

# Summer Math Khan Academy

## For Rising 8<sup>th</sup> Graders

Welcome to your summer math instructions! Summer math is optional, and if completed it will be used as extra credit when you return to school in the Fall.

There are 2 options for summer math extra credit: the math packet option and the Khan Academy option. **This is the Khan Academy option for rising 8<sup>th</sup> graders.**

This summer we are using Khan Academy for summer math practice. Your task will be to correctly answer questions from the selected mission in Khan Academy. This extra practice will ensure you stay current with the material taught in the 2020-21 school year. Math is like a sport. During the season you practice between games so that your skills are perfect for the games. In math your tests are like games and your homework is like practice. Between tests it is important to practice the concepts by doing the homework so that your skills are perfected for the test.

In the off-season, athletes still practice in order to keep their skills up. When the new season starts, they don't have to re-learn the skills because they have continued to practice them. Your summer break is like the off-season. Between school years you must practice your skills so you don't forget them while you are out of school. When the new school year begins, you won't have to re-learn all of the skills from the previous year because you never had time to forget. You practiced your skills and kept them on the same level.

The moral of this analogy is to not wait until the week before school starts to work on your summer math. By that time you will have allowed yourself to forget all of the important skills that you learned during the previous school year. Then you will have to rush to re-learn the material.

Create a schedule that has deadlines for when you will work on math. That way throughout the whole summer you can do a little bit at a time, instead of waiting until the end and doing it all at once. If you are having difficulties with any particular section, please contact me via e-mail and I will try to help as much as I can.

Good Luck and Have a Great Summer,

Josh Hersko  
Math Instructor

Logging In

(YOU MUST LOG IN TO HAVE YOUR WORK TRACKED! IF YOU DO NOT LOG IN, THERE WILL BE NO RECORD OF YOUR WORK!)

1. First go to "[KhanAcademy.org](https://www.khanacademy.org)"
2. Follow steps below\*

\*If you are a newly accepted 8<sup>th</sup> grade student, touch base with Brittany Emge [bemge@millsprings.org](mailto:bemge@millsprings.org) to get your Mill Springs email address.

Once you have your MSA email address, follow the directions below to get the Khan Summer Packet process started.

### STEP 1: GO TO KHAN ACADEMY

**START HERE**

The screenshot shows the Khan Academy homepage in a web browser. The browser's address bar displays "https://www.khanacademy.org". The website header includes a "Courses" dropdown, a search bar, the Khan Academy logo, and links for "Donate", "Login", and "Sign up". The main content area features a large image of a smiling woman with three children (two boys and one girl) who are using laptops and tablets. To the right of the image, the text reads "For every student, every classroom. Real results.". Below this, a paragraph states: "We're a nonprofit with the mission to provide a free, world-class education for anyone, anywhere." At the bottom of the page, there are four purple buttons labeled "Learners", "Teachers", "Districts", and "Parents". A red arrow points from the "START HERE" text to the "Login" link in the header.

Khan Academy | Free Online Courses

https://www.khanacademy.org

Courses Search

Khan Academy

Donate Login Sign up

For every student, every classroom. Real results.

We're a nonprofit with the mission to provide a free, world-class education for anyone, anywhere.

Learners Teachers Districts Parents

Page 1 of 1 0 words

Type here to search

Khan Academy | Fre...

Inbox - JHersko@m...

2018 PreUpper Risi...

Khan Summer Math...

