

## Table of Contents

Before you start . . . . .	1
What is XtraMath? . . . . .	2
Using XtraMath at school? . . . . .	2
Sign up . . . . .	3
Set up your students . . . . .	5
Student experience . . . . .	6
Student progress reports . . . . .	9
Manage your student's account . . . . .	11
• About student programs . . . . .	11
• Adjust student settings . . . . .	13
Manage your account . . . . .	14
• License . . . . .	14
Additional resources . . . . .	15

### Before you start

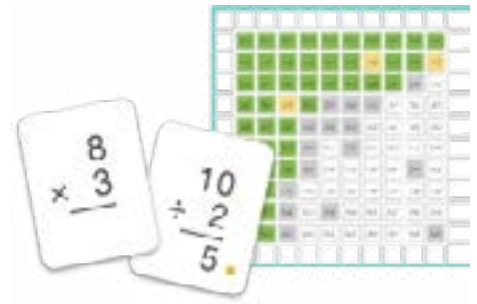


- + XtraMath is a great tool for developing math fact fluency, but it does not teach strategies. Make sure your student can answer problems without time pressure **before** they start to practice an operation in XtraMath.
- + Our offline printables, included in the Premium license, are a great resource to practice math strategies.
- + Once students know how to **solve** the problems (without time pressure), XtraMath can help them move from calculating every time to automatic recall.



## What is XtraMath?

XtraMath is a **math fact fluency** program. It was designed for elementary school students, but is also used by older students for review or to catch up. Students of all ages can benefit from XtraMath. XtraMath works best used regularly — like a math vitamin!



The XtraMath online program is available at [xtramath.org](https://xtramath.org). Students experience the same content whether their teachers or families are on a Basic or Premium license. However, the Premium license adds substantial value via offline instructional materials and other features. See [home. xtramath.org/pricing.html](https://xtramath.org/pricing.html) for full details.



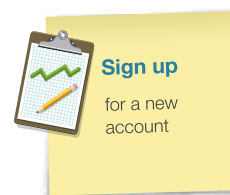
We also have a [mobile app](#) you can purchase for Apple, Android, and Amazon devices. The mobile app gives you access to many of the Premium features.

### Using XtraMath at school?

- + If you have a **family flyer** from your student's teacher at school, make sure to follow the directions on the flyer.
- + By using the enrollment code, you'll link your account to their account at school, allowing both you **and** their teacher to view their progress. Otherwise, your student could end up with two accounts, with their teacher unable to see their progress at home.

## Sign up

Go to [xtramath.org/#/home/signup](https://xtramath.org/#/home/signup) to get started. Or, click **Sign Up** on our website or app's home screen.



On the signup page, provide your email address, name, and a password. You can also choose to sign up through a service like Google.

### Remember me

This allows you to sign in next time by simply clicking your name. Don't use this option on shared devices or computers!

### Educator or Family?

Teacher accounts have classes that expire at the end of the school year. If you're using XtraMath at home, a "Family" account works best (even if you're homeschooling). You won't be missing out on anything - teacher and family accounts have access to the same report data!

### Age verification

Children cannot sign up for XtraMath on their own. A teacher or parent must do it for them.



**XtraMath**

Copyright © 2020-21 XtraMath

**Family / Homeschool Quick Start Guide**

v 2021.08b

3 of 15

Once you create your account and sign in, you'll be asked to complete setup by choosing a license type.

**Finish Account Setup**

We just need a few more details. Which **license type** do you want?

Basic	Premium
<ul style="list-style-type: none"><li>• Completely <b>FREE</b></li><li>• Online program only</li><li>• Limited customer service and support</li><li>• Can be upgraded later</li></ul>	<ul style="list-style-type: none"><li>• \$2 per student for 12 months</li><li>• Includes offline instructional materials and STEM activities</li><li>• Full customer customer service via email</li></ul>

[View more detailed license comparison](#)

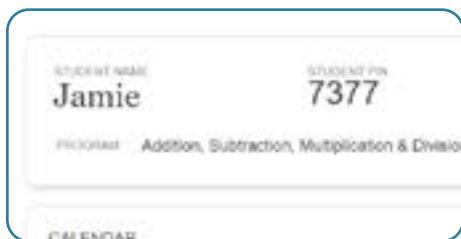
You'll also be asked which types of emails you want to receive from XtraMath:

- **Report emails** are sent once a week, on Monday morning. You will only receive this email if your student did XtraMath the previous week.
- **Alert emails** are sent about student activity, such as when a student earns a certificate.
- **Announcement emails** are sent a few times a year, with information about new features and usage tips. These emails are infrequent and will not clutter your inbox!

