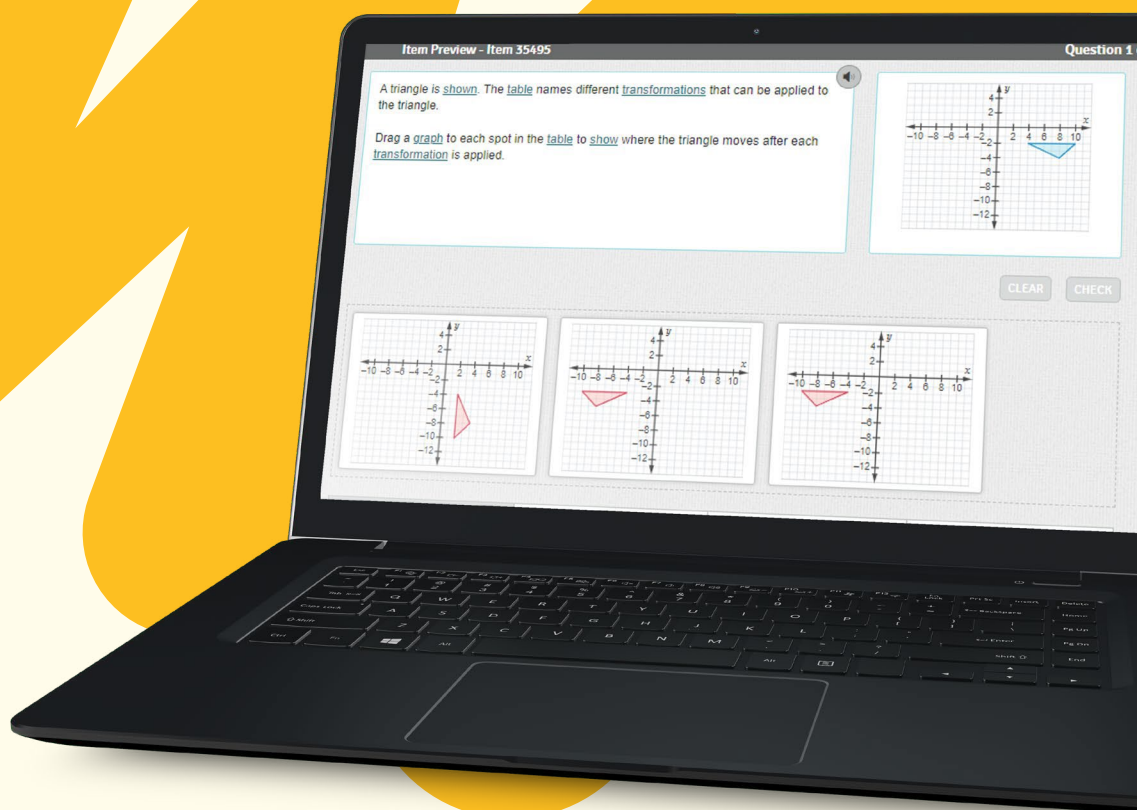# Imagine Math 3+

Data Best Practices for Educators

Best Practices for Educators

Imagine Math 3+ reports provide educators with real-time data on engagement, progress, and content mastery. This guide is designed to help educators identify the critical metrics that will provide actionable evidence about student performance. It also provides a straightforward routine that empowers educators to quickly analyze data trends and take action to ensure meaningful learning.

Metrics to Monitor

The time students spend working in Imagine Math 3+, lesson completion, and proficiency contribute to student success in the program. Depending on your experience level with Imagine Math 3+, you can monitor available data at a basic, intermediate, or advanced level.

BASIC: DASHBOARD, USAGE REPORT, STUDENT ACTIVITY REPORT

The **dashboard** gives an at-a-glance overview of student progress and performance. The dashboard displays lessons attempted, average weekly math time, a graph showing benchmark proficiency, and leaderboards. We recommend educators view it daily.

- **Average Weekly Math Time:** average time students spend on the program per week, YTD
- **Lessons Attempted:** graph displaying how many lessons students have attempted (0, 1-14, 15-29, or 30+ lessons), YTD

The **Usage Overview Report** provides information about performance in and usage of Imagine Math 3+ and usage of the application. Teachers and school administrators can subscribe to receive weekly emailed reports. We recommend educators view the Usage Report weekly, using the data to analyze ongoing needs.

- **Active Students:** the number of students who submitted an answer for at least one math problem
- **Avg Lessons Passed:** the average number of lessons where students scored 80% or higher on the pre-quiz or 70% or higher on the post-quiz
- **Avg Lessons Attempted:** the average number of lessons that students attempted, whether passed, failed, or retaken, including lessons that students passed by scoring 80% or higher on the pre-quiz
- **Total Math Time:** amount of time students used Imagine Math, including school and home time

The **Student Activity Report** provides a status for student activity within Imagine Math. Teachers can identify which students are logged in or out, and on which lesson, activity, and item number the online students are working.

INTERMEDIATE: STUDENT PROGRESS REPORT AND BENCHMARK REPORT

The **Student Progress Report** provides a detailed view of how students are performing on their pathways as they use Imagine Math 3+. This report is designed to be printed so you can share a student's progress with their family. We recommend that educators view the Student Progress Report throughout the year, using the data to analyze ongoing needs. The data found on this report can be especially valuable when conferencing with students, their families, or when the Usage Report indicates student performance is outside of expectations.

- **Time on Lesson:** the total amount of time that the student has spent working on the lesson (if the lesson is still in progress) or the total amount of time that the student took to complete the lesson
- **Completed:** the date and time that the student completed the lesson

The **Benchmark Report** helps teachers and administrators focus on results in assessment and administration. It identifies changes in student performance between assessments using performance levels, Quantile® measures and growth, and the growth still needed to classify the student as proficient. We recommend educators view the Benchmark Report a minimum of three times a year, after the benchmark window closes. Additional viewings of the report can be used for pre-benchmark goal setting.

