



# Frequently Asked Questions

VERSION 1.0



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# General

## **What is Math Pro?**

Math Pro is a single, comprehensive ecosystem for all mathematics teaching and learning needs. It includes a core curriculum (PR1ME Math), instructional resources for effective teaching and independent learning, and assessment with real time, actionable insights for student understanding and progress. Math Pro is a platform that hosts core curriculum, assessment, and performance monitoring.

## **Which grades can Math Pro be used for?**

Math Pro can be used with or without PR1ME Mathematics Grades 1 to 6 and PR1ME Mathematics Kindergarten International Edition.

## **Which curriculum standards is Math Pro aligned to?**

Math Pro follows the learning progressions of the top performing nations and incorporates the requirements of the local curriculum. The curriculum standards vary with the edition of Prime. If the school has subscribed to the Philippines edition of Math Pro, the content is aligned to the PH DepEd's Math Curriculum Guide. In case your school has subscribed to the PRIME International New Edition, the curriculum is aligned to Cambridge curriculum.

## **Does Math Pro offer any interactive components?**

Yes, Math Pro has Interactive Whiteboard tools such as drawing and masking tools as well as virtual manipulatives to visually demonstrate math concepts on the screen.

## **Does Math Pro follow the same scope and sequence of PRIME Math books? Is the chapter structure the same?**

Yes, Math Pro follows the same scope and sequence and chapter structure of PRIME Math books.

## **Is PR1ME K a part of Math Pro?**

PR1ME K, which currently exists in the Teaching Hub and Student Hub, is part of Math Pro and appears in the Prepare and Teach sections. There is no digital practice or assessment component for PR1ME K so the Assess and Monitor segments of Math Pro will not be applicable for the kindergarten level.

### **Will teachers be able to see the Teaching Hub notes and attachments in Math Pro?**

In the event that teachers want their notes and attachments from Teaching Hub, they will have to download that and save it. Going forward, all notes, attachments, and student data will be stored in Math Pro.

### **What are the system requirements for accessing Math Pro?**

For the optimal experience, we support the current and previous two releases of the following browsers:

- Microsoft Edge
- Chrome
- Firefox
- Safari
- Opera

### **Can a school use Math Pro when it is using another math curriculum program/textbook?**

A school that is using another math curriculum program/textbook can certainly use Math Pro. To support lesson delivery in class, the school can use the concept videos and manipulatives in the Teach mode of Math Pro to aid the explanation of concepts. To monitor student's progress, the school can use the Digital Practice and Assessment component to determine students' level of understanding, take follow-up actions based on critical insights provided, and track students' learning through the reports.

### **If my school curriculum does not follow the sequence of curriculum in Math Pro, can teachers pick any Digital Practice and Assessment from any lesson/topic and assign these to students?**

Each digital practice assesses one learning objective. These bite-sized practices allow Math Pro user schools the flexibility of assigning relevant practices to students based on what is covered in school and not the preset sequence in Math Pro. The filter options also make it easy for teachers to search for and assign the relevant practices.

### **Will an administrator account (which can access reports of all classes) be provided to schools?**

Yes, an administrator account will be provided to schools adopting Math Pro.

### **Will an existing PRIME Digital customer be able to see student data on Math Pro?**

Math Pro will only have data from activities in the new school year. In the event that a school wants data from previous years from PR1ME Digital Practice and Assessment, they have to download that and save it. Going forward, Math Pro will store data across the years.

**Can Math Pro be integrated with school learning management systems?**

This integration is not available in the first release of Math Pro.

**How many videos are currently in Math Pro?**

There are about 900 videos across grades 1 to 6, with more than 100 videos per grade.

**Are users able to save the videos?**

There is no save video feature in Math Pro.

**Are users able to print blackline masters directly?**

Yes, teachers are able to print the blackline masters directly.

**How do students see their performance in class?**

Students can monitor their performance in the monthly challenge where they can see their position and medal they might receive. If their avatar stays in the bronze medal place, and their peers are in the silver/gold medal places, they will know that their peers are performing better than them.

**Are students notified after their teacher assigns an assignment?**

Teachers can notify students after assigning an assignment.

**What is an accolade?**

An accolade is a recognition that teachers can give to their students to acknowledge good behavior. They can assign from a list of available accolades or create their own and send to their students. The heart icon on the right side of the main nav bar is used to award accolades.

**Can teachers set up their own password?**

Teachers can use the forgot password option to reset the password.

**Is Math Pro accessible from all kinds of devices?**

Math Pro is accessible on desktops and tablets.

# Dashboard

## **How is Math Pro structured? How do I know when to do what?**

Math Pro has five sections – *Dashboard*, *Prepare*, *Teach*, *Assess*, and *Monitor*.

