

# Knowledge Assessment & Gap-Filling Actions

Student: **Test Student**  
 Grade: **8**  
 Subject: **Math**  
 Date Prepared: **03/31/2023**

## Knowledge Summary

### Math Knowledge Summary

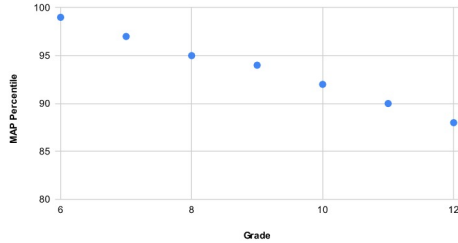
Overall	MAP RIT (Absolute Score)	MAP Percentile (of Grade Cohort)
Math	255	92 <sup>nd</sup> (top 8 <sup>th</sup> percent of grade)

Sub-scores	MAP RIT (Absolute Score)	MAP Percentile (of Grade Cohort)
Math: Geometry	269	98 <sup>th</sup>
Math: Operations and Algebraic Thinking	236	65 <sup>th</sup>
Math: Statistics and Probability	252	89 <sup>th</sup>
Math: The Real and Complex Number Systems	261	95 <sup>th</sup>

## Current Trajectory

### Understanding MAP Percentile and Expected RIT Growth

MAP Percentiles for a RIT Score of 260



#### Takeaway

A RIT Score of 260 is 99<sup>th</sup> percentile for a 6<sup>th</sup> Grader.

#### Takeaway

The effort to increase MAP percentile from 50<sup>th</sup> to 80<sup>th</sup>, 80<sup>th</sup> to 95<sup>th</sup>, and 95<sup>th</sup> to 99<sup>th</sup> is similar.

### How MAP Percentile forecasts College Admission

Current Trajectory: **92%**



<b>Open Enrollment Colleges</b> Math MAP %: < <b>93%</b>	<b>Top State Universities</b> (e.g., Michigan State) Math MAP %: <b>93%</b>	<b>Top Public University</b> (e.g., UT Austin) Math MAP %: <b>97%</b>	<b>Top 20 University</b> (e.g., Duke) Math MAP %: <b>99%</b>	<b>Ivy League</b> (e.g., Harvard) Math MAP %: <b>99%</b>
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#### Context Notes

- Virtually all Universities publish extensive data regarding their student admissions. Many reports and analysis exist; feel free to explore for yourself and/or consult your gt.school advisor with questions.
- Using this data, many useful resources exist. For example, [this](#) lets families explore the typical admission scores of specific universities.

### How MAP Percentile forecasts SAT Scores

Current Trajectory: **700-720**



<b>Open Enrollment Colleges</b> Math MAP %: < <b>580</b>	<b>Top State Universities</b> (e.g., Michigan State) Math MAP %: <b>580-650</b>	<b>Top Public University</b> (e.g., UT Austin) Math MAP %: <b>650-730</b>	<b>Top 20 University</b> (e.g., Duke) Math MAP %: <b>750-800</b>	<b>Ivy League</b> (e.g., Harvard) Math MAP %: <b>750-800</b>
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#### Context Notes

- The SAT exists to be an objective, nationally standardized, indicator of academic outcomes, primarily for use by college admissions officers. While some schools have made the submission of standardized test results optional or voluntary, they are almost always submitted by the strongest students and when present work strongly in their favor.
- Scoring well on the SAT Math test does not require any advanced high school math. In fact, there is no Calculus, Pre-Calculus, and very little Trig or even Geometry. High SAT Math scores instead require solid mastery of 5th-10th grade math concepts.
- Many reports/analysis exist to correlate MAP to SAT scores, e.g. [here](#).