

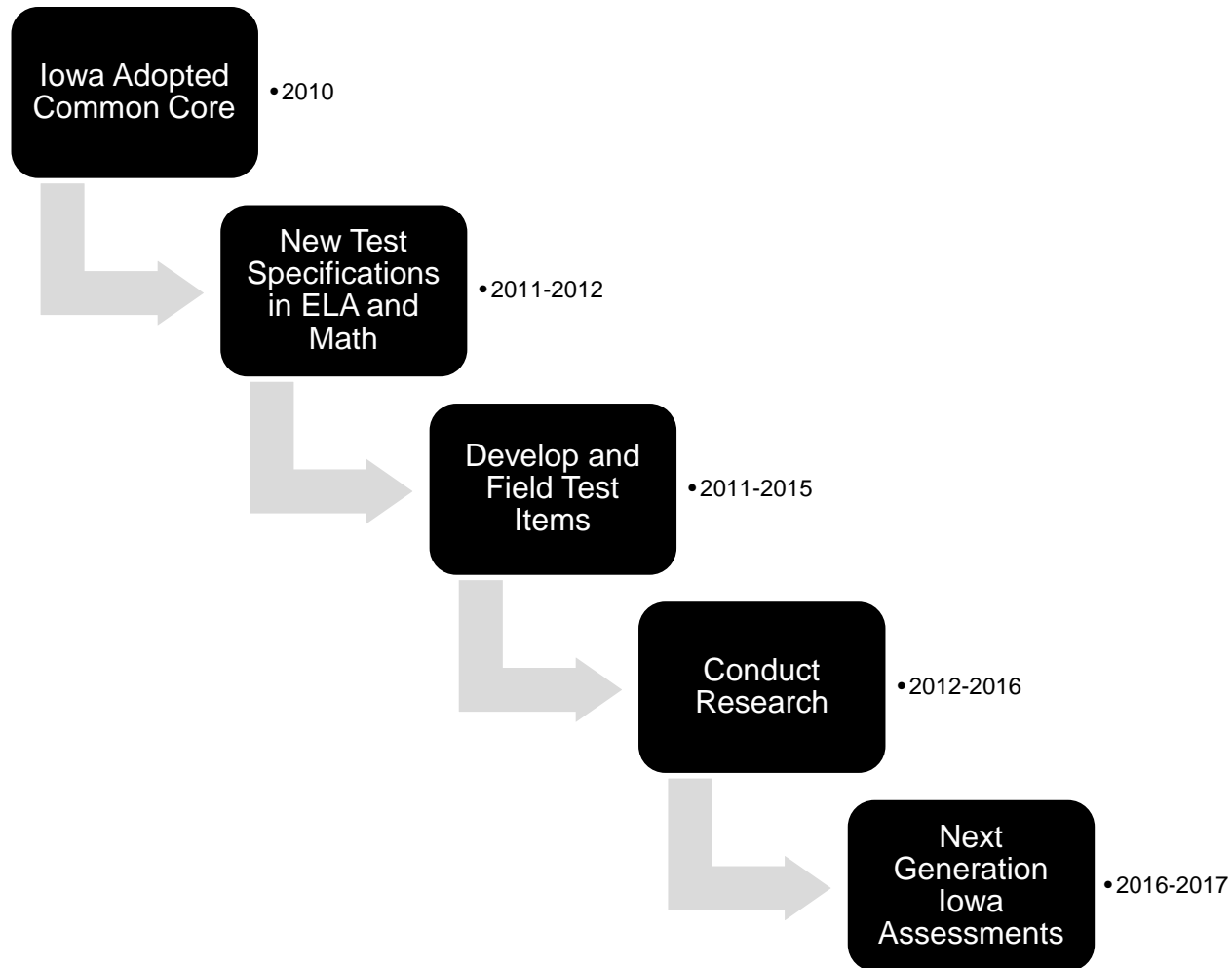
Next Generation Iowa Assessments

Iowa Testing Programs

House File 215 Requirements

- Reading, math and science
- Grades 3 to 11
- An assessment administered in the last quarter of the school year
- Aligned to the Iowa Core
- Valid, reliable and fair
- Describes growth and achievement
- Measures college and career readiness