- **Performance Levels:** the students' Quantile® performance levels from each benchmark test. Each color represents a different performance level. The proficiency marker shows the point at which students are considered proficient in relation to their state's performance levels.
- **Instructional Grade Level:** grade-level content a student is ready to learn based on the results of the student's most recent benchmark test. Instructional grade level may differ from the student's nominal grade level.
- **Percentile Rank:** the percentile rank of a Quantile measure indicates the percentage of scores less than or equal to that score. Percentile ranks range from 1 to 99.

ADVANCED: MASTERY REPORT AND STUDENT DATA EXPORT

The **Mastery Report** provides a view of how students, classrooms, schools, and districts are performing against standards set by their state. We recommend that educators view the Mastery Report throughout the year, using the data to analyze ongoing needs.

- **Developing Mastery Level:** the number of students whose average post-quiz score is <40% on lessons completed related to the standard
- **Approaching Mastery Level:** the number of students whose average post-quiz score is ≥40% or <70% on lessons completed related to the standard
- **Proficient Mastery Level:** the number of students whose average post-quiz score is ≥70% on lessons completed related to the standard
- **Not Encountered:** the number of students who, on their assigned pathway(s), have not completed any lessons related to the standard

The **Student Data Export** contains data for all rostered students. In addition to the name, SIN, and teachers for each student, the export also contains data on lessons attempted and passed, pass rates, math time, and more. Additionally, scores, instructional grade levels, Quantile measures, percentile ranks, and NCE are available for all benchmark tests the student has completed.

Implementation Fidelity Recommendations

To use Imagine Math 3+ with fidelity, recommended usage is

- 60-90 minutes (or 2-3 lessons completed) per week
- 30 lessons passed before the end of the year

Students who pass 30 or more lessons show statistically significant Quantile growth.
(Nationwide Quantile Report)

Reporting Routine

BASIC: ARE YOUR STUDENTS MAKING PROGRESS AND MASTERING CONTENT?
To answer this question, teachers and administrators will find the **Usage Overview Report** helpful. The Usage Overview displays average usage time, average lessons attempted, and average lessons passed. For a more focused look into this data, teachers can click on the Activity, Performance, and Math Time tabs to gather in-depth information on each student.

WHAT TO DO IF THE DATA SHOWS…
…lessons Passed are significantly below Lessons Attempted? Review the **Mastery Report** to see with which standards students are struggling. To support these students, teachers can customize a pathway to include lessons that explicitly reinforce these standards. Educators may also choose to make use of the Printables section of the teacher resources, finding an activity sheet that corresponds with the concepts addressed by the standards in question.

…students are not making use of in-product supports? Some students may not understand the purpose or function of Math Helps and Live Help. Demonstrate how to use the Math Helps and explain how these features could support them throughout a lesson. In addition, discuss what the Live Teachers are and how students can access the Live Help during a lesson. Model how to use the chat box and the interactive white board. This will help students become more familiar with the features and feel more comfortable using them.

…students are not meeting the suggested usage recommendations? Educators can view the **Student Activity Report** to make sure students are logged in and working during the time set aside for Imagine Math, as well as use the data found on the **Usage Report** to see what times of day students are using the program. This information can then be used to identify if students need additional motivation and direction to work on Imagine Math and if additional opportunities to work can be incorporated into their week.

INTERMEDIATE: WHERE ARE SPECIFIC STUDENTS STRUGGLING?

To answer this question, teachers and administrators can view each student's **Student Progress Report**. Here they will find a student's benchmark performance as well as lesson activity, including quiz scores, time on lesson, lessons passed and failed, and lessons that have been inserted into the student's pathway via remediation.

WHAT TO DO IF THE DATA SHOWS…

…a student is not passing lessons in their pathway? The student may benefit from a customized pathway, built to review prerequisite skills and scaffold up to content covered on their initial pathway. Additionally, the teacher may provide one-on-one support, reviewing lessons with the student and using the in-product printable worksheets. This gives the teacher an opportunity to help the student build conceptual understanding of the skills presented in the lessons, supplementing the background knowledge they already have. Additionally, students also benefit from opportunities to learn from and with their peers. To take advantage of this, teachers may choose to implement small-group activities where students can practice skills that reinforce the content covered in the lessons.

ADVANCED: WHICH LESSONS SHOULD YOU TARGET FOR SMALL-GROUP RETEACHING?

To answer this question, teachers and administrators can take advantage of the **Mastery Report**. This report lists all standards assessed in any student lesson and the proficiency level of each student on the selected standard. Teachers can reference the Standard Alignments document (found in Teacher Resources) to identify the standards that align with each lesson.
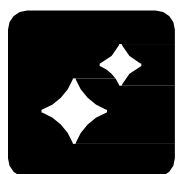
WHAT TO DO IF THE DATA SHOWS…

…90% of students who have encountered a certain standard are categorized as developing? Teachers can reference the Standards Alignments document to identify the lessons associated with the standard with which students are struggling. The teacher can reteach this skill by implementing a lesson with the whole class, providing opportunities for students to engage in discussion and explore activities that help them develop a conceptual understanding of the content before returning to Imagine Math. Another option would be to integrate the Imagine Math lessons that students are struggling with into the lesson. This provides teachers with the opportunity to reteach the skill using models and representations to build background knowledge. It also allows students to ask questions and clarify their understanding.

Other Resources

Find more resources and help on reports in the Help Center

https://help.imaginelearning.com/hc/en-us/sections/360012050653-Reports

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