11:54 AM 5/9/2019

## STEP 2: CREATE USERNAME

**ANSWER QUESTIONS**

The screenshot shows the Khan Academy sign-up page in a web browser. The browser's address bar displays 'khanacademy.org/signup'. On the left, a dark blue banner contains the text: 'A world class education for anyone, anywhere. 100% free.' Below this, it says 'Join Khan Academy to get personalized help with what you're studying or to learn' and 'By signing up for Khan Academy, you agree to our [Terms of use](#) and [Privacy Policy](#).' On the right, the sign-up form is titled 'Join Khan Academy as a' and has three buttons: 'Learner' (highlighted in blue), 'Teacher', and 'Parent'. Below this is the question 'What is your date of birth?' with three dropdown menus showing 'Jan', '1', and '2001'. Further down are three large blue buttons: 'Continue with Google' (with the Google logo), 'Continue with Facebook' (with the Facebook logo), and 'Sign up with Email' (with an email icon). At the bottom of the form are two links: 'Enter class code' and 'Already have an account?'. Two orange arrows point from the text 'ANSWER QUESTIONS' to the 'Parent' button and the '2001' dropdown menu. The Windows taskbar at the bottom shows several open applications: 'Summer Math', 'Sign Up | Khan Aca...', 'Sent Items - JHersk...', and '2019 PreUpper Risi...'. The system clock in the bottom right corner shows '9:46 PM 4/30/2020'.

Sign Up | Khan Academy

khanacademy.org/signup

A world class education for anyone, anywhere. 100% free.

Join Khan Academy to get personalized help with what you're studying or to learn

By signing up for Khan Academy, you agree to our [Terms of use](#) and [Privacy Policy](#).

Join Khan Academy as a

Learner Teacher Parent

What is your date of birth?

Jan 1 2001

Continue with Google

Continue with Facebook

Sign up with Email

Enter class code

Already have an account?

Summer Math

Sign Up | Khan Aca...

Sent Items - JHersk...

2019 PreUpper Risi...

9:46 PM 4/30/2020

## STEP 2 (Continued)

Sign Up | Khan Academy

https://www.khanacademy.org/signup

academy Donate Login Sign up

**Use MSA Email:**  
**First initial Last name@millsprings.org**

**A world class education for anyone, anywhere. 100% free.**

Join Khan Academy to get personalized help with what you're studying or to learn something completely new. We'll save all of your progress.

**Use Password: Mustangs**

to our [Terms of Use](#) and [Privacy Policy](#).

Back

Sign up

Your email  
example@email.com

First name Last name

Create a password  
Passwords should be at least 8 characters long and should contain a mixture of letters, numbers, and other characters.

A screenshot of the Khan Academy sign-up page. The page has a blue header with the Khan Academy logo and links for 'Donate', 'Login', and 'Sign up'. The main content area is white with a blue sidebar on the left. The sidebar contains a dark blue box with white text that reads 'A world class education for anyone, anywhere. 100% free.' and a smaller text block below it. The main content area has a form with fields for 'Your email', 'First name', 'Last name', and 'Create a password'. There are two red annotations: one pointing to the email field with the text 'Use MSA Email: First initial Last name@millsprings.org' and another pointing to the password field with the text 'Use Password: Mustangs'. The bottom of the screenshot shows a Windows taskbar with various application icons and a system clock indicating 2:20 PM on 5/9/2019.

### STEP 3: SIGN UP FOR 5<sup>TH</sup> GRADE

Dashboard | Khan Academy x Inbox (3) - jhersko@millsprings.o x Google Account x Google Account

khanacademy.org/profile/kaid\_677998541866929121598877/courses

COVID-19 school closure resources: Daily schedules for students ages 2-18 & remote learning resources

**SELECT 5<sup>TH</sup> GRADE**

Personalize Khan Academy

What grade are you in?  
We'll gather the right lessons for you

K-8	High school	College / adult learner
<input type="radio"/> Kindergarten	<input type="radio"/> 9th grade	<input type="radio"/> Community college
<input type="radio"/> 1st grade	<input type="radio"/> 10th grade	<input type="radio"/> 1st year university
<input type="radio"/> 2nd grade	<input type="radio"/> 11th grade	<input type="radio"/> 2nd year university
<input type="radio"/> 3rd grade	<input type="radio"/> 12th grade	<input type="radio"/> 3rd year university
<input type="radio"/> 4th grade		<input type="radio"/> 4th year university
<input type="radio"/> 5th grade		<input type="radio"/> Grad school
<input type="radio"/> 6th grade		<input type="radio"/> Adult learner
<input type="radio"/> 7th grade		<input type="radio"/> Other
<input type="radio"/> 8th grade		