## Set up your students

Once you've signed into your new account, you'll need to **create accounts for your students**.

Select the second option on the "Add child" page. Enter the student's name and select their grade level. The grade level determines your student's default assignment, but you can always adjust it.



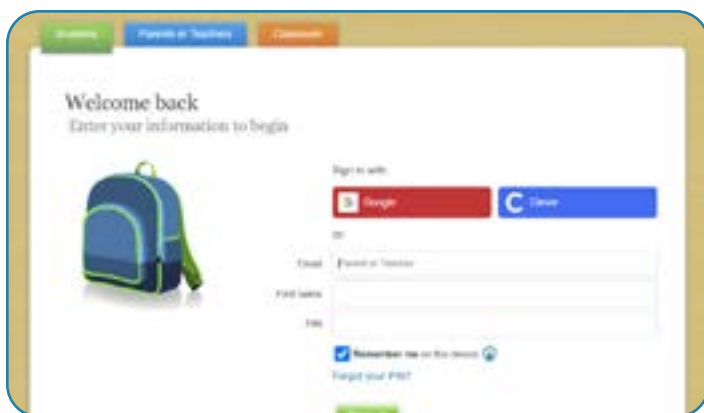
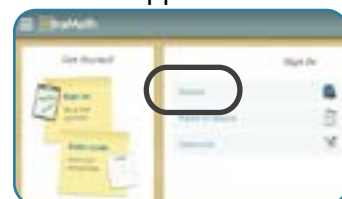
Now you'll see the student report. Write down your student's 4-digit PIN... you'll need this in a minute! To make changes to your student's program, see the [Adjust student settings](#) section. Otherwise, you're ready to get your student started!

If you're sharing a device, sign out of your account so your student can sign in. Next, click the **Students** tab on our website (or go directly to [xtramath.org/#/signin/student](https://xtramath.org/#/signin/student)), or tap **Student** on the app's home screen.

Website:



Mobile app:



Your student can sign in by entering **your email address** (the same one you used to create your account), **their name**, and their **4-digit PIN**.

If they check **Remember me** when signing in, next time they will just need to click their name - no more typing required!

## Student experience

### PLACEMENT & PROGRESS QUIZZES

XtraMath sessions are short — about 10 minutes or less — and are ideally intended to be done once a day. A typical session consists of a few quiz and practice activities, each lasting about two minutes.

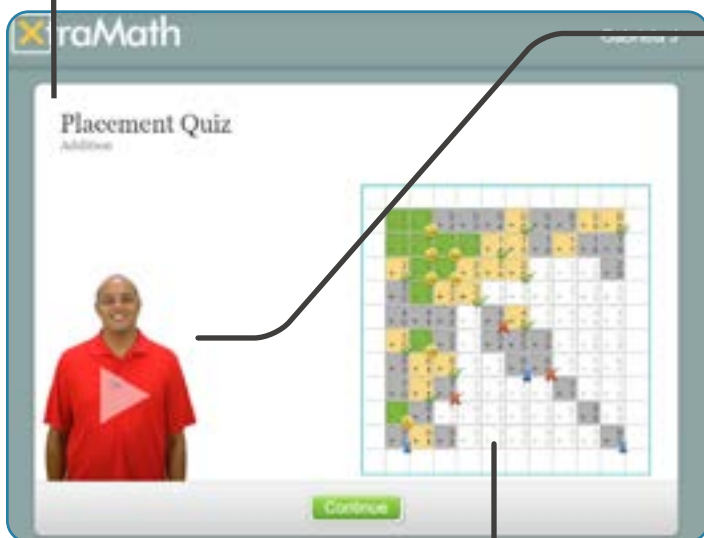
#### Placement Quiz

When a student first begins an operation, they start with a **Placement Quiz**. The placement quiz takes the form of several quizzes, broken up into short segments over the first few sessions. This goes quicker for some students than others... this is to be expected!

Placement ends once XtraMath determines the initial **fluency score**. This score is a reference point for teachers and parents so they can track how the student progresses. Learn more in the [Student progress reports](#) section.

#### Activity Videos

A teacher character explains the program to students via short videos. In a group setting you may want to provide headphones.

