Beginning Learner	270-474	19%	19%	13%	16%

Norm-Referenced Performance

	School	System	RESA	State
Median National Percentile	54	57	63	63
Mean Normal Curve Equivalent	50.0	52.4	55.0	55.0

Summary Data Exclusions for the School

Reason	Number of Students
Present, Test Not Attempted (PTNA)	0
Did Not Attempt (DNA)	0
Invalidation (IV)	0
Participation Invalidation (PIV)	0

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Georgia Department of Education

5th Grade Math Summary - 2019

4th Grade Domain Summary - 2018

GRADE: 4
SCHOOL: ████ ELEMENTARY SCHOOL
SYSTEM: DALTON PUBLIC SCHOOLS
RESA: NORTHWEST GEORGIA
STATE: GA
CODE: 772-████

School Content Area Summary
Spring 2018 — End-of-Grade Assessment
Grade 4

Mathematics

Domain Performance
Percentage of Students in Each Mastery Category*

	Number of Students	Operations and Algebraic Thinking			Number and Operations in Base 10			Number and Operations - Fractions			Measurement and Data			Geometry		
		1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
School	80	46	39	15	45	23	33	68	18	15	61	21	18	69	24	8
System	577	46	37	17	52	25	24	56	23	21	55	27	18	53	38	10
RESA	9,307	41	39	20	43	26	30	50	25	24	48	30	21	44	43	13
State	136,134	42	36	21	45	24	31	51	23	26	51	27	22	46	41	13

*Domain Mastery:
1 = Remediate Learning
2 = Monitor Learning
3 = Accelerate Learning

5th Grade Domain Summary - 2019

GRADE: 5
SCHOOL: ██████ ELEMENTARY SCHOOL
SYSTEM: DALTON PUBLIC SCHOOLS
RESA: NORTHWEST GEORGIA
STATE: GA
CODE: 772-██

School Content Area Summary
Spring 2019 — End-of-Grade Assessment
Grade 5

Georgia Milestones Assessment System

Mathematics

Domain Performance
Percentage of Students in Each Mastery Category*

	Number of Students	Operations and Algebraic Thinking			Number and Operations in Base 10			Number and Operations - Fractions			Measurement and Data			Geometry		
		1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
School	82	57	24	18	56	33	11	77	16	7	62	23	15	71	24	5
System	599	58	24	18	53	30	16	65	17	18	59	22	19	62	31	8
RESA	9,478	57	23	20	50	30	20	59	19	22	59	24	18	60	31	9
State	136,458	57	22	21	50	28	22	57	17	26	57	23	21	59	30	11

*Domain Mastery:
1 = Remediate Learning
2 = Monitor Learning
3 = Accelerate Learning

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5th Grade Domain Results from 18 to 19

- Decrease in all areas.

- Domain with the highest performance = Operations and Algebraic Thinking (Most Accelerate Learning).
- 10% of the test

- Domain with the lowest performance = Numbers and Operations – Fractions.
- 30% of the test

Implications for 5th Grade

- Based on performance and trend data – Professional Learning (PL), planning, coaching and administrator observations should focus on Numbers and Operations in Base 10 and Numbers and Operations - Fractions.

Next Steps

- Target areas have been identified by each PLC.
- Data is shared with staff at each school.
- All staff share how they will address targeted area(s).
- District and school coaches address targeted area(s) via PL, planning and coaching.

Next Steps, continued

- Administrators complete 10 walk-through observations daily.

- Monthly meetings scheduled to discuss progress with targeted areas.

- Examine formative data and other district data.

- Identify at-risk students and discuss instructional strategies.

Additional Data

- Numbers and operations

Additional Data

- Numbers, Operations and Fractions

Grade	ACHLevel_SS_EELA	SeL_EELA	Lexile	StductaL_Reading_Stdudtuaguaguages	LanguageN_rstsdteaeagveeeb	ReaV_dta/rVoticing	Wriiatng	ACHLevel_SS_Math	OpeN_rslattoinmbeorthsh	Number_tioosnt_s/OpNsp	Numbers_/OpsF_/Fprt	Measuremt_srosuaemt_ent	Geometry
04	459	1	570	1	2	1	1	1	1	434	1	1	1	1	1
04	411	1	435	1	2	0	0	1	1	439	1	1	1	1	1
04	376	1	355	1	2	0	0	1	1	439	1	1	1	1	1
04	553	3	890	2	3	4	3	2	3	514	2	2	1	2	2
04	474	1	630	1	2	2	1	1	1	522	2	2	2	1	2
04	507	2	820	2	2	2	2	1	1	504	2	1	1	1	2
04	582	4	1050	2	3	2	2	3	3	566	3	3	3	3	3
04	494	2	815	2	3	1	1	1	1	529	3	3	1	1	2
04	502	2	690	1	2	2	2	1	2	521	2	1	2	2	2
04	411	1	305	1	2	0	0	1	1	428	1	1	1	1	1
04	493	2	690	1	2	2	2	1	1	514	2	2	1	1	2
04	493	2	720	1	2	1	1	1	1	529	3	2	2	2	2
04	582	4	1120	2	3	2	2	3	3	587	4	3	3	3	2