Timeline for NGIA



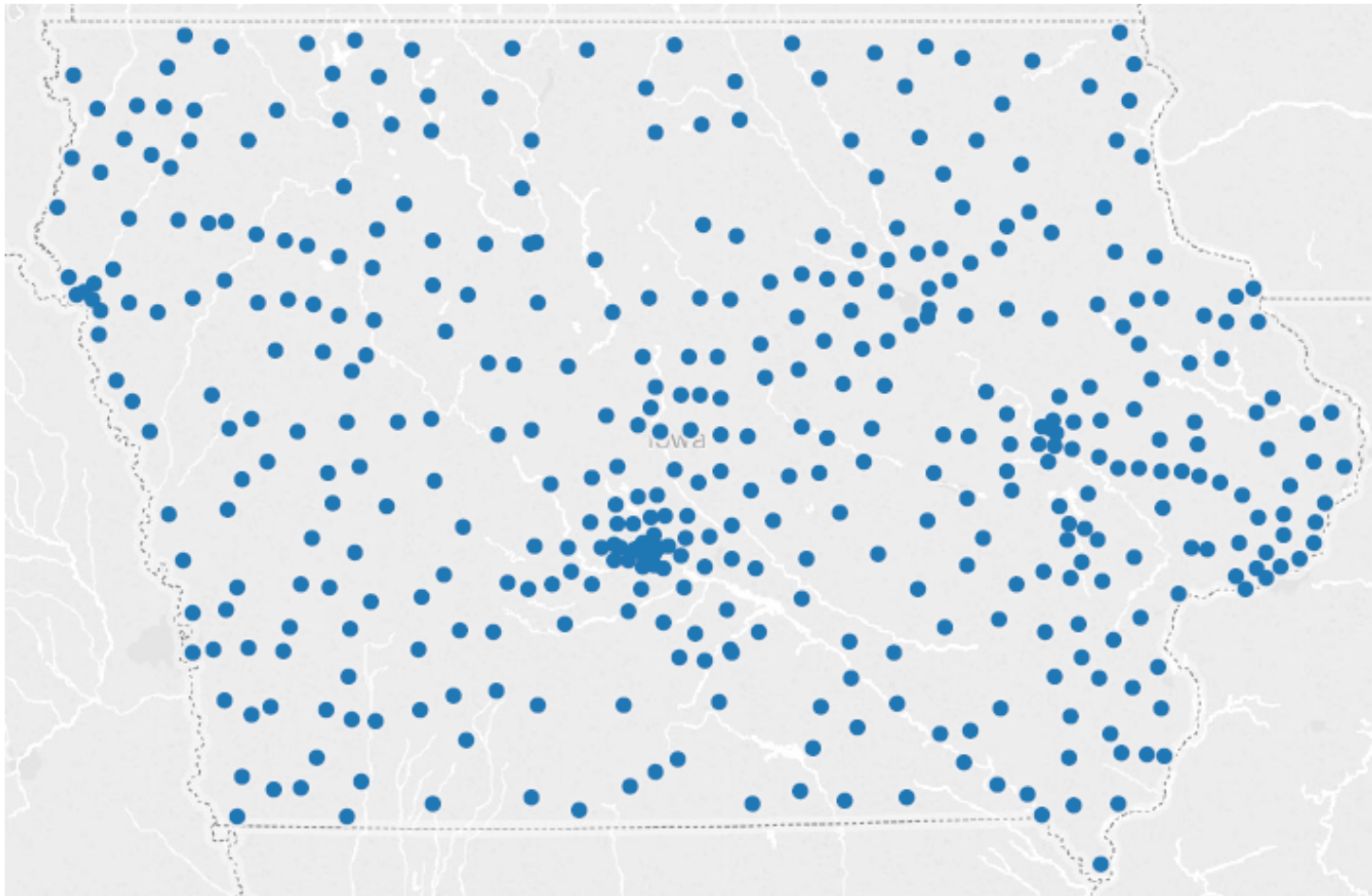
New Attributes

- New item types
- Grade specific coverage of standards
- Online and paper comparable