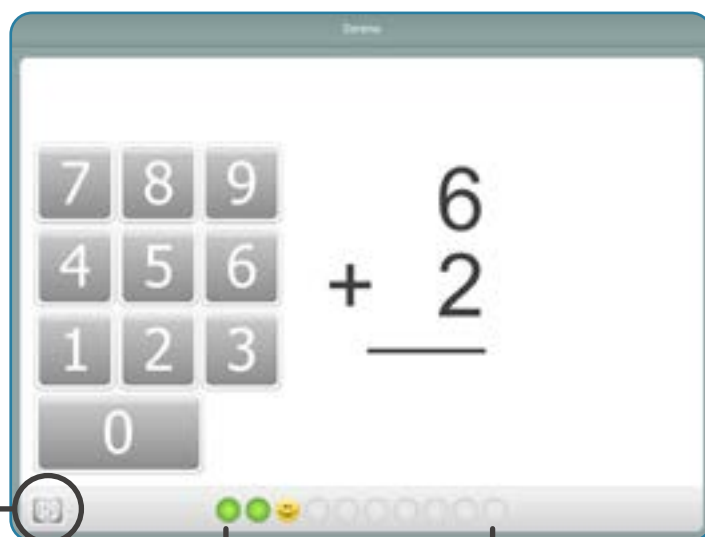


#### Fluency Matrix

Before each quiz, the student sees a table with all the operation's facts. The fluency matrix is updated after the quiz, so students can see the progress they're making.

#### Keypad control

The onscreen keypad can be shown on the left, right, or not at all. Whether or not the keypad is shown, students can also use the **physical keyboard** on their computer (or a peripheral keyboard attached to their tablet).



#### Timer

An animated timer indicates the progression for each question. A correct answer within the fluency threshold (6 seconds for the default programs) gets a smiley face response. If nothing is entered before timeout (by default, 20 seconds), the student is shown the correct answer and must enter it to continue. **You can also hide the timer.**





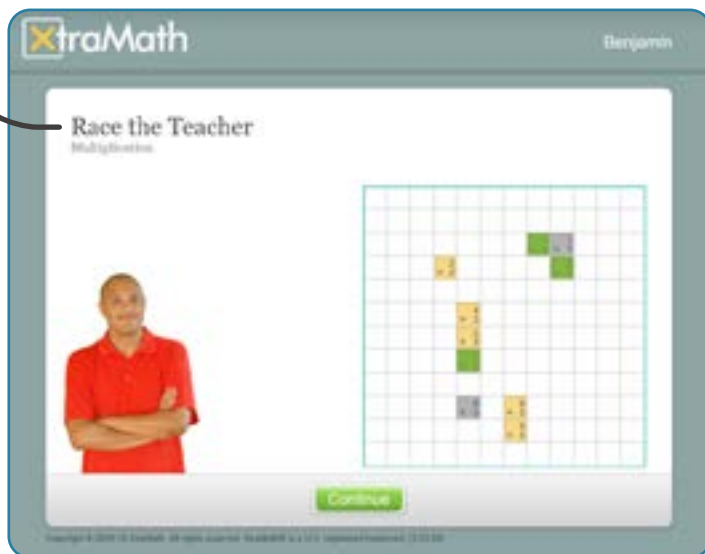
Once placement is done, each day a student signs into XtraMath they start off with a two-minute **Progress Quiz** to check what progress they've made. Students do not take more than one progress quiz a day. The fluency score and matrix reflect this progress.

## PRACTICES

### Practice

After the progress quiz, the student moves on to practice activities called **Race the Teacher**. The student is challenged to answer the problems more quickly than the teacher character, and to see how many correct answers they can get in a row.

Practices are where students develop their fact fluency. XtraMath chooses an individualized set of 10 facts for the student to work on. Spaced repetition is used to solidify knowledge of these particular facts.