Georgia Milestones Excel Worksheet

- https://portal.doe.k12.ga.us/login.aspx?ssosrc=pro

Excel Worksheet

Additional Resources

Georgia Milestones Assessment System
Grade 5 Mathematics: Georgia Standards of Excellence
DOMAIN STRUCTURES AND CONTENT WEIGHTS

Item Types:
Selected Response
Multiple-Select and/or Multiple-Part Selected Response
Constructed Response
Extended Constructed Response
Technology Enhanced Response

Total Number of Items = 49
Total Number of Points = 58

Reporting Category	Standards Assessed	Approximate % of Test	Approximate # of Points
Operations and Algebraic Thinking	MGSE5.OA.1	10%	6 points
	MGSE5.OA.2		
	MGSE5.OA.3		
Number and Operations in Base 10	MGSE5.NBT.1	25%	14 points
	MGSE5.NBT.2		
	MGSE5.NBT.3		
	MGSE5.NBT.4		
	MGSE5.NBT.5		
	MGSE5.NBT.6		
	MGSE5.NBT.7		
Number and Operations—Fractions	MGSE5.NF.1	30%	17 points
	MGSE5.NF.2		
	MGSE5.NF.3		
	MGSE5.NF.4		
	MGSE5.NF.5		
	MGSE5.NF.6		
	MGSE5.NF.7		

Additional Resources

Reporting Category	Standards Assessed	Approximate % of Test	Approximate # of Points
Measurement and Data	MGSE5.MD.1	20%	12 points
	MGSE5.MD.2		
	MGSE5.MD.3		
	MGSE5.MD.4		
	MGSE5.MD.5		
Geometry	MGSE5.G.1	15%	9 points
	MGSE5.G.2		
	MGSE5.G.3		
	MGSE5.G.4		

The Standards for Mathematical Practice (1-8) will be embedded within items aligned to the mathematical content standards.

Depth of Knowledge (DOK) is measured on a scale of 1 to 4 and refers to the level of cognitive demand (different kinds of thinking) required to complete an assessment item. The following table shows the expectations of the four DOK levels on the End-of-Grade Mathematics exam.

| Depth of Knowledge	Approximate % of Test	Approximate # of Points
Level 1	30% to 40%	17 to 23
Level 2	40% to 50%	23 to 29
Level 3	15% to 25%	9 to 15
Level 4	N/A	N/A

Additional Resources Link

- https://www.gadoe.org/Curriculum-Instruction-and-Assessment/Assessment/Documents/Milestones/Blueprints/GA_EOG_Grade_5_Blueprint_August_2019.pdf