Developed by Iowans

- 700,000 Iowa students
- Researched in Iowa schools
- 700 Iowa educators
 - Wrote test questions
 - Reviewed test questions
 - Aligned to the Iowa Core
 - Scored essays and student responses

Iowa Student Participation



- Students in all Iowa districts invited to participate from 2011-2014
- Ongoing field testing through 2015
- Beta test of *NGIA* in 2016

Assessment Task Force

RFI One Results

Scoring Criteria	NGIA	ACT	SBAC
Fairness	84		
Availability	100		
Describes Student Achievement	95		
Valid	80		
Reliable	78		
Piloted in Iowa	100		
Alignment	95		
College Readiness	100		
Technical Support	75		
TOTAL Points	89%	39%	Did not submit

Assessment Task Force

RFI Two Results

Scoring Criteria	NGIA	ACT	SBAC
Fairness	84		
Availability	100		
Describes Student Achievement	95		
Valid	80		
Reliable	78		
Piloted in Iowa	100		
Alignment	95		
College Readiness	100		
Technical Support	75		
TOTAL Points	89%	43%	77%

Information Provided

- Multiple Audiences
 - Students
 - Parents
 - Educators
 - Policymakers
 - State and Federal Accountability
- Multiple Purposes

Performance Summary for Tyler Petrie

Iowa Core Summative

Test Date: 5/1/2015

Grade: 7
Class: Jennifer Jacoby
Building: Monroe Middle School

System: Golden Oaks CSD

State: IA



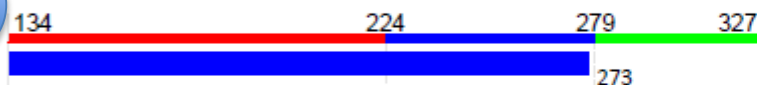
Interpretive Guidance

The information on this report summarizes Tyler's proficiency on the Iowa Core Summative Assessment for Mathematics.

- A total score is reported for Mathematics.
- Domain-level scores are reported for more specific content based on standards in the Iowa Core.

Mathematics Proficiency Level

Standard Score (SS) Graph



Proficiency Level: Proficient based on the Iowa Performance

Standards Standard Score (SS): 273

Mathematics College Readiness Indicator

Standard Score (SS) Graph

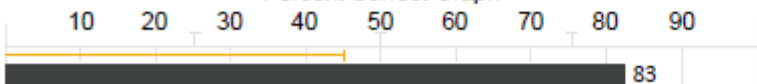


College Readiness Indicator: On Track for College Readiness!