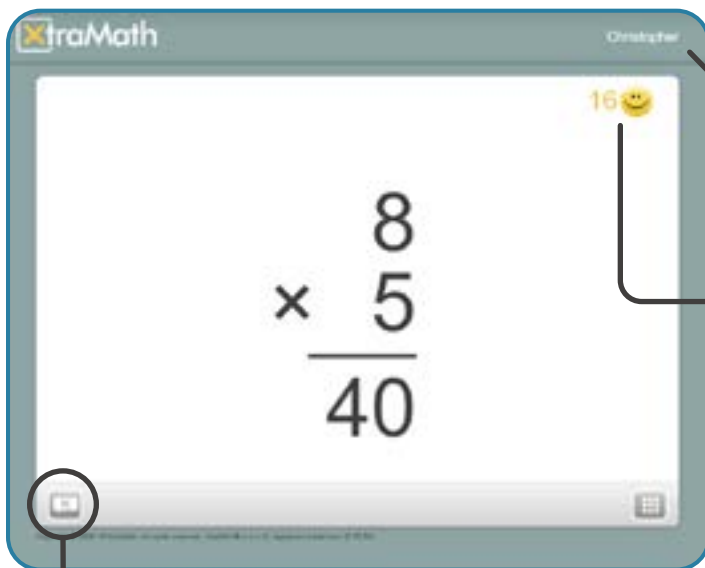


### Student info

Click the student's name and you see a popup with their XtraMath enrollment code and other basic information about their account.

### Answer streak

During a practice activity, a counter shows the student's current streak of correct answers.



### Hide / Show Teacher

If the teacher character is distracting, the student can hide them. (You can also adjust this on the **Student settings** page in your account.)

The practice does *not* affect the fluency score (as that would just test short-term memory). Instead, their next progress quiz will assess which facts have been retained.



**XtraMath**

Family / Homeschool Quick Start Guide

v 2021.08b

7 of 15

## AWARDS & CERTIFICATES

Students earn trophies for reaching certain milestones in XtraMath. Any new trophies earned are shown to the student at the end of an activity. Each trophy indicates something slightly different. Your online student report shows all the trophies a student has earned. Just click a trophy to see when they achieved it and what it means.



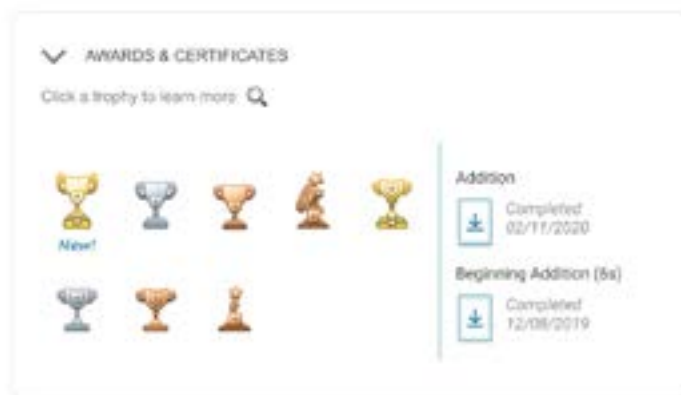
Trophy examples:



Addition (6 sec)  
Fluency score of 50



Division (3 sec)  
Fluency score of 100



When a student finishes an operation by achieving fluency in all its facts, they earn a certificate. Certificates are designed to be printed and posted on a bulletin board or fridge, to celebrate the student's accomplishment.

From your online student report, click **Certificates** to view and print any certificates your student has earned.

We also offer other printables, including trophy pages that students can color in. See [Additional resources](#) section for more info.



# Student progress reports

## STUDENT REPORT

The student report is visible as soon as you sign into your account. If you choose to, you can also receive a PDF version of this report once a week.

### Export data

Download a .csv to make your own custom progress charts. You'll have the option to also download other students' data at the same time.

### Student settings

Change their name, PIN or program options.

### Sign in as the student

Clicking this will start a normal XtraMath session for this student.

### List of linked accounts

All linked family members (as well as any teachers) are listed here. Click a name to send them an email.

### Awards & certificates

This panel lets you view trophy details and download printable certificates. It is expanded automatically whenever your student has a new trophy or certificate (earned within the last week).

### Previous operations

The report also shows any previous operations the student isn't currently working on. Expand the panel for more detail.

### Progress graph

This graph shows how the student's fluency score for this operation has changed over time. The color of each dot indicates the quality rating for that day's quiz.

