

# Mathtastic Games Apple Addition

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This game was created to encourage young individuals to embrace the complex world of mathematics. Players are able to toggle images and choose the game difficulty. Players who have an account are able to track their history of “tricky questions” to keep track of their progress.

## Getting Started

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In the projectDocs directory, you will find a setup.sql document that will create a “mathtastic” database and enter some information. You will receive the questions, images, and two test users. One user will have a history of “tricky questions”, while the other will not.

If you do not already have a user with a password created on MySQL, you will need to create one. The database.properties file will need to be updated with your username and password.

## Next Steps

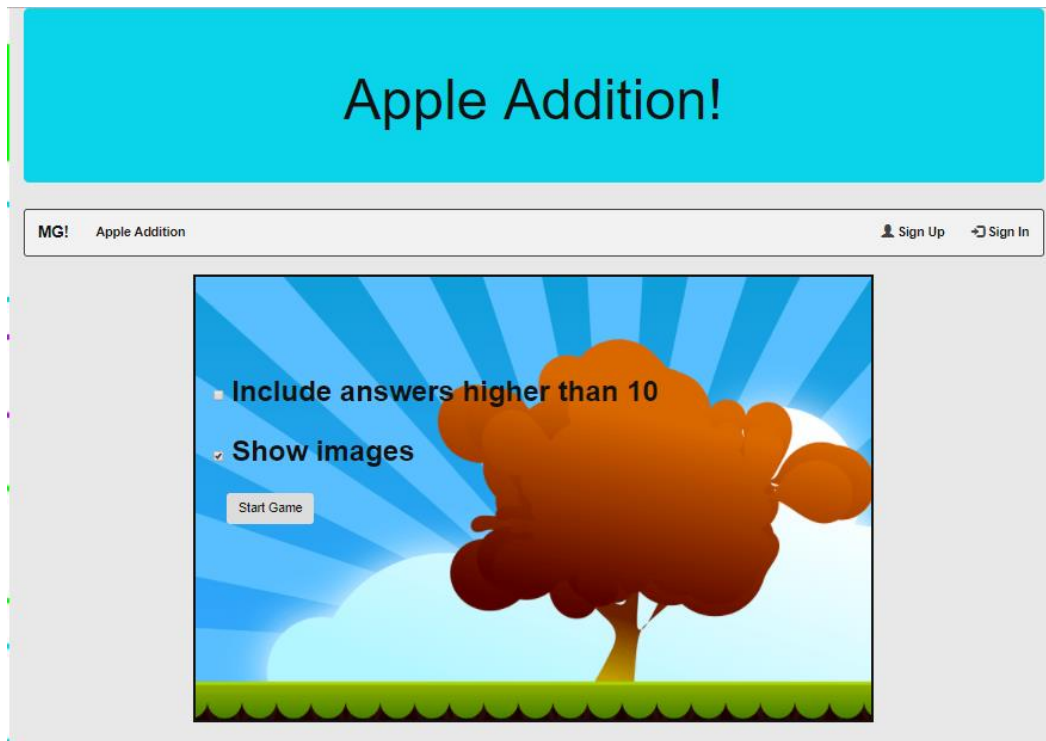
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When the application is launched, you should be greeted with this:

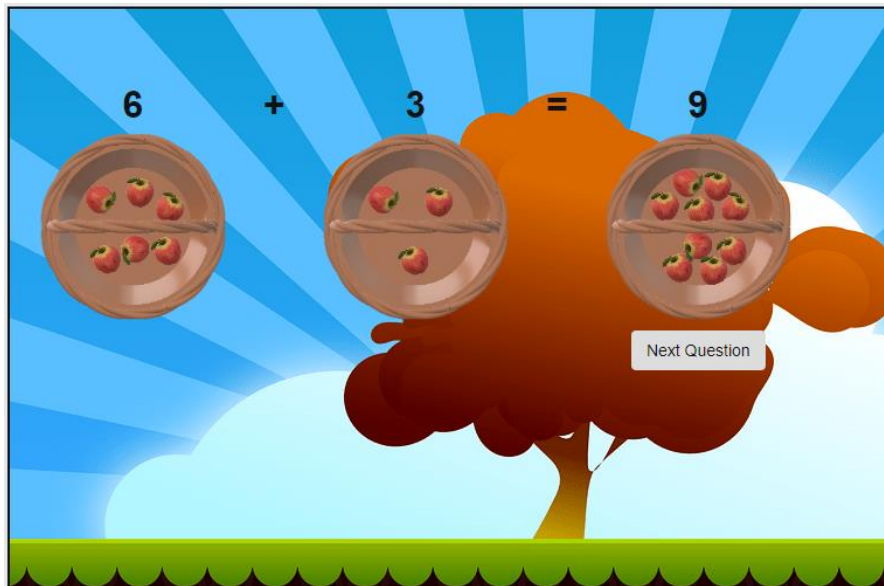


Players who do not wish to use an account can go directly to the Apple Addition game.

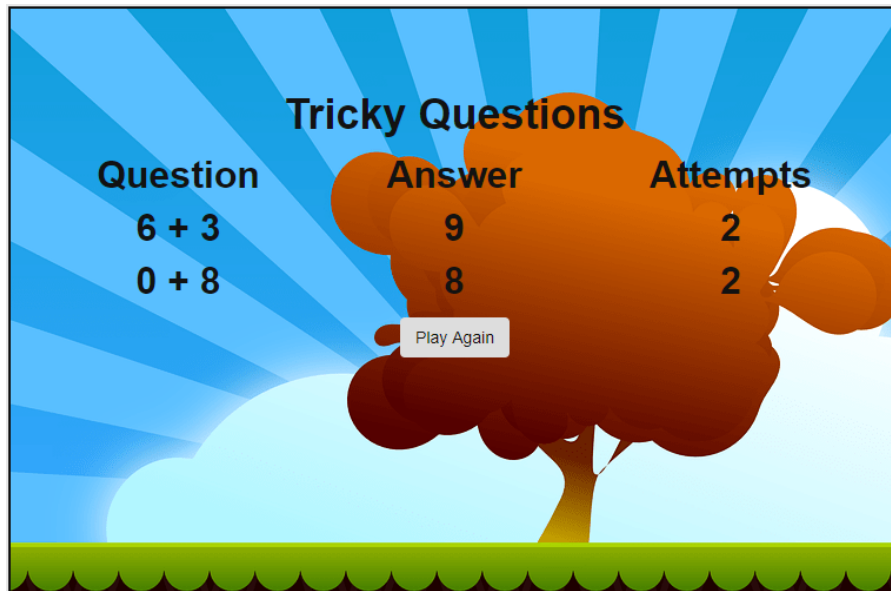
The starting page for the game should look like this:



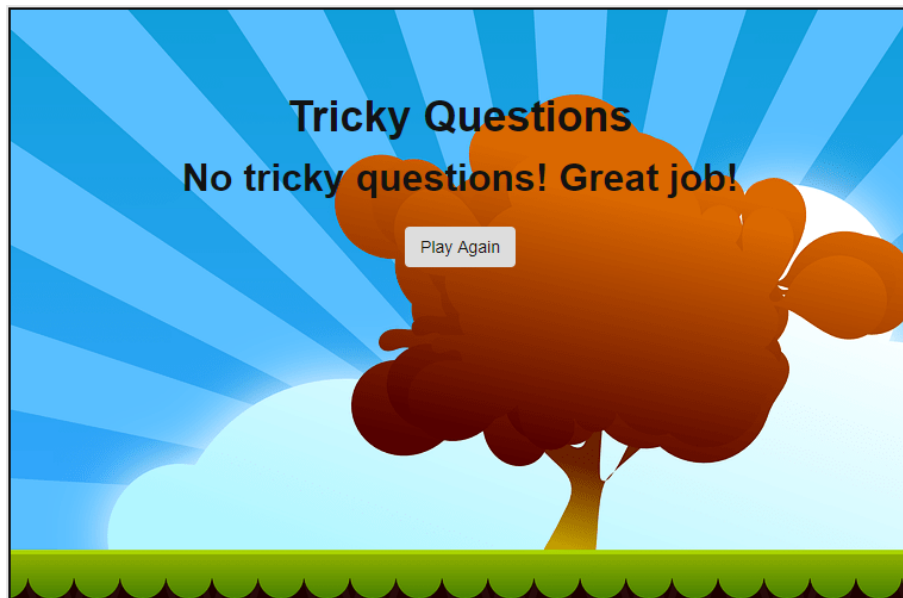
After each question, players are shown the correct answer:



At the end of the game, players who answered one or more questions wrong will see the questions they missed along with the number of times they attempted to answer correctly:



Players who got through the whole game without answering a single question wrong should see:

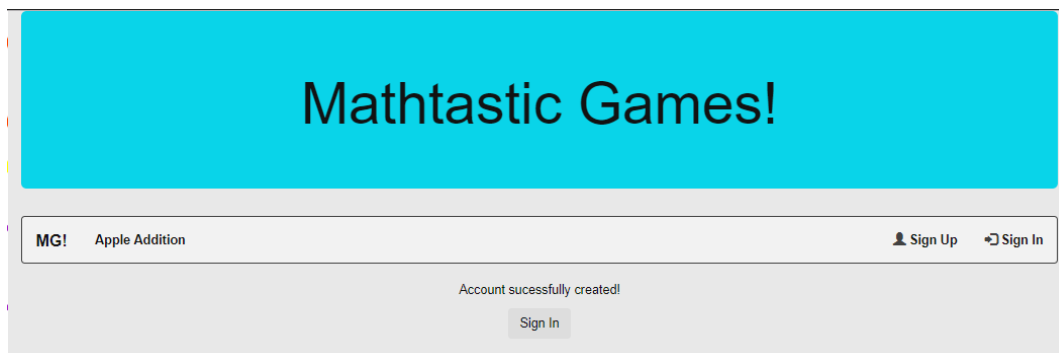


Players who wish to create an account should go to the Sign Up page:



The Sign Up page features a large cyan header with the text "Mathtastic Games! Sign Up". Below the header is a navigation bar with "MG! Apple Addition" on the left and "Sign Up" and "Sign In" links on the right. The main form area contains input fields for "First Name", "Last Name", "Email Address", "Password", and "Confirm Password". A "Date of Birth" section includes dropdown menus for "MM", "DD", and a "YYYY" text input. At the bottom of the form are "Sign Up!" and "Clear" buttons. A link "Already have an account? Please sign in." is located below the buttons.

When the user successfully creates an account, they should see:



This page shows the result of a successful sign-up. It has a cyan header with "Mathtastic Games!". The navigation bar is identical to the Sign Up page. The main content area displays a message "Account successfully created!" followed by a "Sign In" button.

Once an account is created, the user can use the Sign In page:



The Sign In page has a cyan header with "Mathtastic Games! Sign In". The navigation bar is the same as the previous pages. The form area contains input fields for "Email" and "Password", with a "Sign In" button below them. A link "New user? Please sign up." is positioned at the bottom of the page.

Once signed in, the user can go to their account page to update their information:

## Account Settings

MG! Apple Addition Holliann [Sign Out](#)

View Apple Addition Tricky Question History

Name	Holliann Niesen	Edit
Email	test@mathtastic.com	Edit
Birthday	Feb 16, 1993	Edit
Password		Edit
Current Password	<input type="password"/>	

[Save Changes](#)

From there the user can view their "tricky question" history:

## Apple Addition Tricky Questions

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### Tricky Question History

Question	Answer	Attempts	Date Asked
8 + 2	10	2	Aug 18, 2017
0 + 6	6	2	Aug 16, 2017
10 + 0	10	2	Aug 16, 2017
0 + 10	10	2	Aug 16, 2017
5 + 2	7	2	Aug 16, 2017
4 + 1	5	2	Aug 15, 2017
3 + 4	7	2	Aug 15, 2017
0 + 2	2	3	Aug 15, 2017
9 + 0	9	2	Aug 15, 2017

## Apple Addition Tricky Questions

MG! Apple Addition Paige [Sign Out](#)

### Tricky Question History

Nothing to show here! Great job!