Mathematics Domain Scores

Ratios and Proportional Relationships

Percent Correct Graph



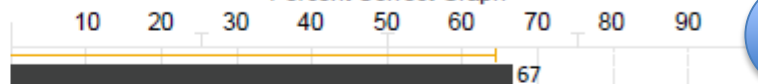
Points Earned: 15 out of 18

Percent of Points Earned: 83%

Average Score: 8.2 out of 18

The Number System

Percent Correct Graph



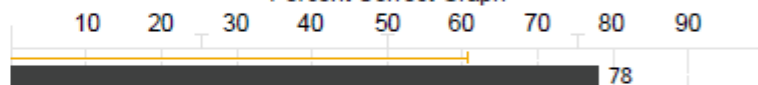
Points Earned: 10 out of 15

Percent of Points Earned: 67%

Average Score: 9.6 out of 15

Expressions and Equations

Percent Correct Graph



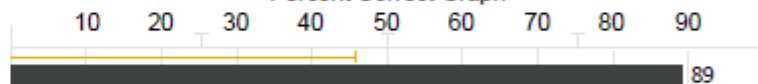
Points Earned: 14 out of 18

Percent of Points Earned: 78%

Average Score: 7.3 out of 12

Geometry

Percent Correct Graph



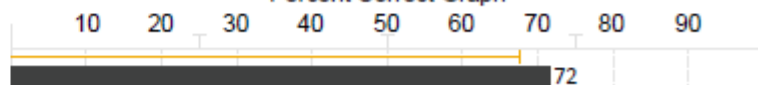
Points Earned: 16 out of 18

Percent of Points Earned: 89%

Average Score: 8.4 out of 18

Statistics and Probability

Percent Correct Graph



Points Earned: 13 out of 18

Percent of Points Earned: 72%

Average Score: 12.3 out of 18

1

3

2

4

Figure 3
Mathematics: Average NSS by Grade
Example CSD: 2013-2014

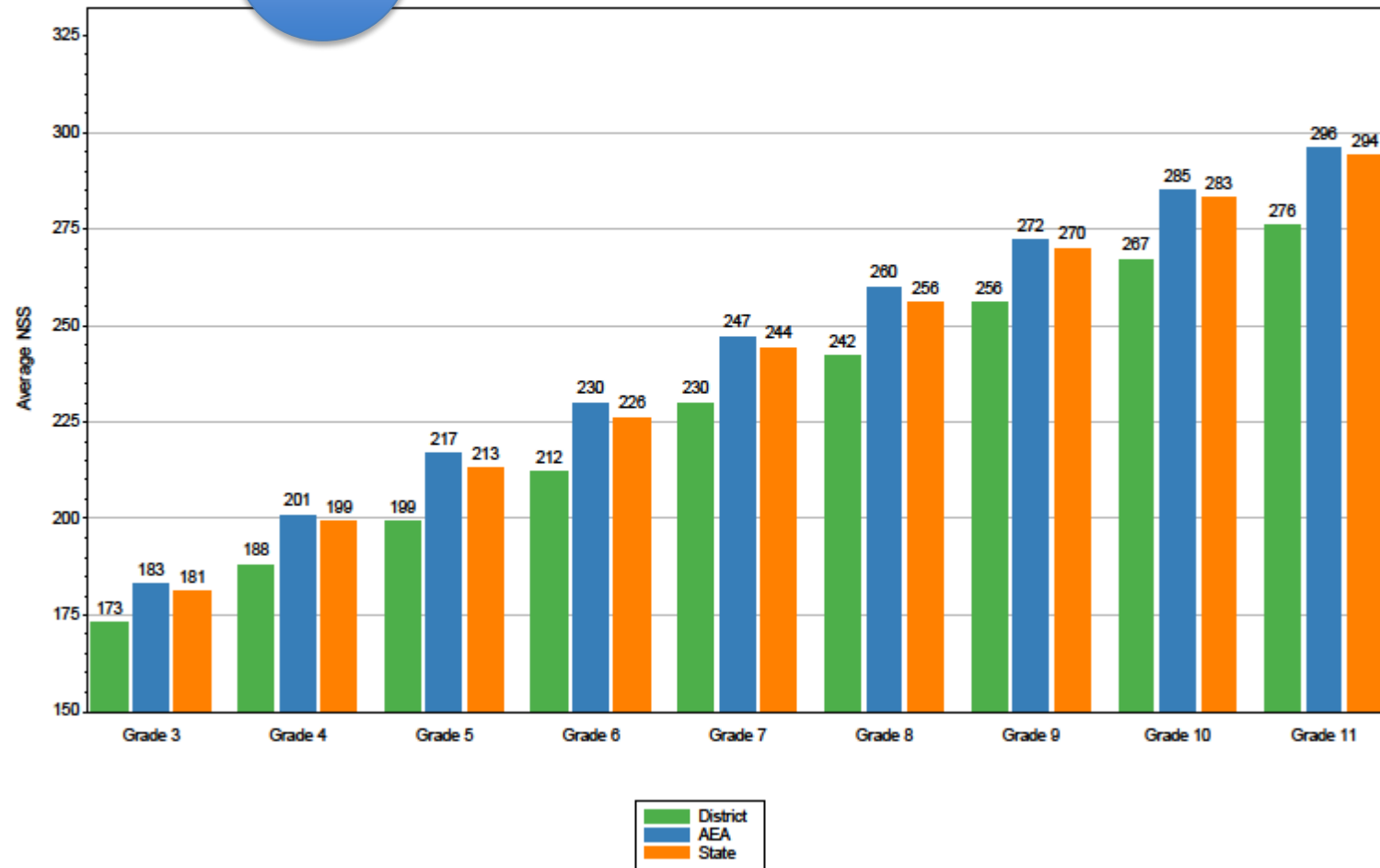


Table 3
Domain Performance on the Iowa Core: Grades 3-8
Example CSD: 2013-2014

Iowa Core: Mathematics									
Grade 3 (n=500)					Grade 4 (n=500)				