### Usage calendar

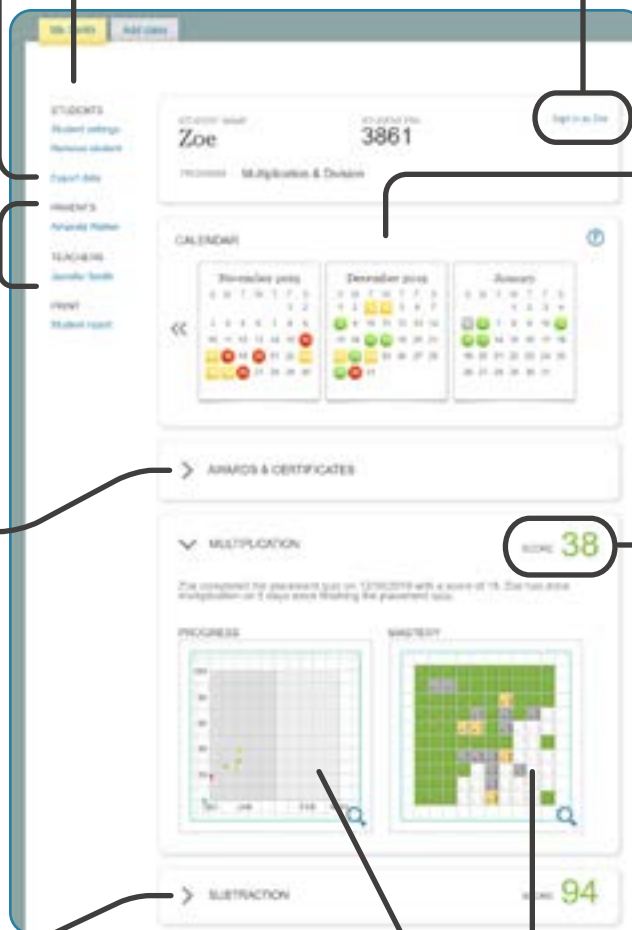
See which days the student signed into XtraMath. Clicking a date will access the **date report**, where you can see all activity the student did that day.

### Fluency score

See the next page for an explanation. If no score is shown, the student hasn't finished placement for this operation yet.

### Fact matrix

The color of each square indicates the student's current fluency in that fact. Click the matrix for a larger view.







## What is the Fluency Score?

The fluency score shows a student's progress towards completing their current operation. For example, a student with a fluency score of 75 in addition is about  $\frac{3}{4}$  of the way towards finishing addition. However, the score should **not** be viewed as a grade (90% = A, etc). Students often start out with a score below 30 and take several weeks of consistent work to finish their first operation.

The score is a weighted percentage based on recent quiz performance, so it will fluctuate up and down. See our FAQ entry for more detail: [home.xtramath.org/faq/entry/about-score.html](https://home.xtramath.org/faq/entry/about-score.html)

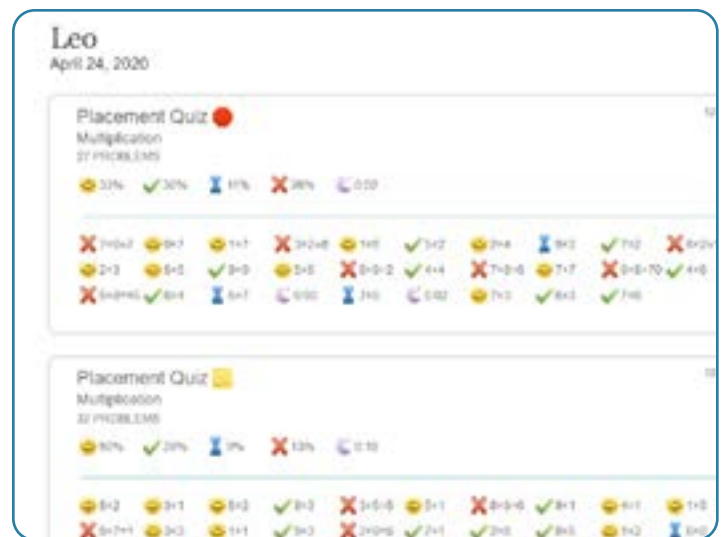
## Daily usage

-  At least 90% correct
-  Between 10% and 25% incorrect, or answered too few questions
-  Over 25% of questions incorrect, or answered very few questions
-  Signed in, but has not completed a session

## DATE REPORT

As students answer questions, their responses (and response times) are recorded. On the date report you can see every question the student answered on a given day.

This is more detail than consistently needed, but if a student is struggling in XtraMath the date report can help you figure out why.



## Answer icons



Answered correctly within the fluency threshold. This depends on program, but is 6 seconds by default.