Step 1 of 2 ● ○ Choose a grade to continue

Dashboard | Khan Academy x Inbox (3) - jhersko@millsprings.o x Google Account x Google Account

khanacademy.org/profile/kaid\_677998541866929121598877/courses

COVID-19 school closure resources: Daily schedules for students ages 2-18 & remote learning resources

**SELECT 5<sup>TH</sup> GRADE**

Personalize Khan Academy

What courses can we help you learn?  
Choose 4-5 and we'll gather the right lessons for you.

<b>Math</b>	See all (32)
<input type="radio"/> 5th grade	<input type="radio"/> Arithmetic
<b>Arts and humanities</b>	See all (11)
<input type="radio"/> Grammar	
<b>Computing</b>	See all (4)
<input type="radio"/> Computer programming	
<b>ELA beta</b>	See all (8)
<input type="radio"/> BETA: 5th grade reading	

Back Step 2 of 2 ● ● Choose 1 course to continue

## STEP 4: ADD ME AS TEACHER

Dashboard | Khan Academy

khanacademy.org/profile/kaid\_329885395449255725458673/courses

COVID-19 school closure resources: [Daily schedules for students ages 2-18](#) & [remote learning resources](#). Want to help us help others? We are a nonprofit. Please consider making a donation to help us respond.

Courses Search

Khan Academy Donate Matt Ryan

**Matt Ryan**  
Pick a username - Add your bio

**ADD ME AS TEACHER**

Edit Profile

MY STUFF

Courses

MY ACCOUNT

Progress

Profile

Teachers

My courses

4th grade See all (14)

Place value Start

Addition, subtraction, and estimation

Multiply by 1-digit numbers

Multiply by 2-digit numbers

Division

Add another course

Summer Math

Dashboard | Khan A...

Sent Items - JHersk...

2019 PreUpper Risi...

10:07 PM  
4/30/2020

## Step 4 (Continued)

Dashboard | Khan Academy x Inbox (3) - jhersko@millsprings.o x Google Account x Google Account x +

khanacademy.org/profile/kaid\_677998541866929121598877/teachers

COVID-19 school closure resources: [Daily schedules for students ages 2-18](#) & [remote learning resources](#). Want to help us help others? We are a nonprofit. Please consider making a [donation](#) to help us respond.

Courses ▾ Search

Khan Academy Donate Todd Gurley

Todd Gurley  
Pick a username - Add your bio

MY STUFF

Courses

MY ACCOUNT

Progress

Profile

Teachers

### My teachers and tutors

Teachers have access to all of your Khan Academy data. Your student id is kaid\_677998541866929121598877

**Join a class**

Enter a class code or your teacher's email address:

Code (EK3ST7QU) or email (teacher@e)

**Add a teacher**

Enter your teachers's email address:

You have successfully added your teacher!

**Your teachers**

jhersko

Summer Math Dashboard | Khan A... Sent Items - JHersk... 2020 PreUpper Risi... 10:45 PM 4/30/2020

**ADD ME AS TEACHER: JHERSKO@MILLSPRINGS.ORG**

## STEP 5: Click Courses

The screenshot shows the Khan Academy website interface. At the top, there's a navigation bar with the Khan Academy logo, a search bar, and links for 'Donate' and 'Matt Ryan'. Below this is a header section for the user 'Matt Ryan' with a profile picture placeholder and an 'Edit Profile' button. The main content area is divided into two columns. The left column contains a sidebar with links: 'MY STUFF', 'Courses', 'MY ACCOUNT', 'Progress', 'Profile', and 'Teachers'. The 'Courses' link is highlighted with an orange arrow. The right column is titled 'My teachers and tutors' and contains sections for 'Join a class' and 'Add a teacher'. The 'Join a class' section has a text input field for a class code or teacher's email address, a 'Join the class' button, and a 'Your teachers' list showing 'jhersko' with a 'Remove' button. The 'Add a teacher' section has a text input field for a teacher's email address and an 'Add a teacher' button. The bottom of the screen shows a Windows taskbar with several open applications: 'Summer Math', 'Dashboard | Khan A...', 'Sent Items - JHersk...', and '2019 PreUpper Risi...'. The system clock in the bottom right corner indicates 10:16 PM on 4/30/2020.