*Dashboard* provides real-time key metrics about recently assigned work, upcoming lessons, recommended reteaching, and students to focus on.

*Prepare* provides the tools and resources for teachers to prepare their lessons.

*Teach* provides the tools and resources for teachers to deliver their lessons.

*Assess* contains the practices and assessments that teachers can assign to their students.

*Monitor* provides comprehensive reports for teachers to monitor the performance of the class and individual students.

## **Can students work at their own pace, or is there a set schedule for Math Pro?**

Students can learn using the curriculum, videos, and virtual manipulatives anytime, anywhere.

Teachers can assign activities with/without a due date depending on whether they want to set a class schedule.

## **Can teachers print the "Leaderboard" and other reports from the Dashboard? Is there a "print" feature for this?**

The print feature is scheduled for the next release. As of now, teachers can take a screenshot of the various reports.

## **What does the Recommended Reteaching section indicate?**

This section provides insights of which learning objectives need to be retaught by sorting learning objectives based on the combination of number of students in the Needing Attention and Towards Mastery levels. The mastery level achieved by students depends on their Level of Understanding (LU), which is determined by the results obtained from ongoing formative practice activities. There are 5 LU bands LU0 to LU4.

## **How are the different mastery bands, "Demonstrating Mastery", "Towards Mastery", and "Needing Attention", which students determined?**

The mastery band is based on Assessment results of the students.

## What are the gamification elements in Math Pro?

Gamification in Math Pro aims to increase student engagement and motivate students to practice and learn more. The five main elements are:

1. *Star Power and Level*: Star Power is a unit of measurement to quantify learning progression, similar to XP in gaming. Students earn stars to level up their characters. Stars can be earned from completing learning activities or receiving accolades from the teacher.
2. *Avatar*: New set of avatars are unlocked when students level up.
3. *Mastery Progress*: Students receive crowns when they achieve mastery of a topic.
4. *Monthly Challenge and Medal*: Every student who has completed at least 1 activity will automatically participate in the Monthly Challenge. The student will be ranked based on the stars they have earned in the month. Medals will be awarded to students based on the rank they have reached at the end of the month.
5. *Achievement Wall*: Students receive achievement rewards when they satisfy one of the four achievement categories – On time, Positively active, High score, Level up.

All the gamification elements are reflected on the student dashboard.

# Prepare

## **How can teachers prepare lessons?**

The Prepare section in Math Pro provides the tools and resources for teachers to prepare their lessons. To prepare a lesson, teachers can read through the lesson notes to get suggestions on how to conduct the lesson and view the lesson video to see the lesson in action. As teachers prepare the lesson, they can add notes, attachments, and annotations in the eBook, mask sections of the pages, and explore the use of virtual manipulatives to make their lesson interactive. To ensure efficient use of class time, teachers should prepare the materials to be distributed to students before the lesson e.g. by printing out the blackline masters or deciding which practice or assessment to assign.

## **How does a teacher know what homework or practice to assign?**

Teachers can assign different activities at different times of the year.

Before embarking on a new chapter, teachers should assign Recall to check students' prior knowledge.

For every lesson in PR1ME Mathematics (all editions), there is at least one corresponding digital practice. Teachers can assign the practice while preparing the lesson by clicking on Assign Practice in the Prepare section or they can choose to do so after teaching the lesson by going to the Assess section.

After teaching a chapter, teachers should assign the chapter assessment to check how well students have understood the chapter.

After teaching several chapters, teachers can assign reviews as summative assessments.

Finally, teachers can assign reviews, mid-year, and end-of-year assessments to assess students' performance.

## **How can teachers access concept videos/lesson demos and Prime Professional Learning Now (PPLN) videos?**

Both concept and PPLN videos are available on SLZ. Concept videos can be accessed from Math Pro whereas PPLN videos can be accessed from the PPLN icon on SLZ. PPLN videos will be integrated in Math Pro in a later release.



### **How are the concept videos different from the PPLN videos?**

The concept videos are different from the PPLN videos. The concept videos are student-facing lesson demonstration videos, explaining the concepts taught in the lessons. Concept videos are available to teacher and student subscribers of Math Pro. PPLN videos are teacher-facing professional development videos meant to enhance teacher's pedagogical knowledge.

### **Can teachers attach files in Math Pro? What is the size limit?**

Attaching files is not available in the first release. In the next release, the following types of files can be attached: 'mpeg', 'gif', 'jpg', 'png', 'jpeg', 'txt', 'pdf', 'doc', 'docx', 'xls', 'xlsx', 'ppt', 'pptx', 'mp4', 'mp3', 'avi', and 'mov'. A maximum of three files can be attached to each question. The maximum size for video files is 15 MB and the maximum size for other types of files is 1 MB.