Answered incorrectly



Answered correctly, but beyond the fluency threshold



No response given before time ran out and correct answer was shown



Idle time after the correct answer was shown

## Manage your student's account

### ABOUT STUDENT PROGRAMS

When you create a student, their grade level determines which program is assigned to them by default. These default programs are as follows:

Grade	Age range	Program	Fluency Threshold
K	5-6	Beginning Addition	6 sec.
1	6-7	Beginning Addition & Subtraction	6 sec.
2	7-8	Addition & Subtraction	6 sec.
3	8-9	Addition, Subtraction & Multiplication	6 sec.
4+	9-10 +	Addition, Subtraction, Multiplication & Division	6 sec.

When a program includes multiple operations, the student works on them **in sequence**. For example, a 3rd grader will first work on addition until they achieve fluency. Then they'll move on to subtraction, followed by multiplication. **All default programs start with addition**, as it is the most basic and foundational skill.



- **Operations** - Want students to start with a different operation? Choose an option like “Subtraction” or “Multiplication & Division.”
- **Problem Set** - Regular programs include facts up to 9’s, like  $9+9$  or  $81\div9$ . *Beginning* addition and subtraction have facts that sum to 10 and their inverses, like  $3+7$  or  $10-1$ . *Expanded* operations have facts up to 12’s, like  $24-12$  or  $12\times12$ .

0	+0	1	+2	0	+3	0	+4	0	+5	0	+6	0	+7	0	+8	0	+9
1	+0	1	+1	2	+3	1	+4	1	+5	1	+6	1	+7	1	+8	1	+9
2	+0	1	+2	2	+3	2	+4	2	+5	2	+6	2	+7	2	+8		
3	+0	1	+2	3	+3	3	+4	3	+5	3	+6	3	+7				
4	+0	1	+2	4	+4	4	+4	4	+5	4	+6						
5	+0	1	+2	5	+5	5	+5	5	+5								
6	+0	1	+2	6	+6	6	+6	6	+4								
7	+0	1	+2	7	+7	7	+3										
8	+0	1	+2	8													
9	+0	1															

**Beginning Addition**

# Beginning Addition

	0	0	0	0	0	0	0	0	0
	+ 0	+ 1	+ 2	+ 3	+ 4	+ 5	+ 6	+ 7	+ 8
	1	1	1	1	1	1	1	1	1
	+ 0	+ 1	+ 2	+ 3	+ 4	+ 5	+ 6	+ 7	+ 8
	2	2	2	2	2	2	2	2	2
	+ 0	+ 1	+ 2	+ 3	+ 4	+ 5	+ 6	+ 7	+ 8
	3	3	3	3	3	3	3	3	3
	+ 0	+ 1	+ 2	+ 3	+ 4	+ 5	+ 6	+ 7	+ 8
	4	4	4	4	4	4	4	4	4
	+ 0	+ 1	+ 2	+ 3	+ 4	+ 5	+ 6	+ 7	+ 8
	5	5	5	5	5	5	5	5	5
	+ 0	+ 1	+ 2	+ 3	+ 4	+ 5	+ 6	+ 7	+ 8
	6	6	6	6	6	6	6	6	6
	+ 0	+ 1	+ 2	+ 3	+ 4	+ 5	+ 6	+ 7	+ 8
	7	7	7	7	7	7	7	7	7
	+ 0	+ 1	+ 2	+ 3	+ 4	+ 5	+ 6	+ 7	+ 8
	8	8	8	8	8	8	8	8	8
	+ 0	+ 1	+ 2	+ 3	+ 4	+ 5	+ 6	+ 7	+ 8
	9	9	9	9	9	9	9	9	9
	+ 0	+ 1	+ 2	+ 3	+ 4	+ 5	+ 6	+ 7	+ 8

