



REPORT CHEAT SHEET Diagnostic Results (Student)



Mathematics

A comprehensive picture of student instructional needs based on data from each Diagnostic with specific recommendations and resources for differentiating instruction for each student.

Use for:

- Planning instruction
- Setting student growth goals

When:
After an administration of a Diagnostic assessment

Related Reports:
Instructional Groupings:
for possible student instructional groups

1 This Placement and Diagnostic Growth chart visually represents a student's initial placement, growth across their Diagnostics, and progress toward their growth measures.

1a The green band shows the On Grade Level range for this grade and subject.

1b The solid line shows the student's Typical Growth measure and the **dashed line** shows the student's Stretch Growth measure, which are based on the initial Diagnostic placement level.

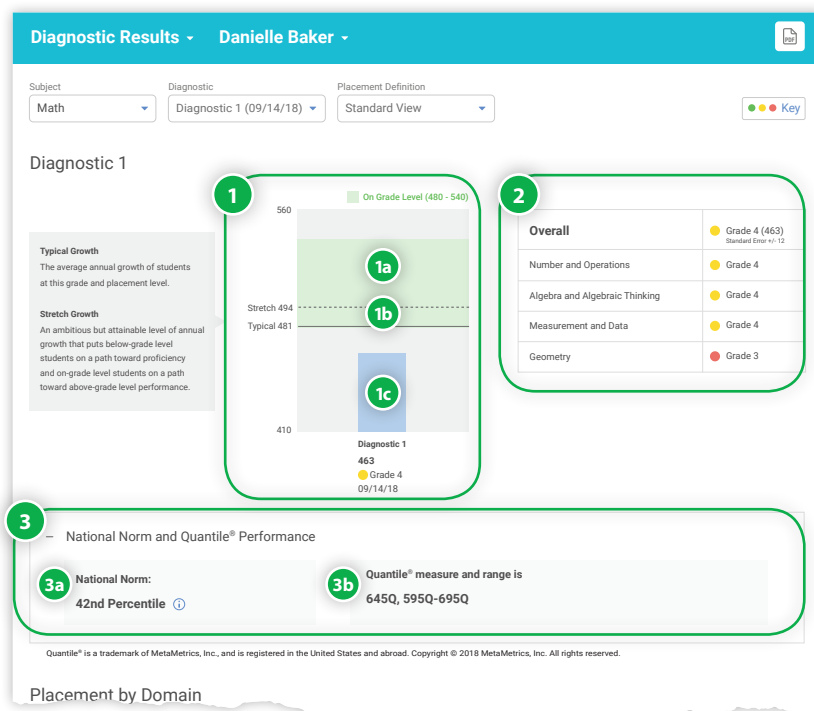
1c The blue bar shows the student's score and placement level for the Diagnostic.

2 Placement by Domain: This shows the grade-level placement for this student for each subject domain.

3 National Norm and Quantile® Performance: Select the plus icon to open the row and see the National Norm and Quantile measure and range for this student.

3a National Norm: specifies the student's position relative to a group of nationally representative *i-Ready* students who are in the same grade and who took the tests at the same time of year as the student. For example, if a student's percentile rank is 90%, this means the student scored better than or equal to 90% of her peers.

3b Quantile measure and range: The Quantile Framework® for Mathematics uses one scale to measure students' math ability and help identify resources for math instruction. Quantiles help you identify targeted lessons and supplemental math materials based on each student's ability. A student's Quantile measure is his or her math ability score. The Quantile range indicates the range of math materials that will be easy to more challenging for the student. In *i-Ready*, students' Math Diagnostic scores are used to approximate Quantile measures and ranges.



Report continued on next page.

Understanding Growth in *i-Ready*:

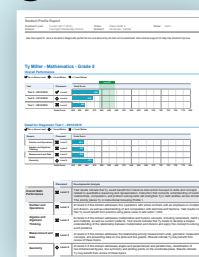
Typical Growth and Stretch Growth measures are provided for each student based on their placement on the first Diagnostic assessment of the year.