Domain	# of Points	Percent Correct			Domain	# of Points	Percent Correct		
		District	AEA	Iowa			District	AEA	Iowa
Operations & Algebraic Thinking	14	85%	88%	84%	Operations & Algebraic Thinking	17	88%	72%	88%
Number & Operations in Base 10	08	59%	61%	59%	Number & Operations in Base 10	08	59%	66%	65%
Number & Operations - Fractions	02	74%	71%	69%	Number & Operations - Fractions	02	58%	66%	62%
Measurement & Data	22	65%	66%	64%	Measurement & Data	22	65%	71%	70%
Geometry	06	60%	58%	56%	Geometry	06	57%	59%	56%
Total	50				Total	55			

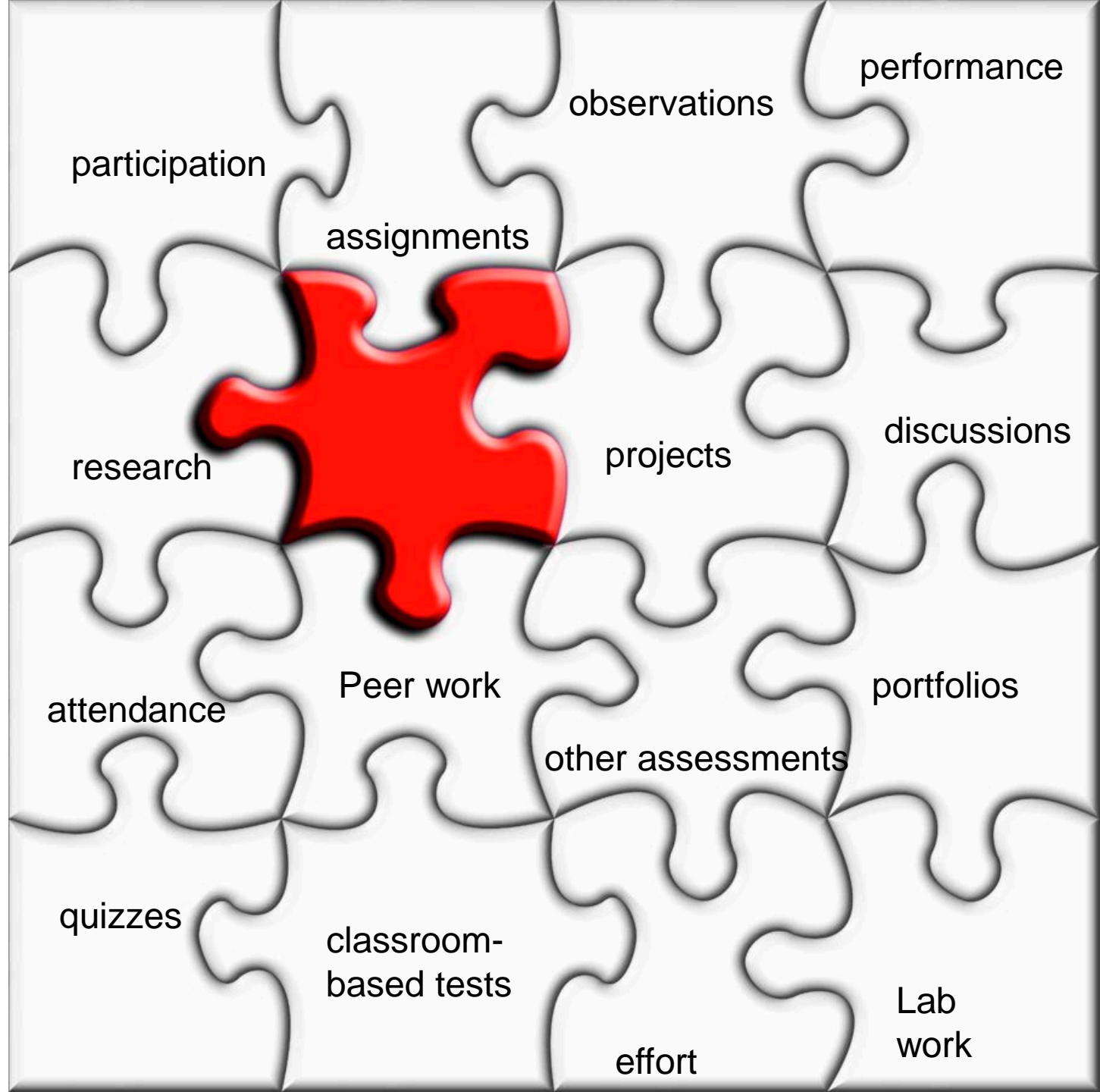
Grade 5 (n=500)					Grade 6 (n=500)				
Domain	# of Points	Percent Correct			Domain	# of Points	Percent Correct		
		District	AEA	Iowa			District	AEA	Iowa
Operations & Algebraic Thinking	15	62%	70%	68%	Ratios & Proportional Relationships	05	48%	52%	50%
Number & Operations in Base 10	11	59%	65%	61%	The Number System	19	58%	64%	61%
Number & Operations - Fractions	02	54%	61%	56%	Expressions & Equations	09	61%	67%	63%
Measurement & Data	23	62%	71%	69%	Geometry	14	52%	60%	58%
Geometry	09	52%	59%	57%	Statistics & Probability	09	53%	63%	62%
					Mathematical Practice, Measurement	09	64%	71%	70%
Total	60				Total	65			