# Teach

## **How do students stay engaged and motivated on Math Pro?**

The student dashboard presents the student learning journey in a gamified form, such as stars, crowns, and unlocking of avatars, to engage students. The achievement wall and accolades also keep students motivated. Assessments are designed in a way to reduce anxiety and remove the fear from learning math.

## **Can students save the annotations in the Lesson tab?**

Yes, they can.

## **Where can teachers access digital manipulatives? Will students have access to it?**

Teachers can use the Prepare and Teach mode with manipulatives. If the school subscribes to manipulatives for students, then students will be able to use the manipulatives too.

## **What is the P2A2 framework in Math Pro?**

PR1ME Mathematics teaches concepts using the proven concrete-pictorial-abstract approach. In Math Pro, this approach is extended to the assessment of students' level of understanding in the form of the P2A2 framework which is applied in the digital practices. Each digital practice comprises a total of eight questions with two questions on each of the four types below:

- pictorial questions with scaffolding
- pictorial questions without scaffolding
- abstract questions with scaffolding
- abstract questions without scaffolding

Based on the types of questions that students answered correctly in the practice, they are assigned levels of understanding (LU) ranging from LU0 to LU4. Math Pro provides critical insights and recommendations for teachers based on these results.

## **Will the eBooks be interactive in Math Pro?**

The eBooks in Math Pro Prepare and Teach tabs have all the important IWB tools. In addition, virtual manipulatives allow teachers to create interactive and engaging lessons to support students' learning.

# Assess

## What is the type and format of assessments in Math Pro?

Teachers can assign four types of activities in Math Pro: *Recall*, *Practice*, *Assessment*, and *Review*.

*Recall* is an assessment of students' prior knowledge and is meant to be assigned before teachers start teaching a new chapter. This allows teachers to customize their lessons based on students' prior knowledge and ensure that new knowledge can be imparted successfully.

*Practice* helps teachers to check if students have understood what was taught in the lessons and there is at least one digital practice for every lesson.

*Assessment* is a summative assessment of the objectives taught in each chapter.

*Reviews* are summative assessments that can be assigned after several chapters are taught.

## How do I check the previous knowledge of my students?

Before teaching a new chapter, teachers should assign Recall to check for students' prior knowledge. If students lack the prerequisite knowledge, teachers can spend some time to help students recap to pave the way for a successful lesson.

## In what format are the student scores shown?

Math Pro shows both percentage and raw scores. Students can see the raw scores on the activity result page.

## How many questions does each practice have?

There are 8 questions in each digital practice. These questions are based on the P2A2 framework. The purpose of the digital practice is to determine students' level of understanding of the lessons and it is not meant for drill and practice to improve students' fluency in a particular skill.

## Can teachers assign the same practice or assessment to multiple classes at the same time?

Teachers can assign a practice to only one class at a time. Within the class, teachers can decide if they wish to assign the practice to the whole class or to selected students in the class.

## Will a teacher be able to set a fixed time duration to complete each practice? Is there a default time needed to complete the assignments?

Each practice has to be completed within an hour. Students will be able to see if they spend more time than specified on the activity. However, they can continue to complete it.

**Can a teacher reassign an activity?**

Yes, teachers can reassign an activity.

**Will the practices and assessments be aligned to the PRIME curriculum?**

Yes, the practices and assessments are aligned to the standards of the PRIME Math edition that the school has subscribed to.

**How can teachers close learning gaps based on the Levels of Understandings of students? What recommendations will be given? Will there be another assessment to be assigned to the students?**

The Critical Insights will guide teachers and give recommendations on the prior knowledge and skills that they can revisit before moving on to the current learning point. Teachers will see the past practices and learning objectives that they can revisit to strengthen skills.

**Will there be a new set of questions when the activity is reassigned?**

The same set of questions will be given when the activity is reassigned.

**Are the Let's Remember worksheets in PR1ME Math printed books and Recall in Math Pro Assess the same?**

Yes, these are the same set of questions. Each Recall in Math Pro is the exact digital counterpart of a corresponding Let's Remember worksheet in the printed manuals. However, all items in the Practices and Assessments are new, and are not available in the printed books.

**How are the practices and assessments scored?**

Practices - 1 point per question (total 8 points)

Chapter Assessment - 1 point to 4 points per question depending on the parts of the question and/or difficulty level (Between 5-15 questions)

Reviews - 1 point to 4 points per question depending on the parts of the question and/or difficulty level (Not more than 20 questions)

Mid-year and End-of-year - Part A has 10 questions x 1 point and Part B has 5 questions x 2 points and 5 questions x 4 points giving a total of 40 points.