Typical Growth is the average annual growth for students at this grade and placement level.

Stretch Growth for below-grade level students is an ambitious but attainable level of annual growth that puts below-grade level students on a path toward proficiency. Stretch Growth for on- or above-grade level students is an ambitious but attainable level of annual growth that puts on-grade level students on a path to achieve/maintain advanced proficiency levels.

For more information, visit i-ReadyCentral.com/GrowthGoals.

Replaces the Reports:



Information in the Diagnostic Results (Student) report was previously found in the **Student Profile (Student-level) report**.

Continued report.

4 Overall Developmental Analysis: This section gives you insight into what the students' overall and domain placements mean. It highlights the most important areas of need to help you to make decisions about instruction.

5 Domain Tabs: Each tab shows a student's placement and score for that domain. Select a tab to display the student's developmental analysis, Can Dos, and Next Steps & Resources for Instruction for that domain.

6 Developmental Analysis: This section gives more insight into the domain placement level, highlighting the most important areas of need.

7 Can Do: This section identifies student strengths in this domain.

8 Next Steps & Resources for Instruction: This section identifies the skills that students can and should learn next and offers resources to help you plan direct instruction for that student.

8a Tools for Instruction: Use these targeted, skill-based mini-lesson plans as tools for teaching individual, small group, or whole class lessons. These appear under the skills students need to learn.

8b Additional Resources: A reference to the appropriate section of relevant resources from Curriculum Associates is provided so you can utilize those resources if you have access to them in your classroom.

4 Placement by Domain

Test results suggest that Danielle would benefit from intervention focused on skills and concepts related to quantitative reasoning and representation. Instruction that connects understanding of number relationships with computation and problem-solving skills will strengthen Danielle's mathematics abilities across domains. This priority places Danielle in Instructional Grouping 2.

5	Number and Operations	Algebra and Algebraic Thinking	Measurement and Data	Geometry
	● Grade 4 439	● Grade 4 447	● Grade 4 446	● Grade 3 436

Developmental Analysis

6 At grade levels 3-5, this domain addresses four operations with whole numbers with an emphasis on multiplication and division, as well as understanding of and computation with decimals and fractions. Test results indicate that Danielle could benefit from practicing multi-digit whole number operations and fraction concepts.

7 Can Do

Base Ten

Read and write whole numbers through hundred millions in expanded form and standard form and identify the value of the digits.

Standards

Compare and order numbers through hundred millions.

Standards

Add multi-digit numbers.

Standards

Multiply a whole number by a power of 10 or a multiple of 10.

Standards

Compare two decimals to hundredths, including amounts of money.

Standards

Fractions

Identify fractions that name part of a whole (denominators of 2, 3, 4, 5, 6, 8, 10, 12).

Standards

8 Next Steps and Resources for Instruction

Base Ten

– **Subtract multi-digit numbers.**
Subtract multi-digit numbers

8a Tools for Instruction

[Subtract Multi-Digit Numbers](#)

8b Additional Resources

Ready® Mathematics Instruction or digital access to *Ready®* through Teacher Toolbox
[Learn More](#)

• **Grade 4**
Lesson 1: Understand Place Value
Lesson 3: Add and Subtract Whole Numbers

– **Multiply three-digit numbers by one-digit numbers.**
Multiply three-digit numbers by one-digit numbers

Tools for Instruction

[Multiply Three-Digit Numbers by One-Digit Numbers](#)

Additional Resources

Ready Mathematics Instruction or digital access to *Ready* through Teacher Toolbox
[Learn More](#)

• **Grade 4**
Lesson 11: Multiply Whole Numbers

– **Recognize that in a multi-digit whole number, a digit in one...**
Recognize that in a multi-digit whole number, a digit in one place represents ten times what it represents in the place to its right

Additional Resources

Ready Mathematics Instruction or digital access to *Ready* through Teacher Toolbox
[Learn More](#)

• **Grade 4**
Lesson 1: Understand Place Value

Fractions

– **Write equivalent fractions, including fractions in simplest form.**
Write equivalent fractions, including fractions in simplest form