**Addition**

## Addition

	0	0	0	0	0	0	0	0	0	0	0	0	0
+	0	+1	+2	+3	+4	+5	+6	+7	+8	+9	+10	+11	+12
1	1	1	1	1	1	1	1	1	1	1	1	1	1
+	0	+1	+2	+3	+4	+5	+6	+7	+8	+9	+10	+11	+12
2	2	2	2	2	2	2	2	2	2	2	2	2	2
+	0	+1	+2	+3	+4	+5	+6	+7	+8	+9	+10	+11	+12
3	3	3	3	3	3	3	3	3	3	3	3	3	3
+	0	+1	+2	+3	+4	+5	+6	+7	+8	+9	+10	+11	+12
4	4	4	4	4	4	4	4	4	4	4	4	4	4
+	0	+1	+2	+3	+4	+5	+6	+7	+8	+9	+10	+11	+12
5	5	5	5	5	5	5	5	5	5	5	5	5	5
+	0	+1	+2	+3	+4	+5	+6	+7	+8	+9	+10	+11	+12
6	6	6	6	6	6	6	6	6	6	6	6	6	6
+	0	+1	+2	+3	+4	+5	+6	+7	+8	+9	+10	+11	+12
7	7	7	7	7	7	7	7	7	7	7	7	7	7
+	0	+1	+2	+3	+4	+5	+6	+7	+8	+9	+10	+11	+12
8	8	8	8	8	8	8	8	8	8	8	8	8	8
+	0	+1	+2	+3	+4	+5	+6	+7	+8	+9	+10	+11	+12
9	9	9	9	9	9	9	9	9	9	9	9	9	9
+	0	+1	+2	+3	+4	+5	+6	+7	+8	+9	+10	+11	+12
10	10	10	10	10	10	10	10	10	10	10	10	10	10
+	0	+1	+2	+3	+4	+5	+6	+7	+8	+9	+10	+11	+12
11	11	11	11	11	11	11	11	11	11	11	11	11	11
+	0	+1	+2	+3	+4	+5	+6	+7	+8	+9	+10	+11	+12
12	12	12	12	12	12	12	12	12	12	12	12	12	12
+	0	+1	+2	+3	+4	+5	+6	+7	+8	+9	+10	+11	+12

Expanded Addition

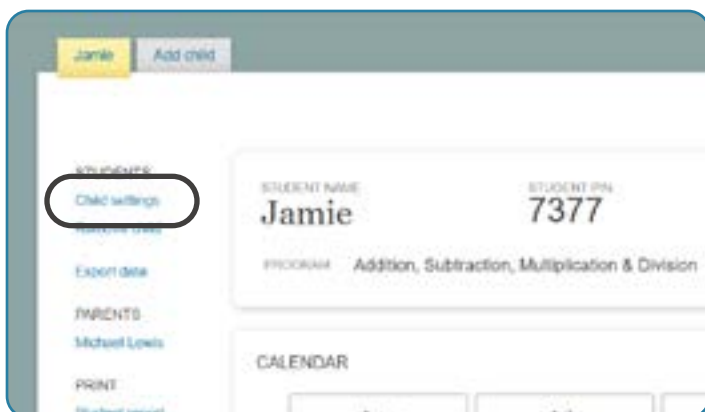
## Expanded Addition

- 
- The diagram illustrates a timeline for a student's response. It features a horizontal yellow bar with three black dots. The first dot is labeled 'Fluency threshold' above it. The third dot is labeled 'Timeout' above it, with the text '(answer shown to student)' to its right. Below the bar, a light blue arrow points to the right. Under the first dot, there is a smiley face icon and the text 'fluent response'. Under the second dot, there is a green checkmark icon and the text 'correct response'. Under the third dot, there is a blue hourglass icon and the text 'not answered in time'.

 **Family / Homeschool Quick Start Guide** v 2021.08b  
Copyright © 2020-21 XtraMath

## ADJUST STUDENT SETTINGS

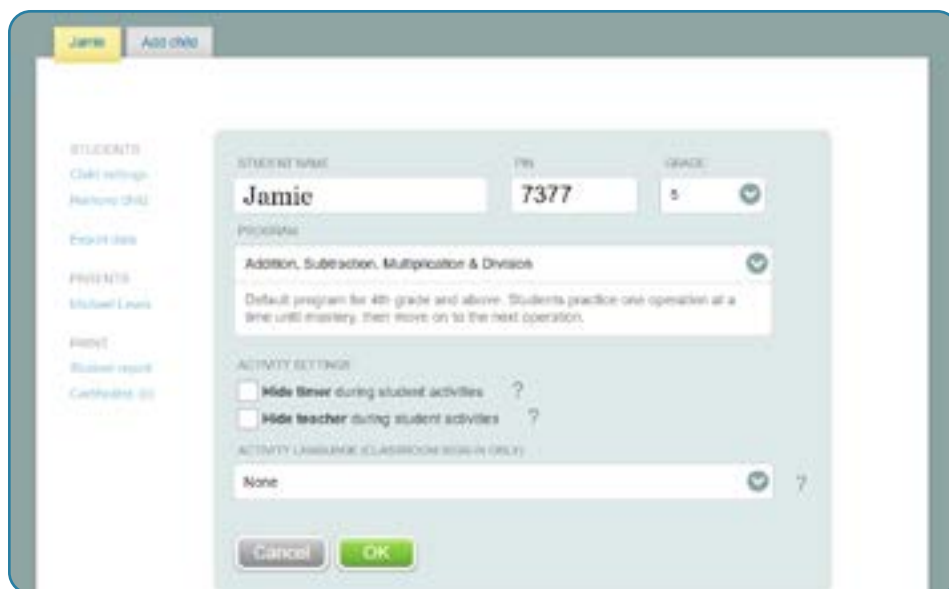
To change your student's name, PIN, or assigned program sign in on our website and go to their student report. Click **Child settings** on the left.



