



GRADE 8 MATHEMATICS

Mathematics Assessment Report, 2022–2023

This report shows the level of proficiency attained by FIRSTNAME on this assessment. This assessment is just one measure of how well your child is performing academically.

To try the tools and functionality of the testing platform as well as grade/course level items, visit the Practice Tests found at Test Preparation on <http://support.mdassessments.com>.

How Can You Use This Report?

Ask your child’s teachers:

- What do you see as my child’s academic strengths and areas for improvement?
- How will you use these test results to help my child make progress this school year?

Learn more about Maryland’s College and Career Ready Standards

These rigorous education standards establish a set of shared goals for what students should understand and be able to do in grades K-12 in order to be prepared for success in college and the workplace. You can learn more about Maryland’s K-12 standards at:

<https://marylandpublicschools.org/about/Pages/DAIT/Assessment/MCAP/Math.aspx>.

See side 2 of this report for specific information on your child’s performance in mathematics.

How Did FIRSTNAME Perform Overall?

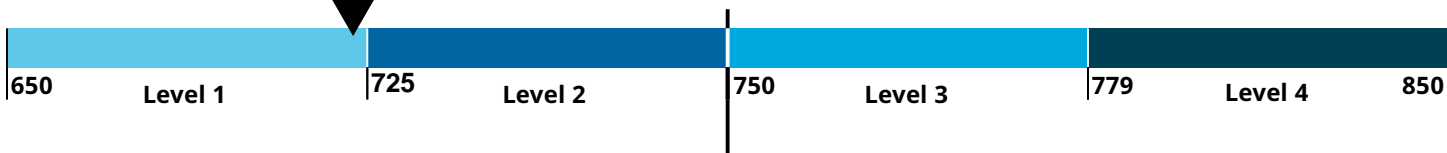
Performance Level 1

A description of the Performance Levels can be found on the back of this page.

- Level 4** Distinguished Learner
- Level 3** Proficient Learner
- Level 2** Developing Learner
- Level 1** Beginning Learner

Your child’s score

722



School Average

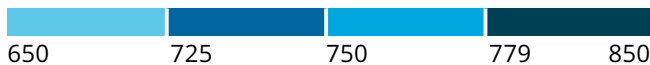
706

LEA Average

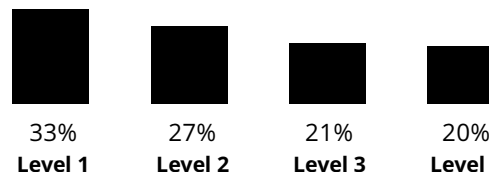
746

State Average

723



How Students in Maryland Performed



Percentage of students at each performance level

Student Growth Percentile

Your child’s score this year is the same as or better than 13 percent of Maryland students who had a similar score to your child on the assessment in a previous year.

How are assessment results used?

Results from the assessment give your child’s teacher, school, and school district information about their academic performance, and provide you with some insight as to your child’s level of learning. These results should be used with other assessment results and class work when gauging student performance.

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How Did Your Child Perform in Areas of Mathematics?

● CONTENT




Your child performed about the same as other **Proficient or Distinguished Learners** who demonstrated proficiency or advanced proficiency of the grade level content. Students demonstrate proficiency of the grade level content by solving problems involving conceptual understanding, procedural knowledge, and application of number systems, expressions and equations, functions, geometry, statistics and probability.

◐ REASONING

Your child performed about the same as other **Developing Learners** who demonstrated partial proficiency of mathematical reasoning for this course or grade level. Students demonstrate proficiency of mathematical reasoning by solving problems and providing solutions that exhibit an ability to reason mathematically based on the course or grade level content.

● MODELING

Your child performed about the same as other **Proficient or Distinguished Learners** who demonstrated proficiency or advanced proficiency of mathematical modeling for this course or grade level. Students demonstrate understanding of mathematical modeling by solving problems and providing solutions that exhibit the ability to apply the modeling process based on the course or grade level content.

LEGEND		
Your child performed about the same as:		
 Distinguished or Proficient Learners	 Developing Learners	 Beginning Learners

Mathematics Performance Level Descriptions

Level 4 Distinguished Learners: *Distinguished Learners demonstrate advanced proficiency* in solving complex problems involving the number system, equations or expressions, functions, geometry, statistics and probability, and demonstrates an ability to connect multiple grade-level concepts in order to conceptualize and apply mathematics to model, reason through, and solve problems efficiently, and relate mathematics to the real world. The students are well prepared for the next grade level or course and are well prepared for college and career readiness.

Level 3 Proficient Learners: *Proficient Learners demonstrate proficiency* in solving problems involving the number system, equations or expressions, functions, geometry, statistics and probability, and demonstrates an ability to conceptualize and apply mathematics to model, reason through, and solve problems efficiently, and relate mathematics to the real world. The students are prepared for the next grade level or course and are on track for college and career readiness.

Level 2 Developing Learners: *Developing Learners demonstrate partial proficiency* in solving problems involving the number system, equations or expressions, functions, geometry, statistics and probability, and may need some support in conceptualizing and applying mathematics to model, reason through, and solve problems efficiently, and in relating mathematics to the real world. The students need additional academic support to ensure success in the next grade level or course and to be on track for college and career readiness.

Level 1 Beginning Learners: *Beginning Learners do not yet demonstrate proficiency* in solving problems involving the number system, equations or expressions, functions, geometry, statistics and probability where the required mathematics is either directly indicated or uses common grade level procedures, and typically needs support in conceptualizing and applying mathematics to model, reason through, and solve problems efficiently, and in relating mathematics to the real world. The students need substantial academic support to be prepared for the next grade level or course and to be on track for college and career readiness.