**Are there digital Placement Tests to decide which books students should be working on?**

No, Math Pro doesn't have a placement test. However, some Reviews can be used as pre tests.

**How much time will it take to attempt one practice?**

There are generally 8 items in each practice. It is expected that teachers will assign it as homework. If the assignment is assigned in class, it might take roughly 15-20 minutes.

**Is there an option for a teacher to automatically assign the next task to students? Or do they have to manually assign them?**

Teachers manually assign each task to students based on the learning objective that they have taught in the class.

**Will there be practices for learning objectives that require students to construct or to draw?**

Practices that require students to construct or draw will not be assessed for accuracy or precision. These practices will solely evaluate students' conceptual understanding. Teachers are strongly encouraged to assign additional exercises from the course book to enhance students' drawing accuracy and precision.

**Can the reviews be used as pre-tests?**

Yes, they can be used if they are following the order of chapters in PR1ME (as reviews cover a few chapters). Teachers can choose to use end-of-year assessments from previous years as a pre-test for the next year. Teachers have to ensure that all the chapters assessed in the review have been taught before assigning the review.

**Can the mid-year tests or end-of-year tests be used as pre-tests?**

Yes, they can be used as pre-tests as long as the chapters assessed in the tests have been taught.

**What are the summative assessments in Math Pro?**

*Chapter Assessment* covers all objectives within the chapter.

The number of questions is largely dependent on the number of learning objectives. The maximum number of questions is 15.

For chapters with more than 15 learning objectives, Math Pro groups similar learning objectives under 1 question, with different parts.

There are four *Reviews* in each grade. The reviews are cumulative and assesses the chapters taught to date. For example, Review 1 assesses chapters 1-5, Review 2 assesses chapters 1-10, focusing on the newly taught chapters 6-10), Review 3 assesses chapters 1-15, focusing on the newly taught chapters 11-15) and Review 4 assesses chapters 1-20, focusing on the newly taught chapters 16-20. A review has a maximum of 20 questions assessing critical learning objectives. Important objectives that are not able to be assessed in the current review can be assessed in the next review.

*Mid-year Assessment A and B* assesses the chapters in PR1ME Math Philippine Edition Book A. The assessment is split into two parts, A and B. Part A has 10 multiple-choice questions and Part B has 5 short answer questions and 5 long answer questions.

*End-of-year Assessment A and B* assesses all the chapters in PR1ME Math Philippine Edition Books A and B. The structure is similar to mid-year assessments.

The assessment structure will follow the sequence of the edition of PRIME Math your school has subscribed to.



# Monitor

## **Is there a way to track students' progress and performance using Math Pro?**

Math Pro provides comprehensive reports for teachers to monitor the performance of the class and individual students. Class reports allow teachers to quickly get a sense of class performance. Student reports allow teachers to quickly understand the progress and performance of each student and tailored content is available for each activity.

## **Are all reports downloadable?**

Excel/CSV views cannot be exported as of now. Teachers can view and print the reports using screenshots.

## **Will students be able to view their performance in Math Pro?**

Students can quickly view their progress in terms of their average score, number of assignments completed, and number of topics mastered or yet to be mastered. They can also see how they performed on each assignment and drill down to the details.

## **What actionable insights do teachers receive after practices?**

Teachers receive a complete report of their students' performance. Based on the reports and critical insights, teachers can decide on the approaches to close learning gaps. Teachers can choose to revisit a prior knowledge or reassign a previous assignment to help the student to gain greater understanding of the concept before the teacher reteaches the current concept.

## **What kind of critical Insights will non-PR1ME (only Digital Practice and Assessment) users get?**

Critical insights will be similar for both PR1ME and non-PR1ME users. Critical insights will have a button to reassign practice activities.

## **How is mastery calculated?**

Mastery depends on the average score of the Assessment activities, where lower than 50% means Needing Attention, between 50% to 80% means Working Towards, and greater than 80% means Mastered.

**Can teachers send notes to their students?**

Yes, teachers can send notes to students.

**What reports are available in the Monitor mode?**

A teacher can see Class reports (overall level, Activity type level, Activity level); Student reports (overall level, Activity level); and the Leaderboard.

**Will teachers be able to export reports in CSV format?**

Teachers can print the page. The export in CSV format is not a functionality in the first release.

**Does the data remain on Math Pro as a school renews the yearly Student hub license? Or does it need to re-entered?**

When schools are on Math Pro, their data will continue to stay year on year as long as the students are from the previous year and not new ones. When schools migrate from PRIME Student Hub to Math Pro, they will have to save their class data. That data will not be visible on Math Pro.

**Will a school-wide report be available?**

In the first release of Math Pro, the reports are at a class level and student level. School-wide reports will be available in future releases.