Grade 7 (n=500)					Grade 8 (n=500)				
Domain	# of Points	Percent Correct			Domain	# of Points	Percent Correct		
		District	AEA	Iowa			District	AEA	Iowa
Ratios & Proportional Relationships	09	57%	65%	62%	The Number System	16	57%	63%	61%
The Number System	17	57%	64%	62%	Expressions & Equations	20	57%	65%	62%
Expressions & Equations	10	57%	66%	62%	Functions	02	47%	52%	50%
Geometry	15	47%	54%	52%	Geometry	17	48%	53%	51%
Statistics & Probability	10	45%	52%	50%	Statistics & Probability	12	57%	64%	63%
Mathematical Practice, Measurement	09	64%	71%	70%	Mathematical Practice, Measurement	08	48%	57%	55%
Total	70				Total	75			

Recommendations from Task Force

Introduced **6** Additional Expense Line Items

1. SBAC
2. Science assessment
3. Technology readiness
4. Funding of full suite of SBAC products
5. Professional development
6. Monitoring effectiveness of new assessments



participation

observations

performance

assignments

research

projects

discussions

attendance

Peer work

portfolios

other assessments

quizzes

classroom-
based tests

effort

Lab
work

Addressing Concerns of Alignment of Current Iowa Assessments

- **Commissioned by the Iowa Department of Education using Forms E/F. Study completed by Data Recognition Corporation**
- **Content**
 - 449/455 items are aligned in math (Table 6 of report)
 - 381/381 items are aligned in reading (Table 11 of report)
- **Grade Level**
 - In an effort to more precisely measure growth, the current Iowa Assessments have items that go up a grade level and down a grade level. When aligned to +/- grades, all items align (Tables 5 and 9 of report)
 - NGIA will **not** have items that cross grade levels.
 - SBAC will have items that cross grade levels. Using the same methodology employed in this alignment study, the SBAC would **not** be aligned with respect to grade.