Not teaching the test but being intentional with our instruction.
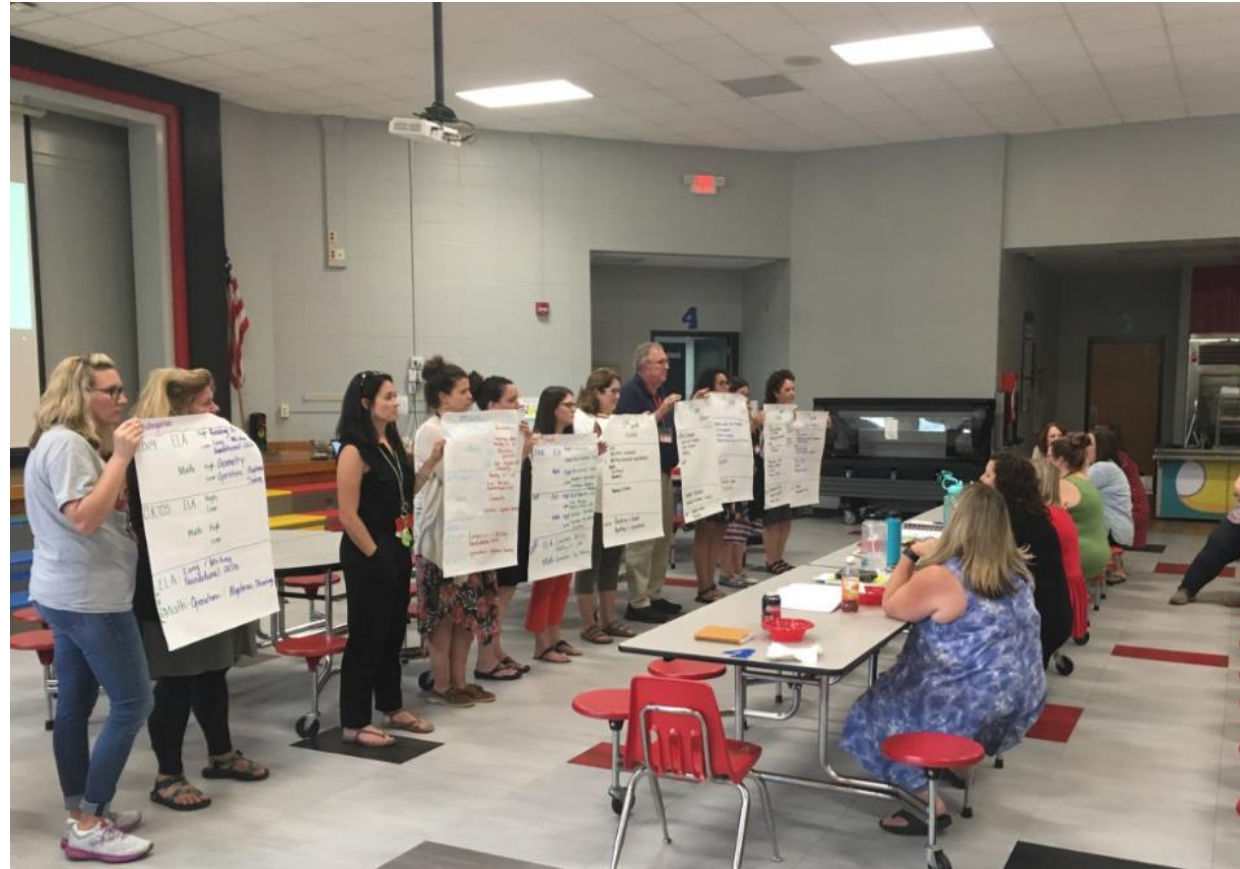
Not teaching the test but being intentional with our instruction.
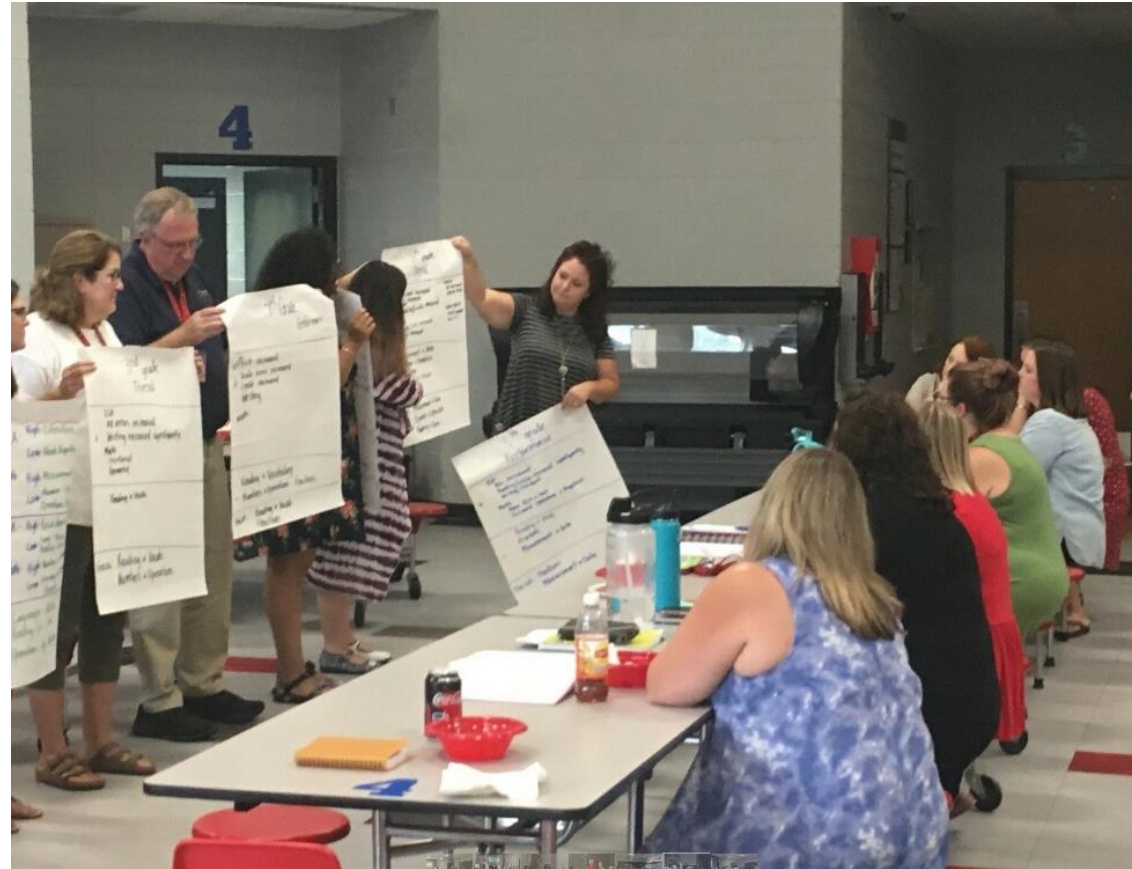
Morris Innovative High School (CSI School)

- For additional information about how this process works in a CSI school, e-mail Pat Hunt, principal at Morris Innovative High School.
- Pat.Hunt@dalton.k12.ga.us

Session Feedback

Thank you for attending our session. Please take a moment to provide your feedback.

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