Dashboard | Khan Academy

khanacademy.org/profile/kaid\_329885395449255725458673/teachers

COVID-19 school closure resources: Daily schedules for students ages 2-18 & remote learning resources. Want to help us help others? We are a nonprofit. Please consider making a donation to help us respond.

Courses Search

Khan Academy Donate Matt Ryan

Matt Ryan  
Pick a username - Add your bio

Edit Profile

MY STUFF

Courses

MY ACCOUNT

Progress

Profile

Teachers

My teachers and tutors

Teachers have access to all of your Khan Academy data. Your student id is kaid\_329885395449255725458673

Join a class

Enter a class code or your teacher's email address:

Code (EK3ST7QU) or email (teacher@e) Join the class

Your teachers

jhersko Remove

Add a teacher

Enter your teachers's email address:

Email (yourteacher@example.com) Add a teacher

Summer Math Dashboard | Khan A... Sent Items - JHersk... 2019 PreUpper Risi...

10:16 PM 4/30/2020



## STEP 6: Click 'Start'

The screenshot shows the Khan Academy user profile for Matt Ryan. The page is titled "My courses" and displays a list of 4th-grade math topics. An orange arrow points to the "Start" button next to the first topic, "Place value".

**Header:** Dashboard | Khan Academy, Courses, Search, Khan Academy logo, Donate, Matt Ryan, Edit Profile

**Profile:** Matt Ryan, Pick a username - Add your bio, 0 0 0 0 0 0 0 0 0 0

**MY STUFF:** Courses, MY ACCOUNT, Progress, Profile, Teachers

**My courses:** Edit Courses

**4th grade:** See all (14)

- Place value **Start**
- Addition, subtraction, and estimation
- Multiply by 1-digit numbers
- Multiply by 2-digit numbers
- Division

**Footer:** Summer Math, Dashboard | Khan A..., Sent Items - JHersk..., 2019 PreUpper Risi..., 10:19 PM 4/30/2020

## Track Your Overall Progress

Decimal place value | 5th grade | x | Inbox (3) - jhersko@millsprings.org | x | Google Account | x | Google Account

khanacademy.org/math/cc-fifth-grade-math/imp-place-value-and-decimals

Courses Search Khan Academy Donate Todd Gurley

5th grade  
**Decimal place value**

1,500  
Possible mastery points

Level 1 375 points to Level 2

**Skill Summary**

Decimal place value intro

Decimals on the number line

Quiz 1: 5 questions  
Practice what you've learned, and level up on the above skills

Unit test  
Test your knowledge of all skills in this unit

**Decimal place value intro**

Learn

Place value with decimals

Decimal place value review

**Complete Exercises to Earn Points**

Up next for you:  
**Place value names**  
Get 5 of 7 questions to level up!  
Start

**Value of a digit**  
Get 5 of 7 questions to level up!  
Practice

Decimals on the number line

As a rising 8<sup>th</sup> grader, your summer assignment will be to work your way up to Level 6 by completing exercises, **but don't worry Khan Academy's 5<sup>th</sup> grade mission is loaded with the type of concepts you will be using in your 8<sup>th</sup> grade math class!**

- As you work through the mission, you will notice your points earned continues to climb as you **practice** more concepts.
- Feel free to move on to 6<sup>th</sup> grade and beyond for extra credit!!!

If you get stuck or need help, use the **Watch a video or use a hint** feature to get immediate help.

If you have any questions over the summer reach out to Josh Hersko, [jhersko@millsprings.org](mailto:jhersko@millsprings.org).