In the mobile app, find this in the **Edit** menu in the upper right.



The previous section discusses the available program options. If you don't see the exact program you want, choose **Custom program** from the drop-down menu, and more options will appear. Note that custom programs are only available in the Premium license.

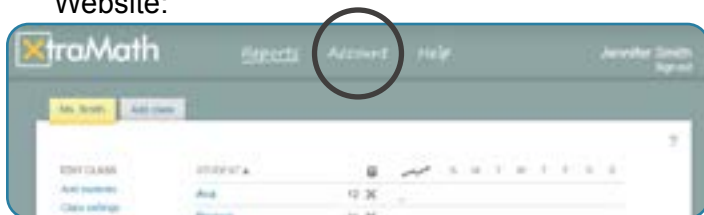


You can also choose to **hide the timer** during your student's XtraMath sessions or **hide the teacher character** during their practice activities. Note that activities are still timed when the timer is hidden, there is just no visible animated timer. Make sure to save changes before leaving!

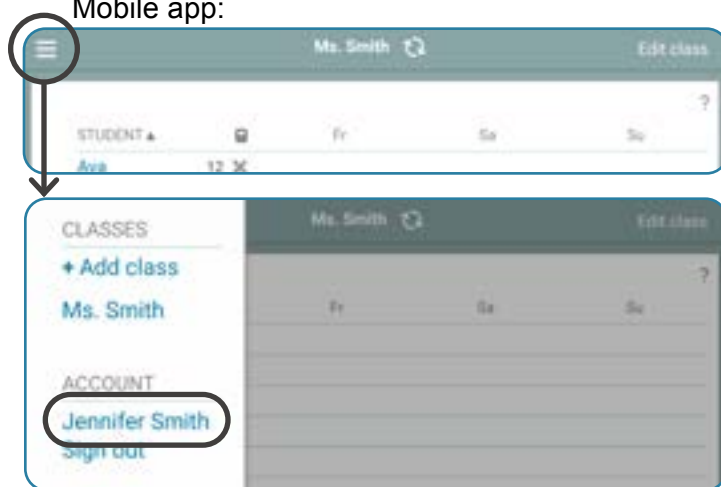
## Manage your account

To get to your account page, click **Account** at the top of the page. If you're using the mobile app, tap the menu icon in the upper left, then tap your name.

Website:



Mobile app:



Here you can change your password, update your name or email address, change email preferences, etc.

## LICENSE

Click the **License** tab to see information about your current license, or to upgrade to a Premium license. Any Premium content included in your license is also available here.



To learn more about what's included in a Premium license, or to see license pricing information, visit [home.xtramath.org/pricing.html](https://home.xtramath.org/pricing.html).



## Additional resources

### USER GUIDES / FAQ

The XtraMath [Support page](#) includes several user guides, for example:

- [Teacher Quick Start Guide](#) - similar to this family / homeschool guide in scope, but includes classroom-specific information like classroom management and the Clever integration.
- [Program Guide with Grade-level Standards](#)

It also has an extensive **FAQ** which covers most family questions and concerns.

### STUDENT PRINTABLES



A variety of printables are available for your use, depending on your license. These include blank certificates, progress charts for individuals or groups of students, fluency matrices, and trophy coloring sheets. From your online dashboard, click **Resources** at the top of the screen.

### INSTRUCTIONAL MATERIALS

XtraMath Premium licenses include a wide (and still expanding!) assortment of offline instructional materials. There are two main categories, **XtraMath Activities** and **XtraSTEM Activities**, organized by target grade levels. Learn more or download activities on the **Resources** page.