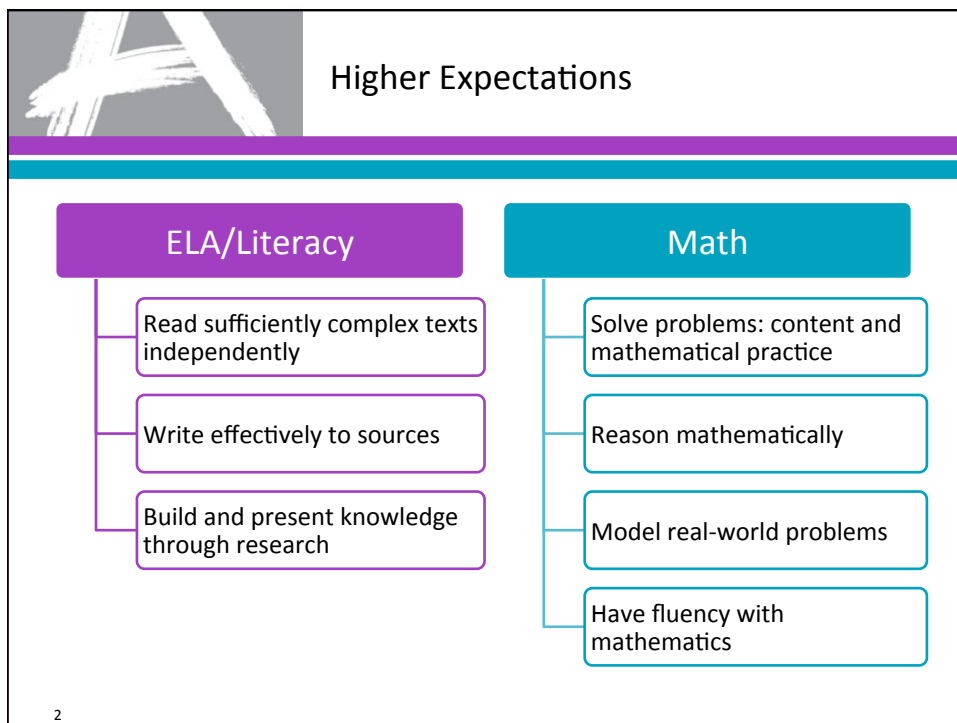



PARCC Assessment Math Shifts


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What Are the Shifts at the Heart of PARCC's Design?

1. **Focus:** The PARCC assessment will focus strongly where the Standards focus.
2. **Coherence:** Think across grades and link to major topics within grades.
3. **Rigor:** In major topics, pursue conceptual understanding, procedural skill and fluency, and application.



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Advances in Assessment Demanded by the Shifts

Shift #1 – Focus: The PARCC assessments will **focus** strongly where the Standards focus

Advance: 70% or more on the major work in grades 3-8.

- Focus allows for a variety of problem types to get at concept in multiple ways.
- Students will have more time to master concepts at a deeper level.

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Advances in Assessment Demanded by the Shifts

Shift #2 - Coherence: Think across grades, and link to major topics within grades

Advance: The assessment design is informed by multi-grade progressions in the Standards and the *Model Content Frameworks*.

- Key beginnings are stressed (e.g., ratio concepts in grade 6), as are key endpoints and takeaway skills (e.g., fluency with the multiplication table in grade 3).

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Advances in Assessment Demanded by the Shifts


Shift #2 - Coherence: Think across grades, and link to major topics within grades

Advance: Integrative tasks draw on multiple standards to ensure students are making important connections.

- The Standards are not treated as a checklist.



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Advances in assessment demanded by the shifts

Shift #3 - Rigor: In major topics, pursue **conceptual understanding**, procedural skill and **fluency**, and **application**

Advance: PARCC assessments will reach the rigor in the Standards through innovations in technology and item design.

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Advances in the PARCC Assessments

- **Advances in the PARCC Assessments**
- Better standards require better tests – and the shifts in the standards call for critical advances in assessment quality. PARCC will develop custom items and tasks aligned to the Common Core State Standards.
- In regards to the mathematics assessments, this means PARCC will include:
- *Problems worth doing:* Multi-step problems, conceptual questions, applications, and substantial procedures will be common, as in an excellent classroom.
- *Focus:* Instead of randomly sampling a mile-wide array of topics, PARCC assessments will have a strong focus where the standards focus. This will reinforce the concept of “going deep” rather than simply “covering topics.”=

PARCC Updates

- **Performance Level Descriptors**
 - Also grade and subject specific
 - Makes specific distinctions within the content
 - Examines engagement and evidence of the practices
 - Makes fine distinctions in the performance levels
 - Public comment incorporated

What are Performance Level Descriptors?

Performance Level Descriptors or PLDs describe what students at each performance level know and can do relative to the grade-level or course content standards assessed.



All PLDs can be found on PARCC Online –
Assessments/Assessment Policies



Performance Level Descriptors

PARCC
Performance Level Descriptors – Grade 7 Mathematics

Grade 7 Math : Sub-Claim A
The student solves problems involving the Major Content for grade/course with connections to the Standards for Mathematical Practice.

Performance level ranging from 2 - 5

Gives the Sub-Claim

	Level 5: Distinguished Command	Level 4: Strong Command	Level 3: Moderate Command	Level 2: Partial Command
Proportional Relationships 7.RP.1 7.RP.2a 7.RP.2b 7.RP.2c 7.RP.2d 7.RP.3-1 7.RP.3-2	Analyzes and uses proportional relationships to solve real-world and mathematical problems, including multi-step ratio/percent problems. Computes unit rates of quantities associated with ratios of fractions.	Analyzes and uses proportional relationships to solve real-world and mathematical problems, including multi-step ratio/percent problems. Computes unit rates of quantities associated with ratios of fractions.	Analyzes and uses proportional relationships to solve real-world and mathematical problems, including simple ratio/percent problems. Computes unit rates of quantities associated with ratios of fractions.	Uses proportional relationships to solve real-world and mathematical problems, including simple ratio/percent problems. Computes unit rates of quantities associated with ratios of fractions.

Concept and Standards

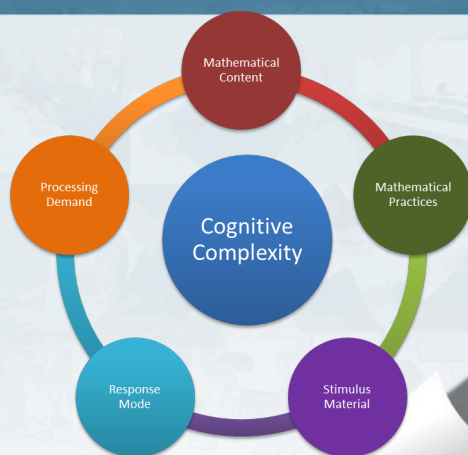
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Factors that determine the performance levels (Cognitive Complexity)

1. Mathematical Content
2. Mathematical Practices
3. Stimulus Material
4. Response Mode
5. Processing Demand






PARCC's Fundamental Advance

PARCC is designed to *reward quality instruction aligned to the Standards*, so the assessment is worthy of preparation rather than a distraction from good work.

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The Partnership for Assessment of Readiness for College and Careers

September 2013

Website: www.PARCConline.org

Sample Items: <http://www.parcconline.org/samples/item-task-prototypes>

Twitter: @PARCCPlace

