Agenda

- Introduction
- Observations/Facts about PARCC Mathematics Assessments
- Standards
- PARCC Assessment Items
  - Item Alignment
- PARCC Assessment Forms
- PARCC Score Reports
  - Subclaim Scores
  - Released Items
Introduction

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- Questions, comments, opinions, etc.
- Be careful with opinions and “facts”.
- Goal for the day.
Observations/Facts About PARCC Mathematics Assessments

- Radian measure- virtual calculator, each unit
- Multiple Select Items
- Multiple Choice Items
- Sets of Standards- CCSSM, PARCC Evidence Statements, Domain 6, NJ Student Learning Standards
- TestNav Functionality- Hot Spot, Graphing a Quadratic
- All PARCC Items only report back to one standard
- Be Careful with Test Preparation- there are more PARCC Evidence Statements than test items in any grade/course in any year
- “Teaching to the Test”
Sets of Standards
CCSSM and PARCC Evidence Statements- Ground Rules
Common Core State Standards for Mathematics (CCSSM)

- http://www.corestandards.org/Math/
- Every piece of content in the Common Core (standard) has a grade, domain, and cluster assignment.
- 7.G.A.3 (was 7.G.3)
- Every grade/course has 5 domains (but not necessarily the same in any two grades/courses)
- A standard can be split further into parts
- HSF.TF.B.5 (course?) (was F.TF.5)
- Appendix A- The Pathways
- Mathematical Practices
PARCC Evidence Statements

- [http://www.state.nj.us/education/assessment/district/](http://www.state.nj.us/education/assessment/district/) (see PARCC Test Design and Content Information)
- Based on CCSSM
- Three types of Evidence Statements (each type exists in each grade/course)
  - Type I- Content
  - Type II- Reasoning
  - Type III- Modeling
- Rationale
  - Better define where content is placed in HS courses
  - Better define what content is taught
  - Better define how the Mathematical Practices are assessed
Type I Evidence Statements (Content)

- A-APR.3-1 (focus on -1, could also be a -2)
  - No HS, No Cluster
  - Algebra I
  - Limiting, compare to HSA.APR.B.3 (“quadratic and cubic polynomials”)
- F-IF.1 (AI)(exact match to CCSSM)
Type II Evidence Statements (Reasoning)

- Not derived for the CCSSM- Unique to PARCC (vs. SBAC)
- HS.C.18.1 (Al), securely held knowledge
- HS.C.8.1 (Al) vs. HS.C.8.2 (All) A.APR.4
- The number of these is deceiving as the required type of reasoning is repetitive across grades/course but the content used changes.
Type III Evidence Statements (Modeling)

- 8.D.4
Types of Evidence Statements and How they are Assessed

Evidence Statements

- Type I - content, code is similar to CCSSM codes
- Type II - reasoning, code includes “C”
- Type II - modeling, code includes “D”

Item Types

- Type I - machine scored items, multiple choice, multiple select, in line drop down, drag and drop, hot spot, graphing, short answer (buttons below answer space, no expanding window) (1, 2, or 4 pts.)
- Type II - hand scored constructed response (window expands down, buttons on side) (3 or 6 pts.) (CA)
- Type III - hand scored constructed response (window expands down, buttons on side) (3 or 6 pts.) (CA)
PARCC Item Types
PARCC Released Items

- http://parcc-assessment.org/released-items
- Page 1 - two documents
- Page 7 - Grade 6, 2016, Alignment Document, Item Set #4, 21, 24, 28, Sample Student Responses; 2015 PBA #11 (A1, A3, A5)

- Practice Tests: https://parcc.pearson.com/practice-tests/
  - Allows practice on TestNav functionality
Test Forms and Score Reporting
Evidence Statements to Sub-Claims to Reports
PARCC Reports Reliably on Four Sub-Claims and a Master Claim

- Major Content (Type I Items) (see Pathways)
- Additional and Supporting Content (Type I Items) (see Pathways) (see Below) (Grade 6 Statistics)
- Reasoning (Type II Items)
- Modeling (Type II Items)
- Integrated Evidence Statements (AI, F-IF.a.int.1, HS-Int3-2, Uniquely PARCC)
- http://www.state.nj.us/education/assessment/district/
Forms- Item Counts by Type

- Three units
- Calculator Active (Types I, II, and III) always follows Non-Calculator (only Type I)
- http://www.state.nj.us/education/assessment/district/
- See test blueprints and Information Guides
## Forms- Item Types by Percent

<table>
<thead>
<tr>
<th>Type</th>
<th>% of Form by Type</th>
<th>% of Form by Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>I</td>
<td>80.5-81.6</td>
<td>60.1-60.5 (SCI vs. SC2)</td>
</tr>
<tr>
<td>II</td>
<td>9.3-11.1</td>
<td>17.3-21.2</td>
</tr>
<tr>
<td>III</td>
<td>7.9-9.8</td>
<td>18.2-22.2</td>
</tr>
</tbody>
</table>
Score Reporting

- Raw Data vs. Scale Scores
- http://understandthescore.org/score-report-guide/
- https://parccresults.pearsonaccessnext.com/
- http://pearsonaccessnext.com
Questions?

- Who takes what test? (No double testing)
- New Summer Administration
- Graduation Requirements
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